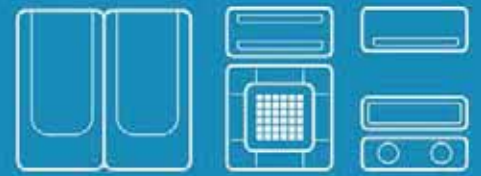


VRF

Technical Data Book

All DVM S Indoor Units for Middle East



Version	Modification	Date	Remark
Ver.1.1	Modify the capacity table for 12.8kW MSP duct	16.05.13	
Ver.2.0	Release DVM S Total IDU TDB Add 360 CST, Slim/MSP duct(Drain pump integrated), Console, Floor standing, A3050, Boracay, PAC, OAP duct, ERV plus models.	16.11.10	
Ver.2.1	Add the Duct S and Big Ceiling Line up	16.11.25	
Ver.2.2	Modify the Power Input unit of AM160KNMDEH/TK spec page (p.142, kW → W)	17.01.10	

I. Products

- 1 Nomenclature
 - 2 Accessory
-

II. Indoor units

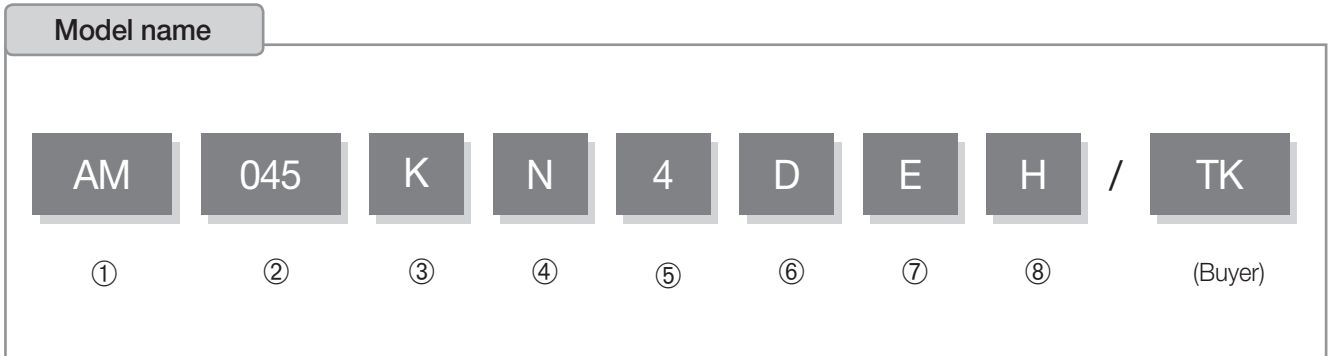
- 1 1 way cassette
 - 2 2 way cassette
 - 3 4 way cassette (600 x 600)
 - 4 4 way cassette
 - 5 360 cassette
 - 6 Slim duct
 - 7 Slim duct (Drain pump integrated)
 - 8 Slim duct Home (Drain pump integrated)
 - 9 MSP duct
 - 10 MSP duct (Drain pump integrated)
 - 11 HSP duct
 - 12 Duct S
 - 13 Ceiling
 - 14 Big Ceiling
 - 15 Console
 - 16 Floor standing
 - 17 Neo Forte & Neo Forte E
 - 18 A3050 (AR5000)
 - 19 Boracay
 - 20 PAC
 - 21 OAP duct
 - 22 ERV plus
-

I. Products

1 Nomenclature

2 Accessory

1 Nomenclature



(1) Classification

AM	VRF
----	-----

(2) Capacity

x 1/10 kW (3 digits)

(3) Version

F	2013
H	2014
J	2015
K	2016

(4) Product Type

N	Indoor Unit (NASA)
X	Outdoor Unit (NASA)

(5) Product Notation

1	1Way Cassette
2	2Way Cassette
4	4Way Cassette / 360 Cassette
N	4Way Cassette(600x600)
L	LSP Duct
M	MSP Duct
H	HSP Duct
E	OAP Duct
T	Neo Forte / Boracay
Q	Neo Forte / Boracay (EEV)
A	AR5000
V	AR5000(EEV)
C	Ceiling
J	Console
F	Floor Standing
P	PAC
K	ERV Plus

(6) Feature

F	Flagship
P	Premium
D	Deluxe
S	Standard

(7) Rating Voltage

E	220~240V, 50Hz, 1Φ
K	220~240V, 50/60Hz, 1Φ
G	380~415V, 50Hz, 3Φ

(8) Mode

H	Heat Pump (R410A)
B	Heat Pump (R134a)

2 Accessory










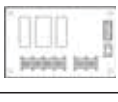



Controller

Classification	Product	Model	Image	Remark	Using
Individual Control System	Wireless Remote Controller	MR-EH00 (MR-EH00R)*			DVM, CAC
	Wireless Remote Controller	AR-KH00E (AR-KH00R)*		360 CST Only	DVM, CAC
	Wired Remote Controller	MWR-WE11N (MWR-WE10RN)*			DVM, CAC
	Wired Remote Controller - Simple Type	MWR-SH00N			DVM, CAC
	Wired Remote Controller - Touch Simple Type	MWR-SH10N (MWR-SH10RN)*			DVM, CAC
	ERV Wired Remote Controller	MWR-VH12N (MWR-VH12RN)*		ERV Only	DVM, CAC
	Wired Remote Controller	MWR-WW00N		EHS Only	EHS
	Receiver KIT	MRK-A10N			DVM, CAC
	Zone Controller	MWR-ZS00N		Master controller + Damper controller	DVM, CAC
	Zone Controller	MWR-ZS10N		Slave controller	DVM, CAC
	Zone Controller	MRW-TS		External room sensor	DVM, CAC

NOTE

- ()* is used in Turkey.

Controller







Classification	Product	Model	Image	Remark	Using
Centralized Control System	Onoff Controller	MCM-A202DN (MCM-A202DRN)*			DVM, CAC
	Touch Centralized Controller	MCM-A300N			DVM, CAC
	WIFI KIT	MIM-H03N (MIM-H03RN)*			DVM, CAC
	Interface Module	MIM-N01			DVM, CAC
	ERV Interface Module	MIM-N10			DVM, CAC
Integrated management System	DMS2.5	MIM-D01AN (MIM-D01ARN)*			DVM, CAC
	S-NET3	MST-P3P			DVM, CAC
Gate Way	BACnet Gateway	MIM-B17BN (MIM-B17BRN)*			DVM, CAC
	Lonworks Gateway	MIM-B18BN (MIM-B18BRN)*			DVM, CAC
	External Contact Interface Module	MIM-B14			DVM, CAC
	MTFC (Multi Tenant Function Controller)	MCM-C210N			DVM
	SIM (Signal Interface Module)	MIM-B12N			DVM, CAC
	PIM (Pulse Interface Module)	MIM-B16N (MIM-B16RN)*			DVM, CAC

 NOTE

- ()* is used in Turkey.

2 Accessory

Controller

Classification	Product	Model	Image	Remark	Using
Installation /Test run Solution	S-Checker	MIM-C10N			DVM, CAC
	S-Converter	MIM-C02N (MIM-C02RN)*			DVM, CAC
Others	External Room Sensor	MRW-TA			DVM, CAC
	Operation Mode Selection Switch	MCM-C200			DVM
	Module Controller	MCM-A00N		CHILLER Only	CHILLER
	FCU Interface Module	MIM-F10N		CHILLER Only	CHILLER

NOTE

- ()* is used in Turkey.
- In case you want more information about the accessories, please refer to the control and accessories TDB on pvi.Samsung.com site.

Controller & Control Accessory Compatibility

Item		NASA (DVM S)	Non-NASA (DVM +3/+4)	Remark
Individual Control System	Wireless Remote Controller	MR-EH00	MR-EH00	DVM, CAC
	Wireless Remote Controller	AR-KH00E	AR-KH00E	DVM, CAC (360 CST)
	Wired Remote Controller	MWR-WE11N	MWR-WE10	DVM, CAC
	Wired Remote Controller - Simple Type	MWR-SH00N	MWR-SH00	DVM, CAC
	Wired Remote Controller - Touch Simple Type	MWR-SH10N	-	DVM, CAC
	ERV Wired Remote Controller	MWR-VH12N	-	DVM, CAC (ERV)
	Wired Remote Controller	MWR-WW00N	MWR-WW00	EHS
	Receiver KIT	MRK-A10N	-	DVM, CAC
	Zone Controller	MWR-ZS00N	MWR-ZS00	DVM, CAC
	Zone Controller	MWR-ZS10N	MWR-ZS10	DVM, CAC
	Zone Controller	MRW-TS	MRW-TS	DVM, CAC
Centralized Control System	Onoff Controller	MCM-A202DN	MCM-A202D	DVM, CAC
	Touch Centralized Controller	MCM-A300N	-	DVM, CAC
	WIFI KIT	MIM-H03N	MIM-H03	DVM, CAC
	Interface Module	MIM-N01	MIM-N01	DVM, CAC
	ERV Interface Module	MIM-N10	MIM-N10	DVM, CAC
Integrated management System	DMS2.5	MIM-D01AN	MIM-D00A	DVM, CAC
	S-NET3	MST-P3P	MST-P3P	DVM, CAC
Gate Way	BACnet Gateway	MIM-B17BN	MIM-B17	DVM, CAC
	Lonworks Gateway	MIM-B18BN	MIM-B18	DVM, CAC
	External Contact Interface Module	MIM-B14	MIM-B14	DVM, CAC
	MTFC (Multi Tenant Function Controller)	MCM-C210N	-	
	SIM (Signal Interface Module)	MIM-B12N	MIM-B12	DVM, CAC
	PIM (Pulse Interface Module)	MIM-B16N	MIM-B16	DVM, CAC
	Module Controller	MCM-A00N	-	CHILLER ONLY
	FCU KIT	MIM-F00N	-	CHILLER ONLY
	FCU Interface Module	MIM-F10N	-	CHILLER ONLY
Installation / Test run Solution	S-Checker	MIM-C10N	-	DVM, CAC
	S-Converter	MIM-C02N	MIM-C02	DVM, CAC
Others	External Room Sensor	MRW-TA	MRW-TA	DVM, CAC
	Operation Mode Selection Switch	MCM-C200	MCM-C200	DVM

 NOTE

- In case you want to know more information the accessories, please refer to the control and accessories TDB on pvi.samsung.com site

2 Accessory

Piping

Product	Image	Model	Remark
Y-Joint		MXJ-YA1509M	15.0 kW and below
		MXJ-YA2512M	Over 15.0 kW ~ 40.0 kW and below
		MXJ-YA2812M	Over 40.0 kW ~ 45.0 kW and below
		MXJ-YA2815M	Over 45.0 kW ~ 70.3 kW and below
		MXJ-YA3419M	Over 70.3 kW ~ 98.4 kW and below
		MXJ-YA4119M	Over 98.4 kW ~ 135.2 kW and below
		MXJ-YA4422M	Over 135.2 kW
Y-Joint (Only H/R)		MXJ-YA1500M	22.4 kW and below
		MXJ-YA2500M	Over 22.4 kW ~ 70.3 kW and below
		MXJ-YA3100M	Over 70.3 kW ~ 135.2 kW and below
		MXJ-YA3800M	Over 135.2 kW
Y-Joint Outdoor Unit		MXJ-TA3419M	135.2 kW and below
		MXJ-TA4122M	140.2 kW and Over
Y-Joint (Only H/R) Outdoor Unit		MXJ-TA3100M	135.2 kW and below
		MXJ-TA3800M	140.2 kW and Over
Distribution Header		MXJ-HA2512M	45.0 kW and below (for 4 rooms)
		MXJ-HA3115M	70.3 kW and below (for 8 rooms)
		MXJ-HA3819M	Over 70.3 kW ~ 135.2 kW and below (for 8 rooms)
MCU		MCU-S6NEE1N	~56 kW, ~6 indoor units
		MCU-S4NEE1N	~56 kW, ~4 indoor units
		MCU-S4NEE2N	~56 kW, ~6 indoor units
		MCU-S2NETK1N	~28 kW, ~2 indoor units
EEV KIT		MEV-E24SA	1 Indoor
		MEV-E32SA	
		MXD-E24K132A	2 Indoor
		MXD-E24K200A	
		MXD-E32K200A	
		MXD-E24K232A	3 Indoor
		MXD-E24K300A	
MXD-E32K224A			
PDM KIT		MXD-A38K2A	8-12 HP
		MXD-A12K2A	14~16 HP
		MXD-A58K2A	18~26 HP

NOTE

- In case you want more information about the accessories, please refer to the control and accessories TDB on pvi.Samsung.com site.

2 Accessory

Indoor

Product	Image	Model	Remark
Panel		PC1NUSMAN	1Way CST (JSF-1)
		PC1NUPMAN	1Way CST (JSF-1) (Z-sliding)
		PC1MWSKAN	1Way CST (JSF-0)
		PC1NWSMAN	1Way CST (JSF-1)
		PC1BWSMAN	1Way CST (JSF-2)
		PC2NUSMEN	2Way Cassette
		PC4SUSMAN	4Way Cassette S (600x600) (Waffle)
		PC4SUSMEN	4Way Cassette S (600x600) (Classic)
		PC4NUSKAN	4way Cassette S (Waffle)
		PC4NUSKEN	4way Cassette S (Classic)
		PC4NBSKAN	4way Cassette S (Waffle, Black)
		PC4NUDMAN	360 CST Square (White)
		PC4NUNMAN	360 CST Circular (White)
		PC4NBDMAN	360 CST Square (Black)
		PC4NBNMAN	360 CST Circular (Black)
S-Plasma Ion KIT		MSD-CAN1	[Option] 1Way, 4Way, 4Way (600x600), 360, Big Ceiling [Include] Console
		MSD-ENA1	[Option] Duct S, Big Duct, ERV, ERV Plus
Motion detect Sensor		MCR-SMA	4Way Cassette S (600x600)

2 Accessory

Indoor

Product	Image	Model	Remark			
ERV CO2 Sensor		MOS-C1	ERV, ERV PLUS			
External room sensor		MRW-TA	Cassette, Wall-mount, Ceiling, Duct, Console			
Drain Pump		MDP-N047SNC0D	OAP Duct (14.0 kW)			
		MDP-N047SNC1D	HSP Duct (22.0 / 28.0 kW) OAP Duct (22.4 / 28.0 kW)			
		MDP-M075SGU1D	MSP-0 / 1 Duct (9.2 / 11.2 kW)			
		MDP-M075SGU2D	MSP-2 Duct (12.8 / 14.0 kW) HSP Duct (11.2 / 12.8 / 14.0 kW)			
		MDP-M075SGU3D	MSP-S Duct (5.6 / 7.1 kW)			
		MDP-E075SEE3D	Slim Duct (2.0~14.0 kW)			
		MDP-G075SP	Duct S (External, All Capacities) BIG Duct			
		MDP-G075SQ	Duct S (Internal, 3.5 kW~14 kW) BIG Duct			
AHU KIT		MXD-K025AN	7.0 kW~8.75 kW			
		MXD-K050AN	14.0 kW~17.5 kW			
		MXD-K075AN	21.0 kW~26.25 kW			
		MXD-K100AN	28.0 kW~35.0 kW			
		MCM-D201N	28kW~35kW MDX-A64K100E X 1 EA	56kW~70kW MDX-A64K100E X 2 EA	84kW~105kW MDX-A64K100E X 3 EA	112kW~140kW MDX-A64K100E X 4 EA

NOTE

- In case you want more information about the accessories, please refer to the control and accessories TDB on pvi.Samsung.com site.

Indoor unit's Accessory Compatibility

Product	Model	Remark	1way			2way	4way	360	4W (600x600)	Slim duct	MSP Duct					Duct-S	Big Duct	HSP Duct	OAP Duct		RAC	Ceiling	B-Ceiling	Console	PAC	Floor Standing	ERV Plus	AHU
			JSF-0	JSF-1	JSF-2						MSP-S	MSP-0	MSP-1	MSP-2	5HP				8:10HP									
Panel	PC4NUDMAN	Ceiling																										
	PC4NBDMAN	Ceiling (Black)																										
	PC4NUNMAN	Open																										
	PC4NBNMAN	Open (Black)																										
	PC4NUSKAN	Waffle																										
	PC4NBSKAN	Waffle (Black)																										
	PC4NUSKEN	Classic																										
	PC4SUSMAN	Waffle																										
	PC4SUSMEN	Classic																										
	PC1NUSMAN	Stripe																										
	PC1NUPMAN	Z-Slide																										
	PC1MWSKAN	Fluid																										
	PC1NWSMAN																											
	PC1BWSMAN																											
PC2NUSMEN	Stripe																											
DRAIN PUMP	MDP-N047SNC0D	-																										
	MDP-N047SNC1D	-																										
	MDP-M075SSGU1D	-																										
	MDP-M075SSGU2D	-																										
	MDP-M075SSGU3D	-																										
	MDP-E075SEE3D	-																										
	MDP-G075SP	External, All Capacities																										
	MDP-G075SQ	Internal																										
S-Plasma Ion KIT	MSD-CAN1	-																										
	MSD-EAN1	-																										
Motion detect Sensor	MCR-SMA	-																										
ERV CO2 Sensor	MOS-C1	-																										
EEV KITS	MEV-E**SA	1 Indoor																										
	MXD-E**K***A	2,3 Indoor																										
MCU-KIT	MCU-S6NEE1N	Below 6 IDU, below 56 Kw																										
	MCU-S4NEE1N	Below 4 IDU, below 56 kW																										
	MCU-S4NEE2N	Below 2 large capa IDU, below 56 kW																										
	MCU-S2NEK1N	Below 2 IDU, below 28 kW																										
AHU-KIT	MXD-K025AN	only for 2.5Hp's AHU																										
	MXD-K050AN	only for 5Hp's AHU																										
	MXD-K075AN	only for 7.5Hp's AHU																										
	MXD-K100AN	only for 10Hp's AHU																										
	MCM-D201N	only for 10~40Hp's AHU																										

NOTE

- In case you want to know more information the accessories, please refer to the control and accessories TDB on pvi.samsung.com site

II. Indoor units

- 1 Slim 1 way cassette
- 2 2 way cassette
- 3 4 way cassette (600 x 600)
- 4 4 way cassette
- 5 360 cassette
- 6 Slimduct
- 7 Slim duct (Drain pump integrated)
- 8 Slim duct Home (Drain pump integrated)
- 9 MSP duct
- 10 MSP duct (Drain pump integrated)
- 11 HSP duct
- 12 Duct S
- 13 Ceiling
- 14 Big Ceiling
- 15 Console
- 16 Floor standing
- 17 Neo Forte & Neo Forte E
- 18 A3050 (AR5000)
- 19 Boracay
- 20 PAC
- 21 OAP duct
- 22 ERV plus

1 1 way cassette

- 1-1. Specifications
- 1-2. Capacity tables
- 1-3. Dimensional drawing
- 1-4. Electrical wiring diagram
- 1-5. Sound pressure level
- 1-6. Temperature and air flow distribution

1 way cassette

1-1. Specifications

Model				AM022FN1DEH/TK	AM028FN1DEH/TK	AM036FN1DEH/TK	
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
Mode ^{*1)}				HP	HP	HP	
Performance	Capacity (Nominal)	Cooling ^{*2)}	kW	2.2	2.8	3.6	
			Btu/h	7,500	9,600	12,300	
		Heating ^{*3)}	kW	2.6	3.2	4.0	
			Btu/h	8,900	10,900	13,600	
Power	Power Input (Nominal)	Cooling ^{*2)}	W	50	50	50	
		Heating ^{*3)}	W	50	50	50	
	Current Input (Nominal)	Cooling ^{*2)}	A	0.20	0.23	0.25	
		Heating ^{*3)}	A	0.20	0.23	0.25	
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	
		Output	W	23	23	23	
		Number of unit	EA	1	1	1	
	Air Flow Rate	H/M/L (UL)	CMM		6/5/4	7/6/5	8/7/6
			l/s		100.00/83.33/66.67	116.67/100.00/83.33	133.33/116.67/100.00
	External Pressure	Min / Std / Max	mmAq		-	-	-
			Pa		-	-	-
			WG		-	-	-
Option Code				017044-1180C8-201616-330010	017044-1180F8-201C1C-330010	017044-11545D-202424-330010	
Piping Connections	Liquid Pipe	Ø, mm		6.35	6.35	6.35	
		Ø, inch		1/4	1/4	1/4	
	Gas Pipe	Ø, mm		12.70	12.70	12.70	
		Ø, inch		1/2	1/2	1/2	
Drain Pipe	Ø, mm		VP20 (OD 26,ID 20)	VP20 (OD 26,ID 20)	VP20 (OD 26,ID 20)		
Field Wiring	Power Source Wire	Below 20m / over 20m	mm ²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	
	Transmission Cable		mm ²	0.75~1.5	0.75~1.5	0.75~1.5	
Refrigerant	Type		-	R410A	R410A	R410A	
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	
Sound	Sound Pressure	High / Mid / Low ^{*4)}	dBA	27 / 25 / 23	29 / 27 / 24	35 / 31 / 27	
Dimensions	Net Weight		kg	10.50	10.50	10.50	
	Shipping Weight		kg	13.50	13.50	13.50	
	Net Dimensions (W×H×D)		mm	970 x 135 x 410	970 x 135 x 410	970 x 135 x 410	
	Shipping Dimensions (W×H×D)		mm	1,164 x 212 x 478	1,164 x 212 x 478	1,164 x 212 x 478	
Panel Size	Panel model		-	PC1NUSMAN	PC1NUSMAN	PC1NUSMAN	
	Panel Net Weight		kg	3.00	3.00	3.00	
	Shipping Weight		kg	5.00	5.00	5.00	
	Net Dimensions (W×H×D)		mm	1180 x 225 x 460	1180 x 225 x 460	1180 x 225 x 460	
	Shipping Dimensions (W×H×D)		mm	1259 x 144 x 539	1259 x 144 x 539	1259 x 144 x 539	
Additional Accessories	Drain pump	Drain pump	- / Model	Built-in	Built-in	Built-in	
		Max. lifting Height / Displacement	mm/liter/h	750 / 24	750 / 24	750 / 24	
	Air Filter		-		Long life filter	Long life filter	Long life filter

* Specifications may be subject to change without prior notice for product improvement.

*1) Mode

- HP : Heat Pump

*2) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

1 1 way cassette

1-1. Specifications

Type				1Way Cassette	1Way Cassette
Model				AM056JN1DEH/TK	AM071JN1DEH/TK
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50
Mode				-	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	5.60	7.10
			Btu/h	19,100	24,200
		Heating	kW	6.30	8.00
			Btu/h	21,500	27,300
Power	Power Input (Nominal)	Cooling	W	55.00	80.00
		Heating	W	55.00	80.00
	Current Input (Nominal)	Cooling	A	0.28	0.40
		Heating	A	0.28	0.40
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan
		Output x n	w	54 x 1	54 x 1
	Air Flow Rate	H/M/L (UL)	CMM	16.00 / 14.00 / 12.50	17.00 / 15.50 / 14.00
			l/s	266.67 / 233.33 / 208.33	283.33 / 258.33 / 233.33
	External Pressure	Min/Std/Max	mmAq	-	-
			Pa	-	-
Piping Connections	Liquid Pipe	Ø, mm	6.35	9.52	
		Ø, inch	1/4"	3/8"	
	Gas Pipe	Ø, mm	12.70	15.88	
		Ø, inch	1/2"	5/8"	
	Drain Pipe	Ø, mm	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	
Field Wiring	Power Source Wire	mm ²	1.5 - 2.5	1.5 - 2.5	
	Transmission Cable	mm ²	0.75 - 1.50	0.75 - 1.50	
Refrigerant	Type	-	R410A	R410A	
	Control Method	-	EEV INCLUDED	EEV INCLUDED	
Sound	Pressure	High / Mid / Low	dB(A)	36.0 / 33.0 / 31.0	39.0 / 37.0 / 34.0
	Power	Cooling		58.0	60.0
Dimension	Net Weight	kg	14.50	14.50	
	Shipping Weight	kg	18.50	18.50	
	Net Dimensions (WxHxD)	mm	1,200 x 138 x 450	1,200 x 138 x 450	
	Shipping Dimensions (WxHxD)	mm	1,435 x 224 x 525	1,435 x 224 x 525	
Panel Size	Panel model	-	PC1BWSMAN	PC1BWSMAN	
	Panel Net Weight	kg	6.30	6.30	
	Shipping Weight	kg	8.30	8.30	
	Net Dimensions (WxHxD)	mm	1,410 x 23 x 500	1,410 x 23 x 500	
	Shipping Dimensions (WxHxD)	mm	1,474 x 122 x 566	1,474 x 122 x 566	
Additional Accessories	Drain Pump	Drain Pump	- / Model	-	-
		Max. lifting Height / Displacement	mm/liter/h	-	-
	Air Filter	-	-	-	-

* Specifications may be subject to change without prior notice for product improvement.

*1) Mode

- HP : Heat Pump

*2) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

1 1 way cassette

1-2. Capacity tables

2) Heating

TC : Total Capacity(kW)

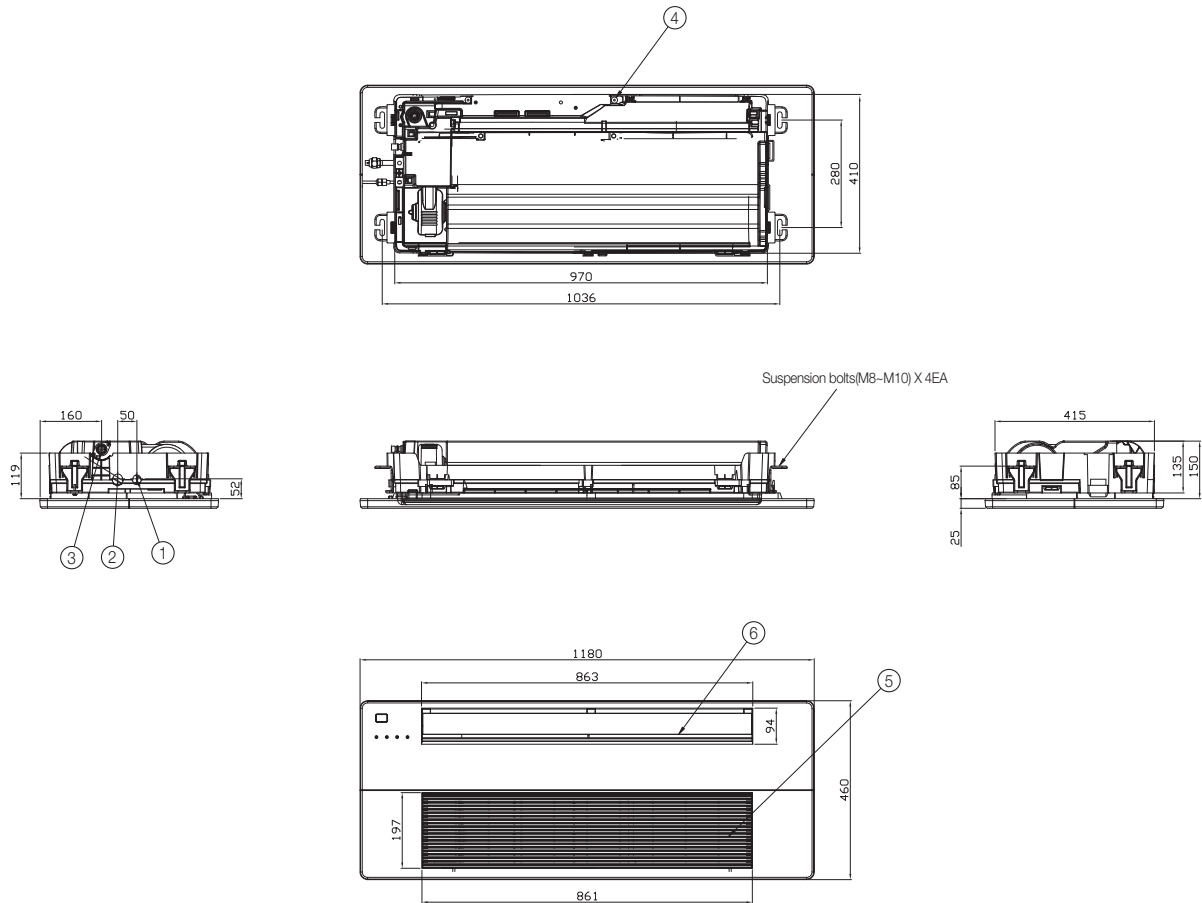
Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC	TC	TC	TC	TC
022	-20	-21	1.5	1.5	1.5	1.5	1.5
	-17	-18	1.6	1.6	1.6	1.6	1.6
	-15	-16	1.7	1.6	1.6	1.6	1.6
	-12	-13	1.8	1.8	1.8	1.8	1.7
	-10	-11	2.0	2.0	1.9	1.9	1.9
	-7	-8	2.3	2.2	2.2	2.0	2.0
	-5	-6	2.4	2.3	2.3	2.2	2.2
	-3	-4	2.5	2.5	2.4	2.3	2.2
	0	-1	2.6	2.5	2.5	2.3	2.2
	3	2.2	2.7	2.6	2.5	2.3	2.2
	5	4.1	2.8	2.7	2.5	2.3	2.2
	7	6	2.8	2.7	2.5	2.3	2.2
	9	7.9	3.0	2.7	2.5	2.3	2.2
	11	9.8	3.0	2.7	2.5	2.3	2.2
	13	12	3.0	2.7	2.5	2.3	2.2
15	14	3.0	2.7	2.5	2.3	2.2	
028	-20	-21	1.9	1.9	1.9	1.9	1.9
	-17	-18	2.0	2.0	2.0	2.0	1.9
	-15	-16	2.1	2.1	2.0	2.0	1.9
	-12	-13	2.2	2.2	2.2	2.1	2.1
	-10	-11	2.3	2.3	2.3	2.3	2.2
	-7	-8	2.5	2.4	2.4	2.4	2.3
	-5	-6	2.6	2.6	2.5	2.5	2.4
	-3	-4	2.8	2.7	2.7	2.6	2.5
	0	-1	2.9	2.8	2.8	2.7	2.6
	3	2.2	3.0	3.0	2.9	2.8	2.7
	5	4.1	3.2	3.1	3.1	2.9	2.7
	7	6	3.3	3.2	3.2	3.0	2.7
	9	7.9	3.4	3.3	3.2	3.0	2.7
	11	9.8	3.5	3.3	3.2	3.0	2.7
	13	12	3.6	3.4	3.2	3.0	2.7
15	14	3.7	3.4	3.2	3.0	2.7	
036	-20	-21	2.4	2.4	2.3	2.3	2.3
	-17	-18	2.6	2.5	2.4	2.4	2.3
	-15	-16	2.7	2.6	2.5	2.5	2.4
	-12	-13	2.8	2.7	2.7	2.6	2.6
	-10	-11	2.9	2.9	2.9	2.8	2.8
	-7	-8	3.1	3.1	3.0	3.0	2.9
	-5	-6	3.3	3.2	3.2	3.1	3.0
	-3	-4	3.4	3.4	3.3	3.2	3.1
	0	-1	3.6	3.6	3.5	3.4	3.2
	3	2.2	3.8	3.7	3.7	3.5	3.4
	5	4.1	3.9	3.9	3.8	3.6	3.4
	7	6	4.1	4.1	4.0	3.7	3.4
	9	7.9	4.2	4.1	4.0	3.7	3.4
	11	9.8	4.4	4.2	4.0	3.7	3.4
	13	12	4.5	4.2	4.0	3.7	3.4
15	14	4.6	4.3	4.0	3.7	3.4	
056	-20	-21	3.9	3.8	3.8	3.7	3.7
	-17	-18	4.0	4.0	3.9	3.8	3.8
	-15	-16	4.2	4.1	4.0	3.9	3.8
	-12	-13	4.4	4.3	4.2	4.2	4.1
	-10	-11	4.6	4.6	4.5	4.4	4.4
	-7	-8	4.9	4.8	4.8	4.7	4.5
	-5	-6	5.2	5.1	5.0	4.9	4.7
	-3	-4	5.4	5.3	5.3	5.1	4.9
	0	-1	5.7	5.6	5.5	5.3	5.0
	3	2	5.9	5.9	5.8	5.6	5.3
	5	4	6.2	6.1	6.0	5.7	5.3
	7	6	6.5	6.4	6.3	5.8	5.3
	9	8	6.7	6.5	6.3	5.8	5.3
	11	10	6.9	6.6	6.3	5.8	5.3
	13	12	7.1	6.7	6.3	5.8	5.3
15	14	7.3	6.8	6.3	5.8	5.3	
071	-20	-21	4.9	4.9	4.8	4.7	4.7
	-17	-18	5.1	5.0	4.9	4.8	4.8
	-15	-16	5.3	5.2	5.1	4.9	4.8
	-12	-13	5.6	5.5	5.4	5.3	5.2
	-10	-11	5.9	5.8	5.7	5.6	5.6
	-7	-8	6.2	6.1	6.0	5.9	5.8
	-5	-6	6.5	6.5	6.4	6.2	6.0
	-3	-4	6.9	6.8	6.7	6.4	6.2
	0	-1	7.2	7.1	7.0	6.7	6.4
	3	2	7.6	7.5	7.3	7.1	6.8
	5	4	7.9	7.8	7.7	7.2	6.8
	7	6	8.2	8.1	8.0	7.4	6.8
	9	8	8.5	8.2	8.0	7.4	6.8
	11	10	8.7	8.4	8.0	7.4	6.8
	13	12	9.0	8.5	8.0	7.4	6.8
15	14	9.2	8.6	8.0	7.4	6.8	

1 1 way cassette

1-3. Dimensional drawing

AM022FN1DEH/TK, AM028FN1DEH/TK, AM036FN1DEH/TK

Unit:mm



No.	Name	Description		
		2.2kW	2.8kW	3.6kW
①	Liquid pipe connection	Ø6.35 Flare		
②	Gas pipe connection	Ø12.70 Flare		
③	Drain pipe connection	VP20 (OD 26, ID 20)		
④	Conduit for power supply & communication wiring	-		
⑤	Air inlet grille	-		
⑥	Air outlet louver	-		

1 way cassette

1-3. Dimensional drawing

AM056JN1DEH/TK, AM071JN1DEH/TK

Unit:mm

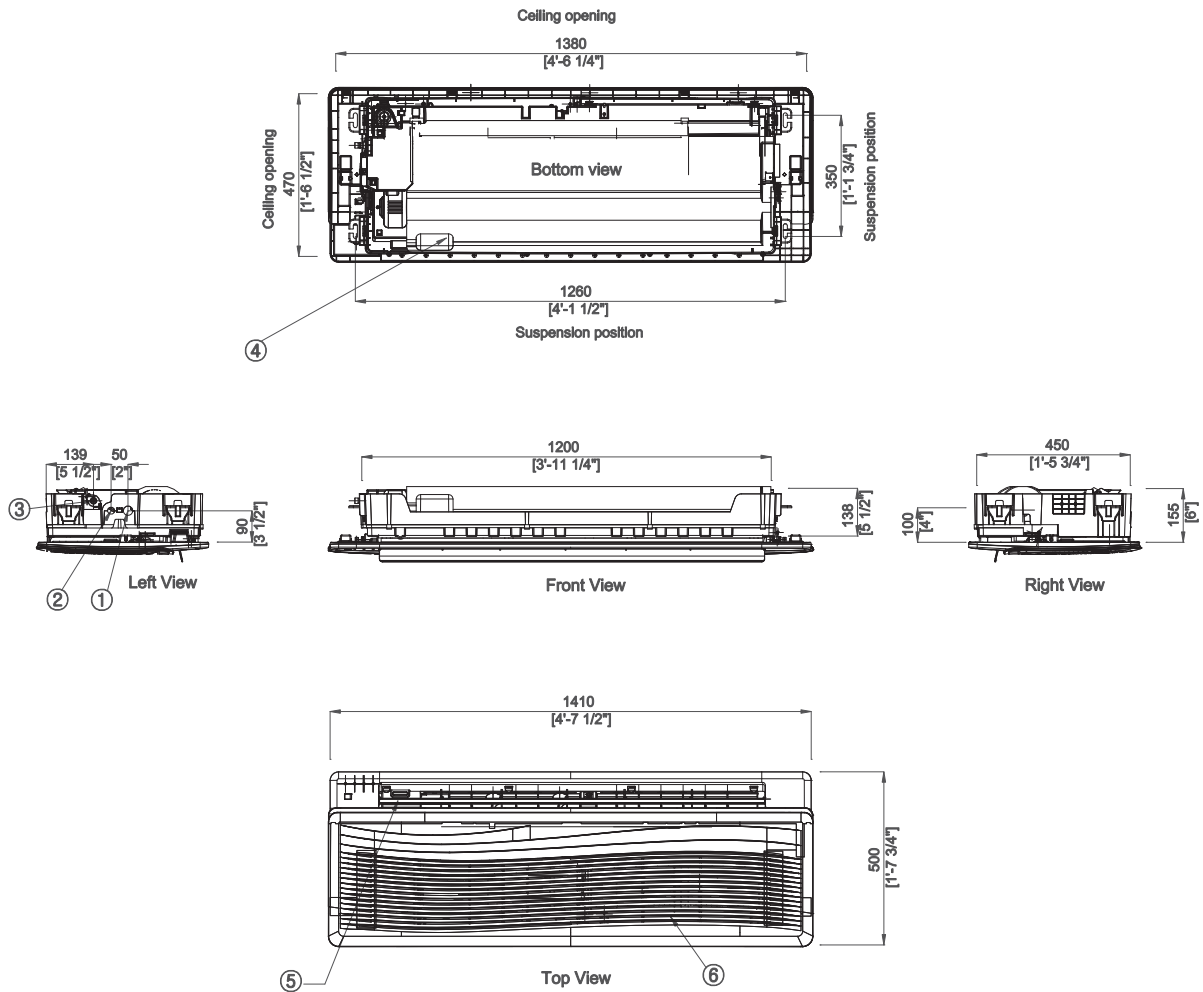


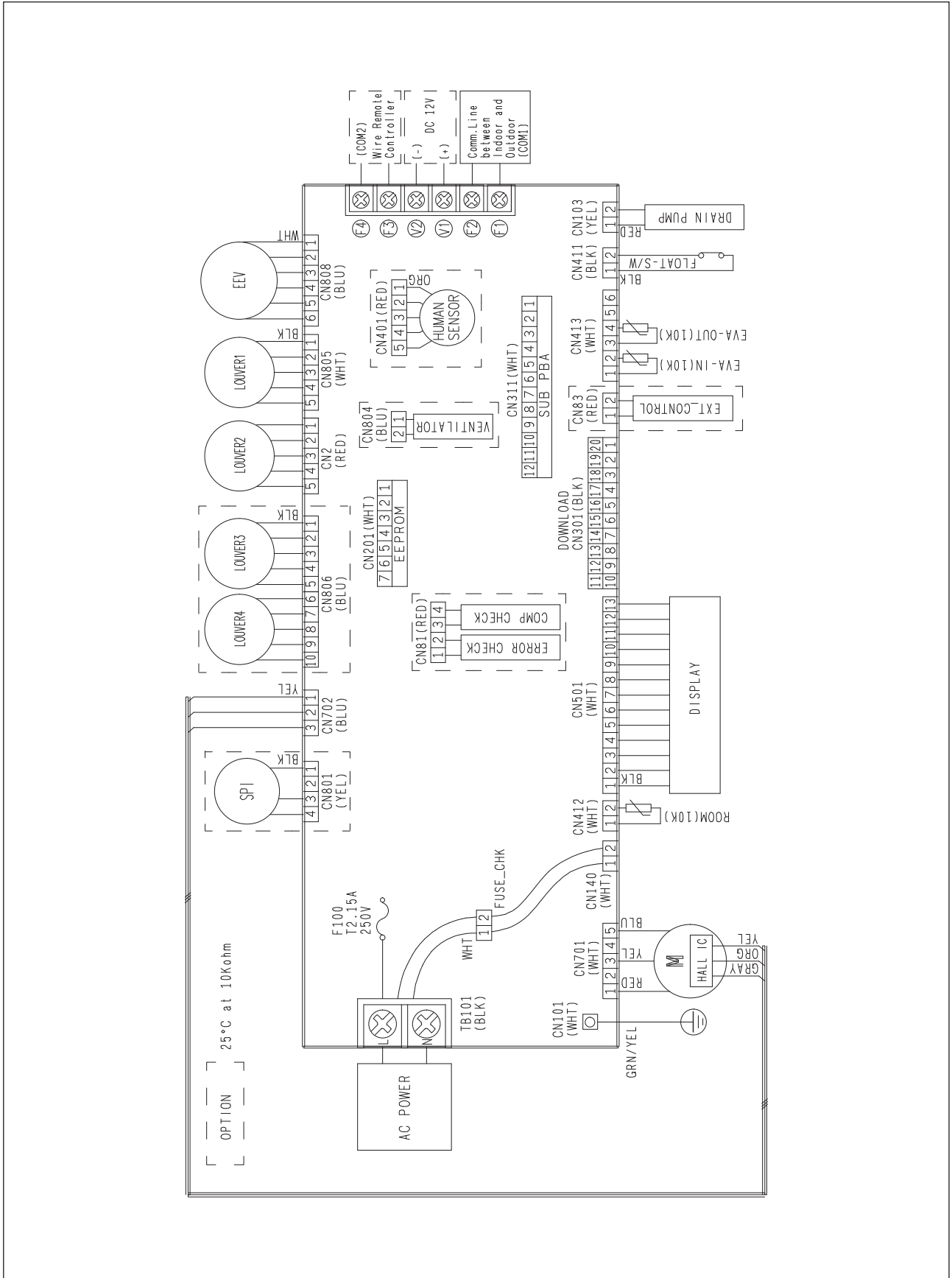
Table of descriptions

1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Condensate drain
4	Power & Comm. wiring conduits
5	Air discharge louver
6	Air suction grille

1 1 way cassette

1-4. Electrical wiring diagram

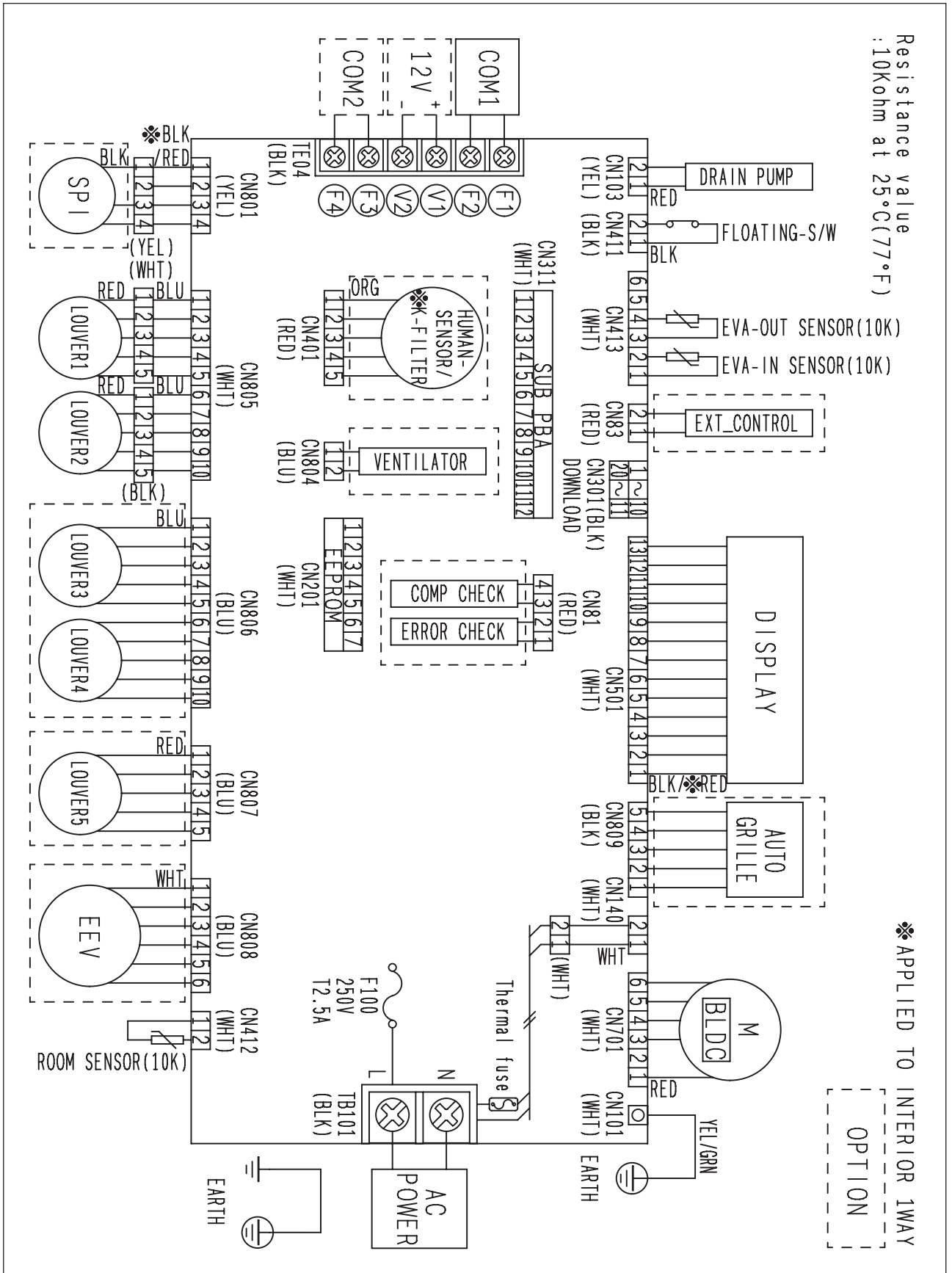
AM022FN1DEH/TK, AM028FN1DEH/TK, AM036FN1DEH/TK



1 way cassette

1-4. Electrical wiring diagram

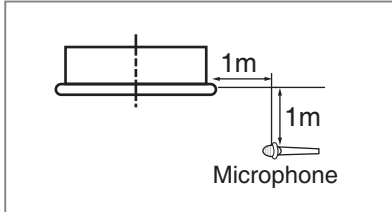
AM056JN1DEH/TK, AM071JN1DEH/TK



1 1 way cassette

1-5. Sound pressure level

1) Operation sound level



Unit : dB(A)

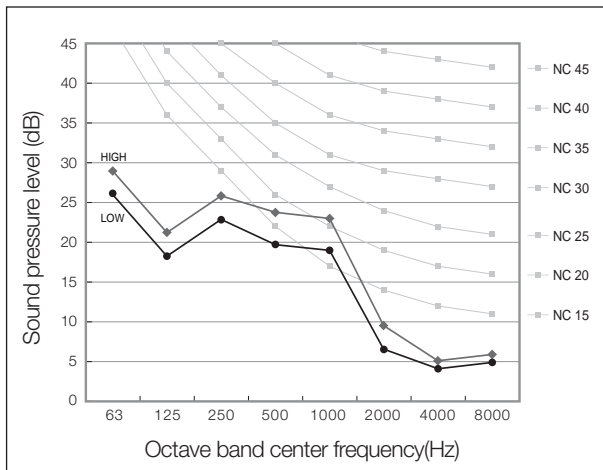
Model	High	Low
AM022FN1DEH/TK	27	23
AM028FN1DEH/TK	29	24
AM036FN1DEH/TK	35	27

Note

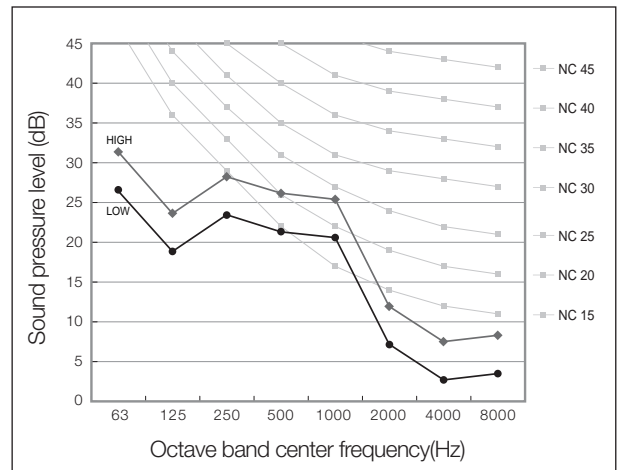
- ◆ These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ depending on operation and ambient conditions.

2) NC curves

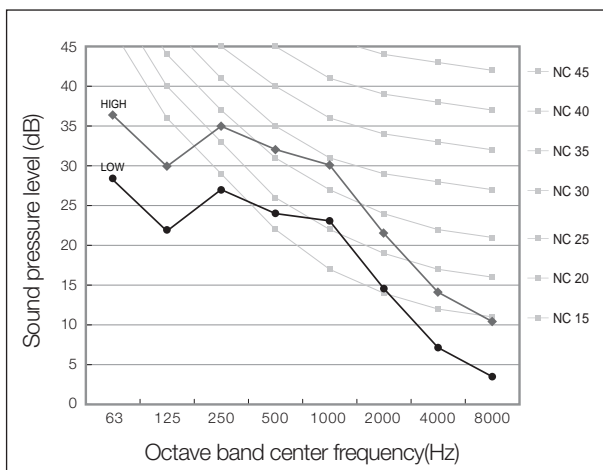
(1) AM022FN1DEH/TK



(2) AM028FN1DEH/TK



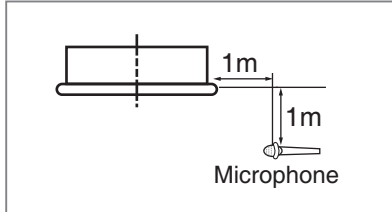
(3) AM036FN1DEH/TK



1 1 way cassette

1-5. Sound pressure level

1) Operation sound level



Unit : dB(A)

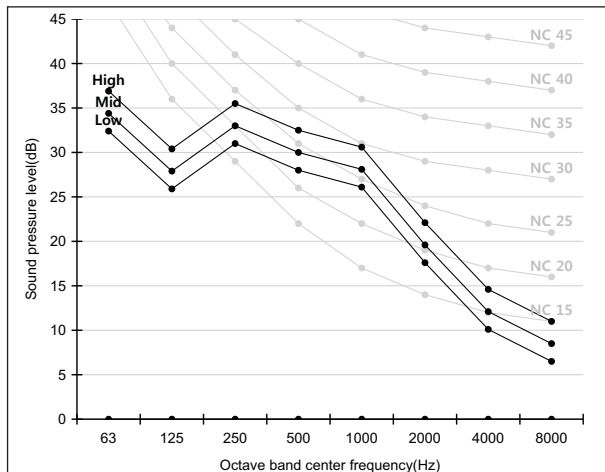
Model	High	Low
AM056JN1DEH/TK	36	31
AM071JN1DEH/TK	39	34

☑ Note

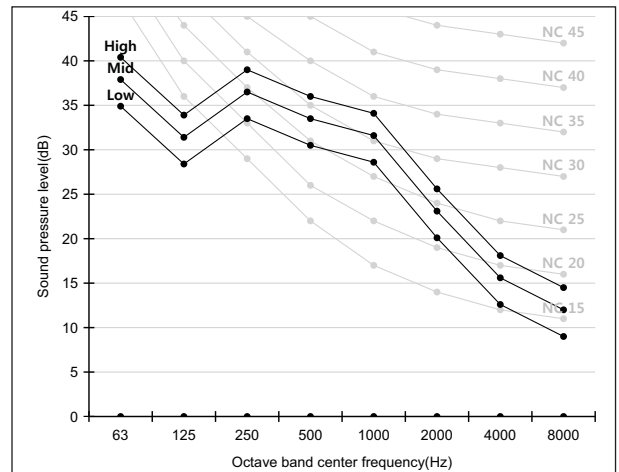
- ◆ These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ depending on operation and ambient conditions.

2) NC curves

(4) AM056JN1DEH/TK



(5) AM071JN1DEH/TK



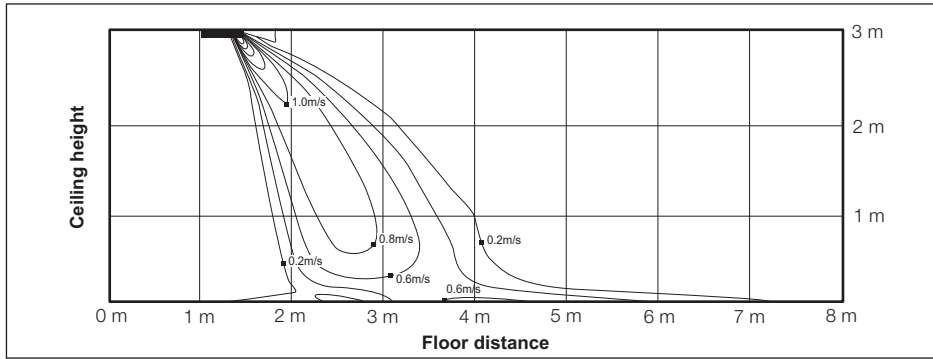
1 1 way cassette

1-6. Temperature and air flow distribution

1) AM036FN1DEH/TK

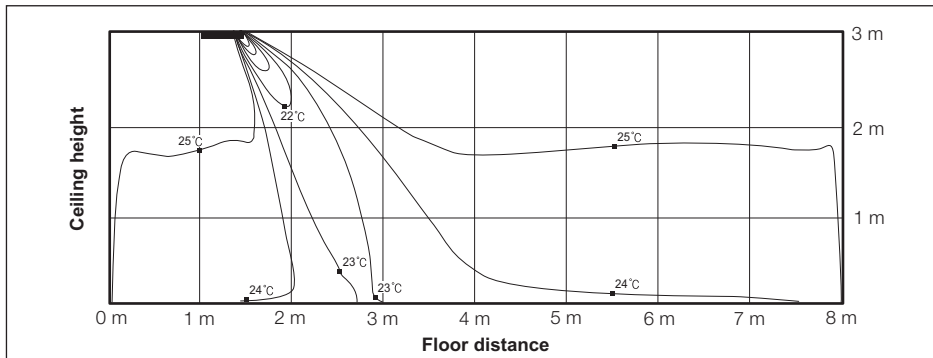
(1) Cooling air velocity distribution

◆ Discharge angle : 60°



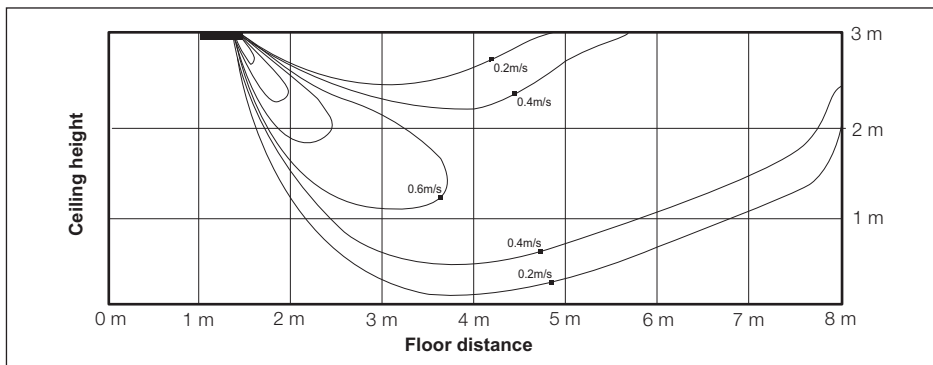
(2) Cooling temperature distribution

◆ Discharge angle : 60°



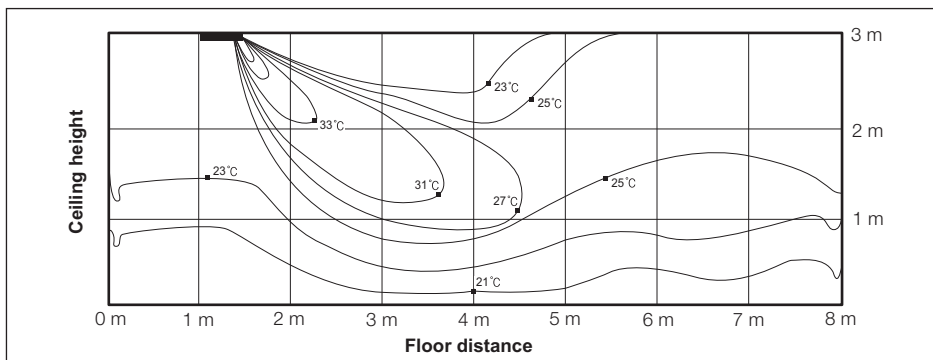
(3) Heating air velocity distribution

◆ Discharge angle : 60°



(4) Heating temperature distribution

◆ Discharge angle : 60°



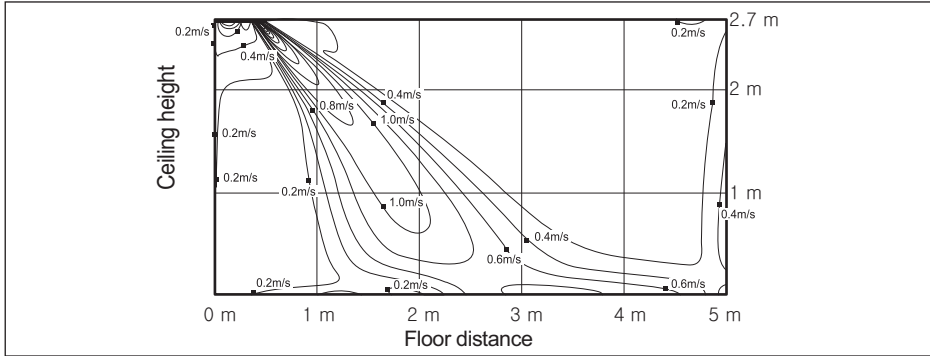
1 1 way cassette

1-6. Temperature and air flow distribution

1) AM056JN1DEH/TK

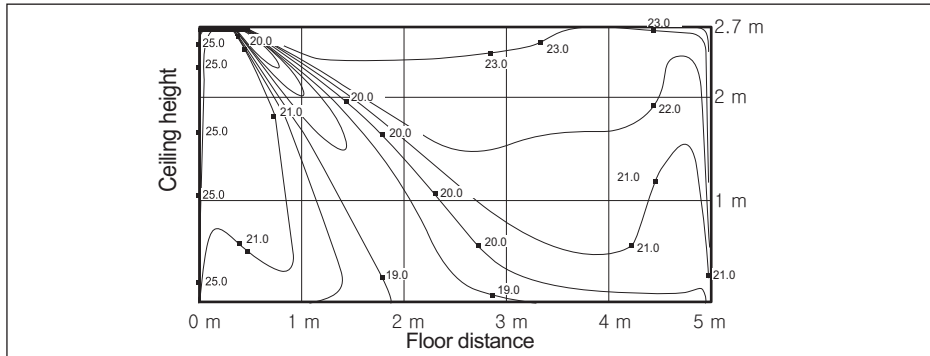
(1) Cooling air velocity distribution

Discharge angle : 50°



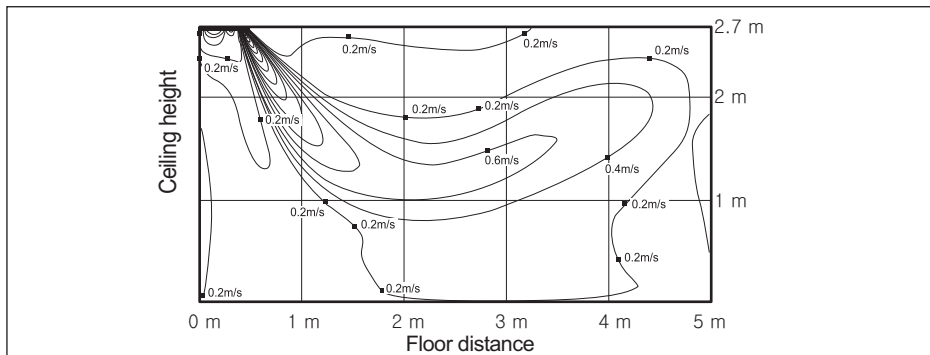
(2) Cooling temperature distribution

Discharge angle : 50°



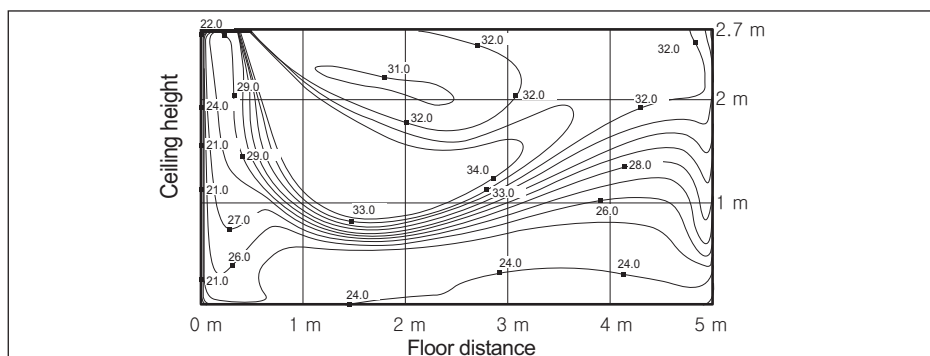
(3) Heating air velocity distribution

Discharge angle : 60°



(4) Heating temperature distribution

Discharge angle : 60°



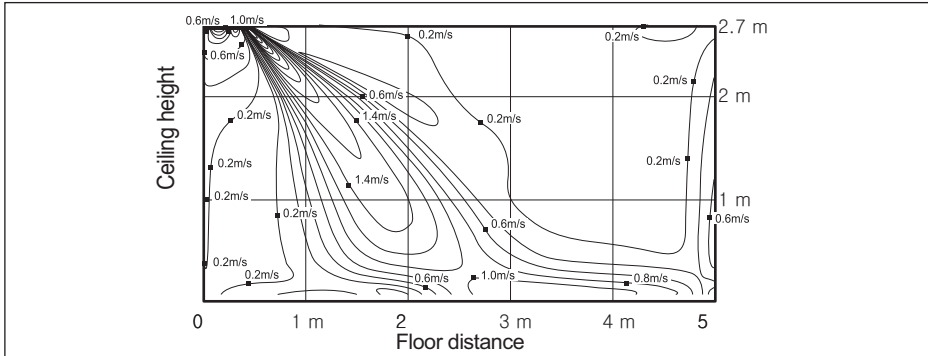
1 1 way cassette

1-6. Temperature and air flow distribution

1) AM071JN1DEH/TK

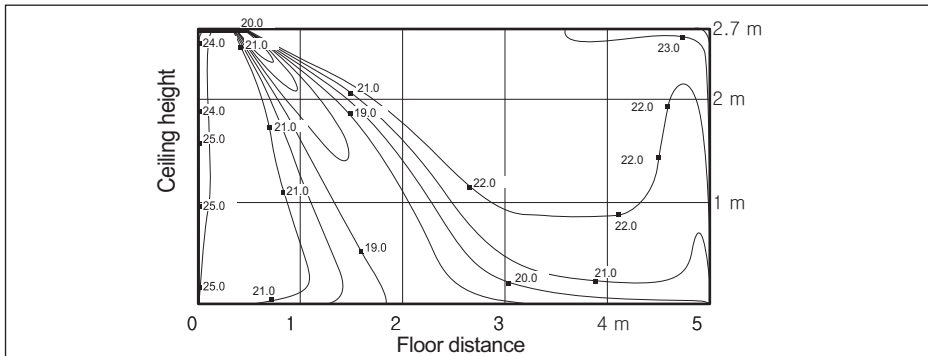
(1) Cooling air velocity distribution

Discharge angle : 50°



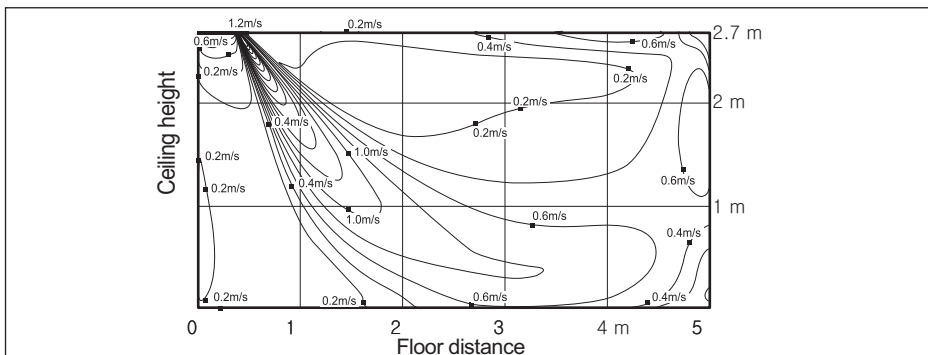
(2) Cooling temperature

Discharge angle : 50°



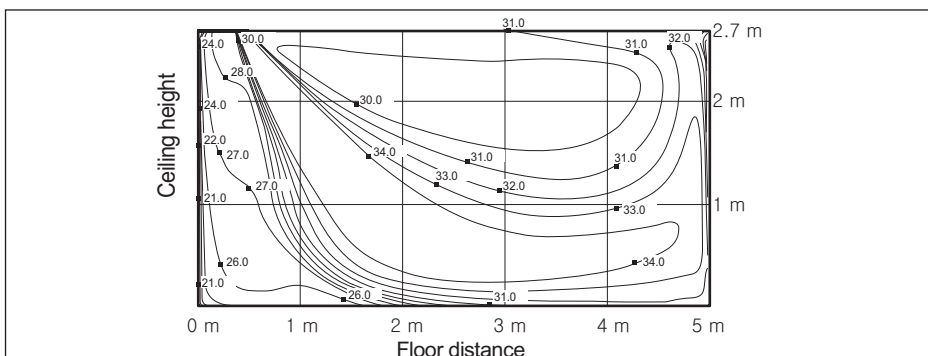
(3) Heating air velocity

Discharge angle : 60°



(4) Heating temperature

Discharge angle : 60°



2 2 way cassette

- 2-1. Specifications
- 2-2. Capacity tables
- 2-3. Dimensional drawing
- 2-4. Electrical wiring diagram
- 2-5. Sound pressure level
- 2-6. Temperature and air flow distribution

2 2 way cassette

2-1. Specifications

Model				AM056FN2DEH/TK	AM071FN2DEH/TK
Power Supply			Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50
Mode ^{*1)}				HP	HP
Performance	Capacity (Nominal)	Cooling ^{*2)}	kW	5.6	7.1
			Btu/h	19,100	24,200
		Heating ^{*3)}	kW	6.3	8.0
			Btu/h	21,500	27,300
Power	Power Input (Nominal)	Cooling ^{*2)}	W	70	75
		Heating ^{*3)}	W	70	75
	Current Input (Nominal)	Cooling ^{*2)}	A	0.38	0.40
		Heating ^{*3)}	A	0.38	0.40
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan
		Output	W	14	14
		Number of unit	EA	2	2
	Air Flow Rate	H/M/L (UL)	CMM	14 / 13 / 12	15 / 14 / 13
			l/s	233.33/216.67/200.00	250.00/233.33/216.67
	External Pressure	Min / Std / Max	mmAq	-	-
			Pa	-	-
WG			-	-	
Option Code			-	012044-115561-203838-330010	012044-115582-204747-330010
Piping Connections	Liquid Pipe	Ø, mm	6.35	9.52	
		Ø, inch	1/4	3/8	
	Gas Pipe	Ø, mm	12.70	15.88	
		Ø, inch	1/2	5/8	
Drain Pipe	Ø, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)		
Field Wiring	Power Source Wire	Below 20m / over 20m	mm ²	1.5 / 2.5	1.5 / 2.5
	Transmission Cable		mm ²	0.75~1.5	0.75~1.5
Refrigerant	Type		-	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low ^{*4)}	dBA	38 / 37 / 35	41 / 39 / 37
Dimensions	Net Weight		kg	21.00	22.00
	Shipping Weight		kg	25.00	26.00
	Net Dimensions (W×H×D)		mm	890 x 230 x 575	890 x 230 x 575
	Shipping Dimensions (W×H×D)		mm	1,077 x 299 x 642	1,077 x 299 x 642
Panel Size	Panel model		-	PC2NUSMEN	PC2NUSMEN
	Panel Net Weight		kg	4.00	4.00
	Shipping Weight		kg	8.00	8.00
	Net Dimensions (W×H×D)		mm	1030 x 25 x 650	1030 x 25 x 650
	Shipping Dimensions (W×H×D)		mm	1103 x 151 x 727	1103 x 151 x 727
Additional Accessories	Drain pump	Drain pump	- / Model	Built-in	Built-in
		Max. lifting Height / Displacement	mm/liter/h	750 / 24	750 / 24
	Air Filter			-	Long life filter

* Specifications may be subject to change without prior notice for product improvement.

***1) Mode**

- HP : Heat Pump

***2) Nominal cooling capacities are based on;**

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

***3) Nominal heating capacities are based on;**

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

***4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.**

2 2 way cassette

2-2. Capacity tables

1) Cooling

TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)													
		20 (°C, DB)		23 (°C, DB)		26 (°C, DB)		27 (°C, DB)		28 (°C, DB)		30 (°C, DB)		32 (°C, DB)	
		14 (°C, WB)		16 (°C, WB)		18 (°C, WB)		19 (°C, WB)		20 (°C, WB)		22 (°C, WB)		24 (°C, WB)	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
056	10	3.9	3.1	4.6	3.4	5.3	3.8	5.6	3.8	5.8	3.8	6.3	3.8	6.7	3.7
	12	3.9	3.1	4.6	3.4	5.3	3.8	5.6	3.8	5.8	3.8	6.3	3.8	6.7	3.7
	14	3.9	3.1	4.6	3.4	5.3	3.8	5.6	3.8	5.8	3.8	6.2	3.8	6.7	3.7
	16	3.9	3.1	4.6	3.4	5.3	3.8	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	18	3.9	3.1	4.6	3.4	5.3	3.8	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	20	3.9	3.1	4.6	3.4	5.3	3.8	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	21	3.9	3.1	4.6	3.4	5.3	3.8	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	23	3.9	3.1	4.6	3.4	5.3	3.8	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	25	3.9	3.1	4.6	3.4	5.3	3.8	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	27	3.9	3.1	4.6	3.4	5.3	3.8	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	29	3.9	3.1	4.6	3.4	5.3	3.8	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	31	3.9	3.1	4.6	3.4	5.3	3.8	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	33	3.9	3.1	4.6	3.4	5.3	3.8	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	35	3.9	3.1	4.6	3.4	5.3	3.8	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	37	3.9	3.1	4.6	3.4	5.3	3.8	5.6	3.8	5.8	3.8	6.1	3.7	6.5	3.5
	39	3.9	3.1	4.6	3.4	5.3	3.8	5.6	3.8	5.8	3.8	6.1	3.7	6.4	3.4
	42	3.9	3.1	4.6	3.4	5.3	3.8	5.4	3.7	5.6	3.7	5.8	3.6	6.0	3.2
44	3.9	3.1	4.6	3.4	5.3	3.7	5.3	3.6	5.4	3.6	5.5	3.5	5.6	3.0	
46	3.9	3.0	4.6	3.3	4.7	3.4	5.0	3.3	5.1	3.3	5.2	3.2	5.3	2.7	
071	10	4.9	4.0	5.8	4.4	6.7	4.9	7.1	5.1	7.4	5.0	8.0	5.1	8.5	4.8
	12	4.9	4.0	5.8	4.4	6.7	4.9	7.1	5.1	7.4	5.0	7.9	5.0	8.5	4.8
	14	4.9	4.0	5.8	4.4	6.7	4.9	7.1	5.1	7.4	5.0	7.9	5.0	8.5	4.8
	16	4.9	4.0	5.8	4.4	6.7	4.9	7.1	5.1	7.4	5.0	7.9	5.0	8.4	4.7
	18	4.9	4.0	5.8	4.4	6.7	4.9	7.1	5.1	7.4	5.0	7.9	5.0	8.4	4.7
	20	4.9	4.0	5.8	4.4	6.7	4.9	7.1	5.1	7.4	5.0	7.9	5.0	8.4	4.7
	21	4.9	4.0	5.8	4.4	6.7	4.9	7.1	5.1	7.4	5.0	7.9	5.0	8.4	4.7
	23	4.9	4.0	5.8	4.4	6.7	4.9	7.1	5.1	7.4	5.0	7.9	5.0	8.4	4.7
	25	4.9	4.0	5.8	4.4	6.7	4.9	7.1	5.1	7.4	5.0	7.9	5.0	8.4	4.7
	27	4.9	4.0	5.8	4.4	6.7	4.9	7.1	5.1	7.4	5.0	7.9	5.0	8.4	4.7
	29	4.9	4.0	5.8	4.4	6.7	4.9	7.1	5.1	7.4	5.0	7.9	5.0	8.4	4.7
	31	4.9	4.0	5.8	4.4	6.7	4.9	7.1	5.1	7.4	5.0	7.9	5.0	8.4	4.7
	33	4.9	4.0	5.8	4.4	6.7	4.9	7.1	5.1	7.4	5.0	7.9	5.0	8.4	4.7
	35	4.9	4.0	5.8	4.4	6.7	4.9	7.1	5.1	7.4	5.0	7.9	5.0	8.4	4.7
	37	4.9	4.0	5.8	4.4	6.7	4.9	7.1	5.1	7.3	4.9	7.8	4.9	8.2	4.6
	39	4.9	4.0	5.8	4.4	6.7	4.9	7.1	5.1	7.3	4.9	7.7	4.8	8.1	4.5
	42	4.9	4.0	5.8	4.4	6.7	4.9	6.9	4.9	7.0	4.7	7.3	4.5	7.6	4.3
44	4.9	4.0	5.8	4.4	6.3	4.7	6.7	4.8	6.8	4.6	7.0	4.4	7.1	4.1	
46	4.9	3.9	5.7	4.2	5.8	4.2	6.2	4.3	6.46	4.2	6.7	4.0	6.7	3.7	

2) Heating

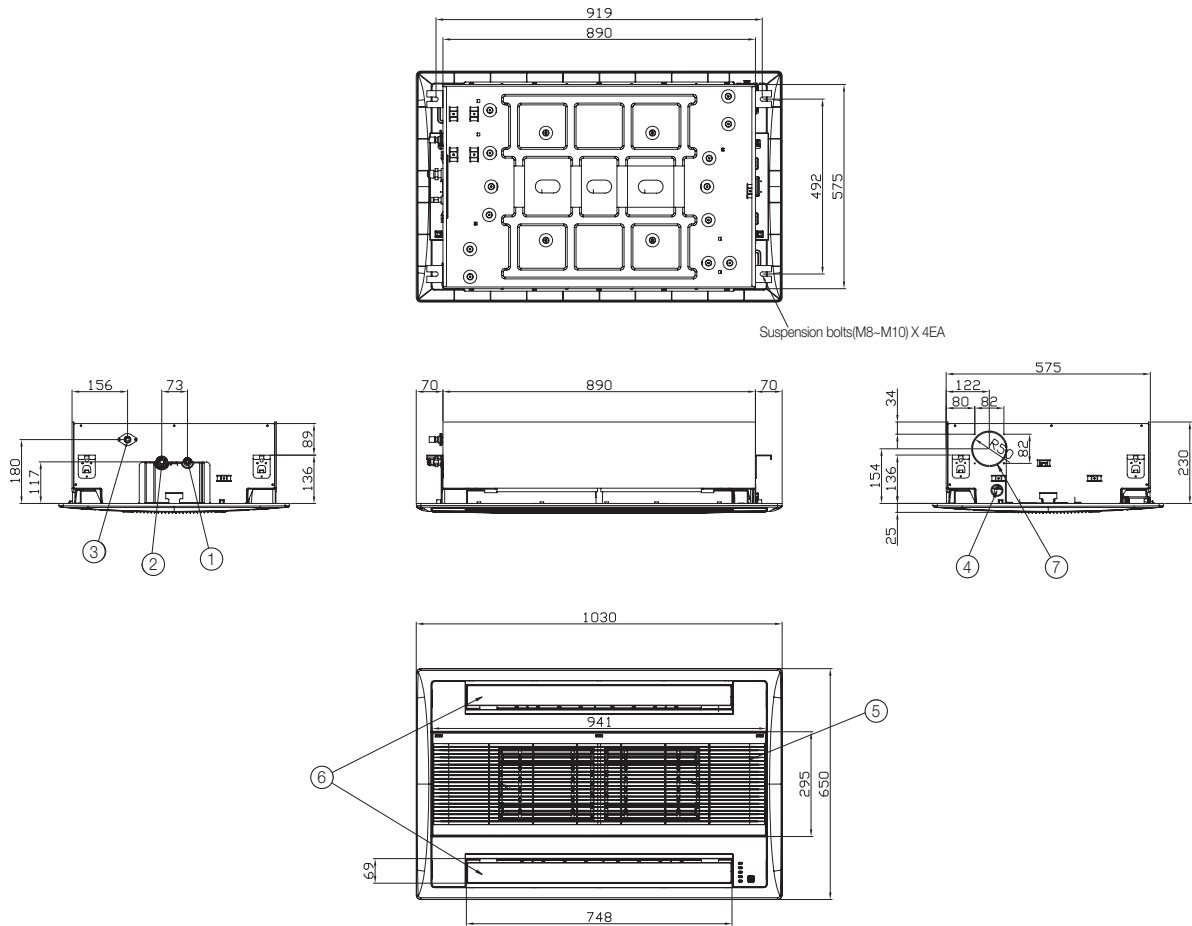
TC : Total Capacity(kW)

Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)										
			16.0		18.0		20.0		22.0		24.0		
			TC		TC		TC		TC		TC		
	DB	WB	kW		kW		kW		kW		kW		
056	-20	-21	3.9	3.8		3.8		3.7		3.7		3.7	
	-17	-18	4.0	4.0		3.9		3.8		3.8		3.8	
	-15	-16	4.2	4.1		4.0		3.9		3.8		3.8	
	-12	-13	4.4	4.3		4.2		4.2		4.1		4.1	
	-10	-11	4.6	4.6		4.5		4.4		4.4		4.4	
	-7	-8	4.9	4.8		4.8		4.7		4.5		4.5	
	-5	-6	5.2	5.1		5.0		4.9		4.7		4.7	
	-3	-4	5.4	5.3		5.3		5.1		4.9		4.9	
	0	-1	5.7	5.6		5.5		5.3		5.0		5.0	
	3	2.2	5.9	5.9		5.8		5.6		5.3		5.3	
	5	4.1	6.2	6.1		6.0		5.7		5.3		5.3	
	7	6	6.5	6.4		6.3		5.8		5.3		5.3	
	9	7.9	6.7	6.5		6.3		5.8		5.3		5.3	
	11	9.8	6.9	6.6		6.3		5.8		5.3		5.3	
	13	12	7.1	6.7		6.3		5.8		5.3		5.3	
15	14	7.3	6.8		6.3		5.8		5.3		5.3		
071	-20	-21	4.9	4.9		4.8		4.7		4.7		4.7	
	-17	-18	5.1	5.0		4.9		4.8		4.8		4.8	
	-15	-16	5.3	5.2		5.1		4.9		4.8		4.8	
	-12	-13	5.6	5.5		5.4		5.3		5.2		5.2	
	-10	-11	5.9	5.8		5.7		5.6		5.6		5.6	
	-7	-8	6.2	6.1		6.0		5.9		5.8		5.8	
	-5	-6	6.5	6.5		6.4		6.2		6.0		6.0	
	-3	-4	6.9	6.8		6.7		6.4		6.2		6.2	
	0	-1	7.2	7.1		7.0		6.7		6.4		6.4	
	3	2.2	7.6	7.5		7.3		7.1		6.8		6.8	
	5	4.1	7.9	7.8		7.7		7.2		6.8		6.8	
	7	6	8.2	8.1		8.0		7.4		6.8		6.8	
	9	7.9	8.5	8.2		8.0		7.4		6.8		6.8	
	11	9.8	8.7	8.4		8.0		7.4		6.8		6.8	
	13	12	9.0	8.5		8.0		7.4		6.8		6.8	
15	14	9.2	8.6		8.0		7.4		6.8		6.8		

2 2 way cassette

2-3. Dimensional drawing

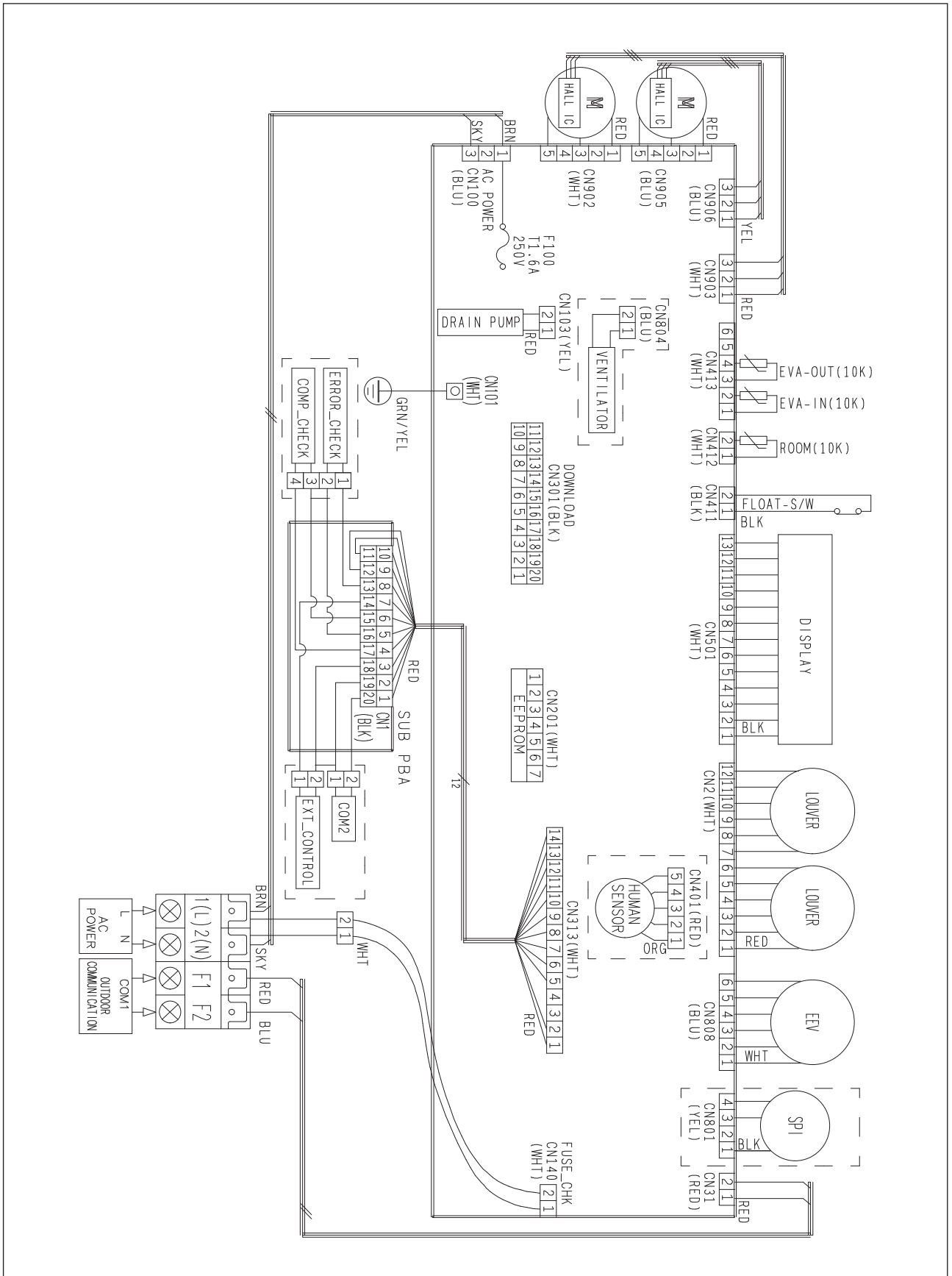
Unit:mm



No.	Name	Description	
		5.6kW	7.1kW
①	Liquid pipe connection	Ø6.35 Flare	Ø9.52 Flare
②	Gas pipe connection	Ø12.70 Flare	Ø15.88 Flare
③	Drain pipe connection	VP25 (OD 32, ID 25)	
④	Conduit for power supply & communication wiring	-	
⑤	Air inlet grille	-	
⑥	Air outlet louver	-	
⑦	Fresh air intake	-	

2 2 way cassette

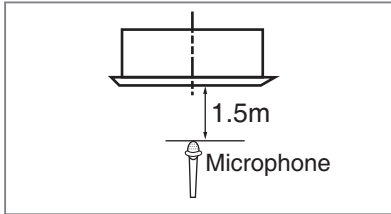
2-4. Electrical wiring diagram



2 2 way cassette

2-5. Sound pressure level

1) Operation sound level



Unit : dB(A)

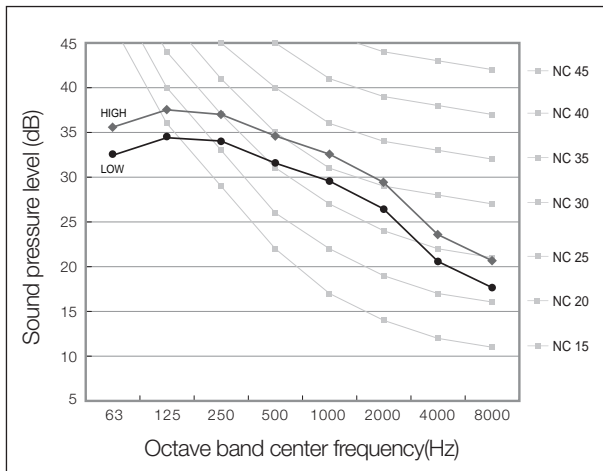
Model	High	Low
AM056FN2DEH/TK	38	35
AM071FN2DEH/TK	41	37

Note

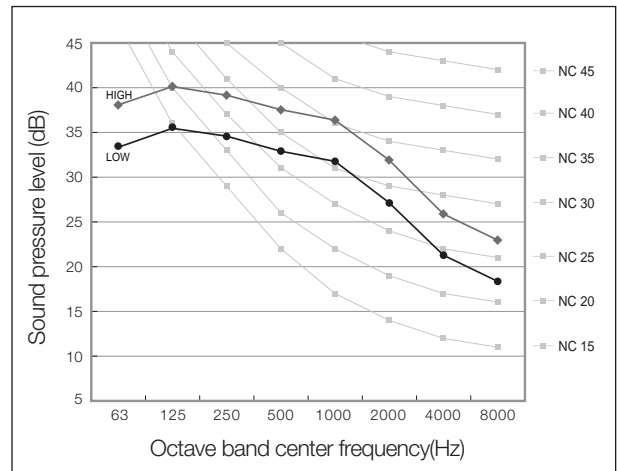
- ◆ These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ depending on operation and ambient conditions.

2) NC curves

(1) AM056FN2DEH/TK



(2) AM071FN2DEH/TK



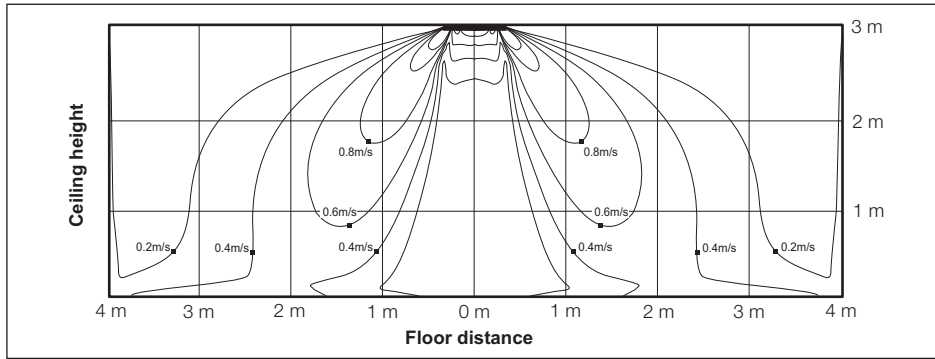
2 2 way cassette

2-6. Temperature and air flow distribution

1) AM071FN2DEH***

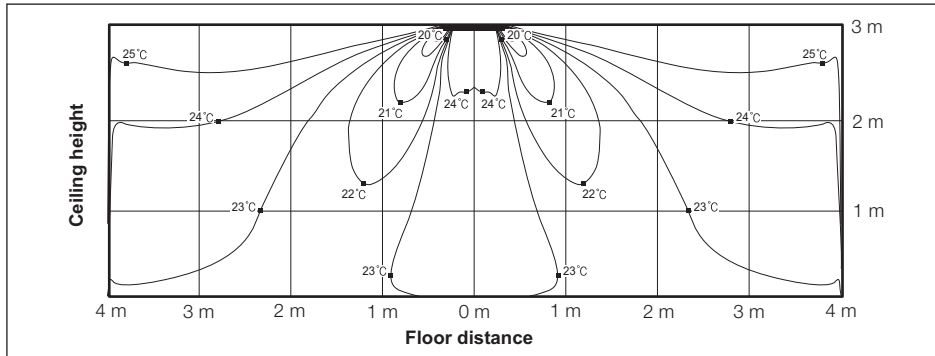
(1) Cooling air velocity distribution

◆ Discharge angle : 54°



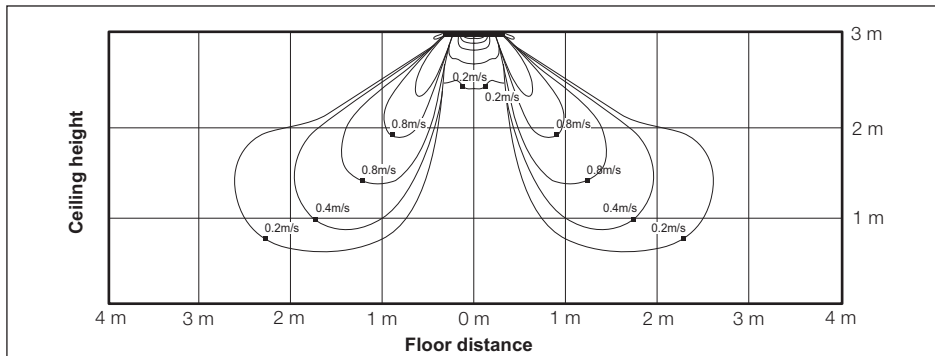
(2) Cooling temperature distribution

◆ Discharge angle : 54°



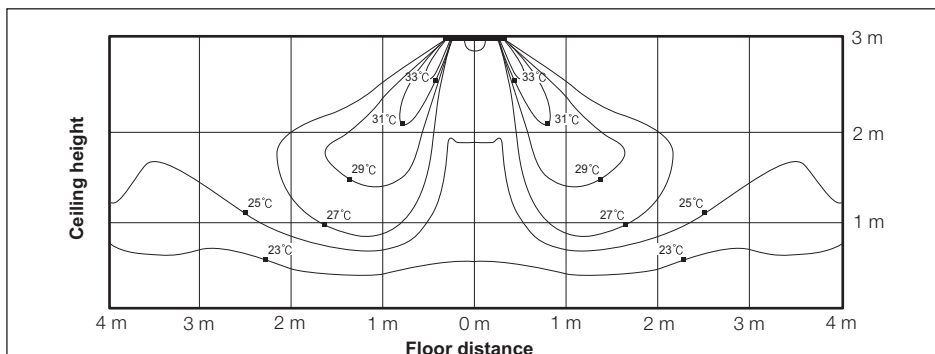
(3) Heating air velocity distribution

◆ Discharge angle : 54°



(4) Heating temperature distribution

◆ Discharge angle : 54°



3 4 way cassette (600 x 600)

- 3-1. Specifications
- 3-2. Capacity tables
- 3-3. Dimensional drawing
- 3-4. Electrical wiring diagram
- 3-5. Sound pressure level
- 3-6. Temperature and air flow distribution

3 4 way cassette (600x600)

3-1. Specifications

Model				AM022FNNDEH/TK	AM028FNNDEH/TK	AM036FNNDEH/TK
Power Supply		Ø, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode ^{*1)}			-	HP	HP	HP
Performance	Capacity (Nominal)	Cooling ^{*2)}	kW	2.20	2.80	3.60
			Btu/h	7,500	9,600	12,300
	Heating ^{*3)}	kW	2.50	3.20	4.00	
		Btu/h	8,500	10,900	13,600	
Power	Power Input (Nominal)	Cooling ^{*2)}	W	18.00	18.00	20.00
				Heating ^{*3)}	18.00	18.00
	Current Input (Nominal)	Cooling ^{*2)}	A	0.17	0.17	0.19
				Heating ^{*3)}	0.17	0.17
Fan	Motor	Type	-	Turbo Fan	Turbo Fan	Turbo Fan
		Output x n	W	65 x 1	65 x 1	65 x 1
	Air Flow Rate	H/M/L (UL)	CMM	9.00/7.70/6.50	10.00/8.50/7.50	10.50/9.50/8.00
			l/s	150.00/128.33/108.33	166.67/141.67/125.00	175.00/158.33/133.33
	External Pressure	Mid/Std/Max	mmAq	-	-	-
			Pa	-	-	-
Option Code			-	01504F-1970E8-201616-330000	01504F-19540A-201C1C-330000	01504F-19342C-202424-330000
Piping Connections	Liquid Pipe	Ø, mm	6.35	6.35	6.35	
		Ø, inch	1/4	1/4	1/4	
	Gas Pipe	Ø, mm	12.70	12.70	12.70	
		Ø, inch	1/2	1/2	1/2	
Drain Pipe	Ø, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)		
Field Wiring	Power Source Wire	mm ²	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	
	Transmission Cable	mm ²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	
Refrigerant	Type	-	R410A	R410A	R410A	
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	
Sound	Sound pressure	High / Mid / Low ^{*4)}	dBA	32 / 29 / 26	33 / 30 / 26	36 / 33 / 30
Dimensions	Net Weight		kg	12.00	12.00	12.00
	Shipping Weight		kg	14.00	14.00	14.00
	Net Dimensions (WxHxD)		mm	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
	Shipping Dimensions (WxHxD)		mm	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653
Panel Size	Panel Model		-	PC4SUSMAN	PC4SUSMAN	PC4SUSMAN
	Panel Net Weight		kg	2.70	2.70	2.70
	Shipping Weight		kg	4.20	4.20	4.20
	Net Dimensions (WxHxD)		mm	670 x 45 x 670	670 x 45 x 670	670 x 45 x 670
	Shipping Dimensions (WxHxD)		mm	714 x 106 x 724	714 x 106 x 724	714 x 106 x 724
Additional Accessories	Drain Pump	Drain Pump	- / Model	Built-in	Built-in	Built-in
		Max. Lifting Height/ Displacement	mm/liter/h	750/24	750/24	750/24
	Air Filter		-		Long life filter	Long life filter

* Specifications may be subject to change without prior notice for product improvement.

*1) Mode

- HP : Heat Pump

*2) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

3 4 way cassette (600x600)

3-1. Specifications

Model				AM045FNNDEH/TK	AM056FNNDEH/TK	AM060FNNDEH/TK
Power Supply		Ø, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode* ¹⁾				HP	HP	HP
Performance	Capacity (Nominal)	Cooling* ²⁾	kW	4.50	5.60	6.00
			Btu/h	15,400	19,100	20,500
		Heating* ³⁾	kW	5.00	6.30	6.80
			Btu/h	17,100	21,500	23,200
Power	Power Input (Nominal)	Cooling* ²⁾	W	23.00	28.00	31.00
		Heating* ³⁾		23.00	28.00	31.00
	Current Input (Nominal)	Cooling* ²⁾	A	0.22	0.27	0.30
		Heating* ³⁾		0.22	0.27	0.30
Fan	Motor	Type	-	Turbo Fan	Turbo Fan	Turbo Fan
		Output x n	W	65 x 1	65 x 1	65 x 1
	Air Flow Rate	H/M/L (UL)	CMM	11.50/10.20/9.00	13.00/11.00/9.50	13.50/12.00/10.20
			l/s	191.67/170.00/150.00	216.67/183.33/158.33	225.00/200.00/170.00
	External Pressure	Mid/Std/Max	mmAq	-	-	-
			Pa	-	-	-
Option Code				01504F-19544E-202D2D-330000	01504F-19547F-203838-330000	01504F-195591-203C3C-330000
Piping Connections	Liquid Pipe	Ø, mm	6.35	6.35	6.35	
		Ø, inch	1/4	1/4	1/4	
	Gas Pipe	Ø, mm	12.70	12.70	12.70	
		Ø, inch	1/2	1/2	1/2	
Drain Pipe	Ø, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)		
Field Wiring	Power Source Wire	mm ²	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	
	Transmission Cable	mm ²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	
Refrigerant	Type	-	R410A	R410A	R410A	
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	
Sound	Sound pressure	High / Mid / Low* ⁴⁾	dBA	36 / 34 / 32	39 / 36 / 33	40 / 38 / 35
Dimensions	Net Weight		kg	12.00	12.00	12.00
	Shipping Weight		kg	14.00	14.00	14.00
	Net Dimensions (WxHxD)		mm	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
	Shipping Dimensions (WxHxD)		mm	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653
Panel Size	Panel Model		-	PC4SUSMAN	PC4SUSMAN	PC4SUSMAN
	Panel Net Weight		kg	2.70	2.70	2.70
	Shipping Weight		kg	4.20	4.20	4.20
	Net Dimensions (WxHxD)		mm	670 x 45 x 670	670 x 45 x 670	670 x 45 x 670
	Shipping Dimensions (WxHxD)		mm	714 x 106 x 724	714 x 106 x 724	714 x 106 x 724
Additional Accessories	Drain Pump	Drain Pump	- / Model	Built-in	Built-in	Built-in
		Max. Lifting Height/ Displacement	mm/liter/h	750/24	750/24	750/24
	Air Filter		-		Long life filter	Long life filter

* Specifications may be subject to change without prior notice for product improvement.

*1) Mode

- HP : Heat Pump

*2) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

3 4 way cassette (600x600)

3-2. Capacity tables

1) Cooling

TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)													
		20 (°C, DB)		23 (°C, DB)		26 (°C, DB)		27 (°C, DB)		28 (°C, DB)		30 (°C, DB)		32 (°C, DB)	
		14 (°C, WB)		16 (°C, WB)		18 (°C, WB)		19 (°C, WB)		20 (°C, WB)		22 (°C, WB)		24 (°C, WB)	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
022	10	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.5	2.5	1.6	2.6	1.4
	12	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.5	2.5	1.6	2.6	1.4
	14	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.5	2.5	1.6	2.6	1.4
	16	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	18	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	20	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	21	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	23	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	25	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	27	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	29	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	31	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	33	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	35	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
37	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4	
39	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.5	1.3	
028	10	1.9	1.7	2.3	1.8	2.6	2.0	2.8	2.0	2.9	2.0	3.1	2.0	3.4	1.9
	12	1.9	2.0	2.3	2.1	2.6	2.0	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.8
	14	1.9	2.0	2.3	2.1	2.6	2.0	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.8
	16	1.9	2.0	2.3	2.1	2.6	2.0	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.8
	18	1.9	2.0	2.3	2.1	2.6	2.0	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.8
	20	1.9	2.0	2.3	2.1	2.6	2.0	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.8
	21	1.9	2.0	2.3	2.1	2.6	2.0	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.8
	23	1.9	2.0	2.3	2.1	2.6	2.0	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.8
	25	1.9	2.0	2.3	2.1	2.6	2.0	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.8
	27	1.9	2.0	2.3	2.1	2.6	2.0	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.8
	29	1.9	2.0	2.3	2.1	2.6	2.0	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.8
	31	1.9	2.0	2.3	2.1	2.6	2.0	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.8
	33	1.9	2.0	2.3	2.1	2.6	2.0	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.8
	35	1.9	2.0	2.3	2.1	2.6	2.0	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.8
37	1.9	2.0	2.3	2.1	2.6	2.0	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.8	
39	1.9	2.0	2.3	2.1	2.6	2.0	2.8	2.0	2.9	1.9	3.0	1.9	3.2	1.8	
42	1.9	2.0	2.3	2.1	2.6	2.0	2.7	1.9	2.8	1.9	2.9	1.8	3.0	1.7	
44	1.9	2.0	2.3	2.1	2.5	1.9	2.7	1.9	2.7	1.8	2.7	1.7	2.8	1.6	
46	1.9	2.0	2.3	2.0	2.2	1.6	2.4	1.6	2.6	1.7	2.6	1.6	2.6	1.5	
036	10	2.5	2.1	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.3	2.3
	12	2.5	2.1	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.3	2.3
	14	2.5	2.1	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.3	2.3
	16	2.5	2.1	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.3	2.3
	18	2.5	2.1	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.3	2.3
	20	2.5	2.1	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	21	2.5	2.1	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	23	2.5	2.1	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	25	2.5	2.1	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	27	2.5	2.1	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	29	2.5	2.1	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	31	2.5	2.1	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	33	2.5	2.1	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	35	2.5	2.1	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
37	2.5	2.1	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	3.9	2.4	4.2	2.3	
39	2.5	2.1	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	3.9	2.4	4.1	2.2	
42	2.5	2.1	2.9	2.2	3.4	2.4	3.5	2.4	3.6	2.4	3.7	2.3	3.9	2.1	
44	2.5	2.1	2.9	2.2	3.2	2.3	3.4	2.3	3.5	2.3	3.5	2.2	3.6	2.0	
46	2.5	2.0	2.9	2.1	3.0	2.0	3.1	2.0	3.3	2.1	3.3	2.0	3.4	1.8	

3 4 way cassette (600x600)

3-2. Capacity tables

1) Cooling

TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)													
		20 (°C, DB)		23 (°C, DB)		26 (°C, DB)		27 (°C, DB)		28 (°C, DB)		30 (°C, DB)		32 (°C, DB)	
		14 (°C, WB)		16 (°C, WB)		18 (°C, WB)		19 (°C, WB)		20 (°C, WB)		22 (°C, WB)		24 (°C, WB)	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
045	10	3.1	2.7	3.7	2.8	4.2	3.0	4.5	3.1	4.7	3.1	5.0	3.1	5.4	2.9
	12	3.1	2.7	3.7	2.8	4.2	3.0	4.5	3.1	4.7	3.1	5.0	3.1	5.4	2.9
	14	3.1	2.7	3.7	2.8	4.2	3.0	4.5	3.1	4.7	3.1	5.0	3.1	5.4	2.9
	16	3.1	2.7	3.7	2.8	4.2	3.0	4.5	3.1	4.7	3.1	5.0	3.1	5.3	2.8
	18	3.1	2.7	3.7	2.8	4.2	3.0	4.5	3.1	4.7	3.1	5.0	3.1	5.3	2.8
	20	3.1	2.7	3.7	2.8	4.2	3.0	4.5	3.1	4.7	3.1	5.0	3.1	5.3	2.8
	21	3.1	2.7	3.7	2.8	4.2	3.0	4.5	3.1	4.7	3.1	5.0	3.1	5.3	2.8
	23	3.1	2.7	3.7	2.8	4.2	3.0	4.5	3.1	4.7	3.1	5.0	3.1	5.3	2.8
	25	3.1	2.7	3.7	2.8	4.2	3.0	4.5	3.1	4.7	3.1	5.0	3.1	5.3	2.8
	27	3.1	2.7	3.7	2.8	4.2	3.0	4.5	3.1	4.7	3.1	5.0	3.1	5.3	2.8
	29	3.1	2.7	3.7	2.8	4.2	3.0	4.5	3.1	4.7	3.1	5.0	3.1	5.3	2.8
	31	3.1	2.7	3.7	2.8	4.2	3.0	4.5	3.1	4.7	3.1	5.0	3.1	5.3	2.8
	33	3.1	2.7	3.7	2.8	4.2	3.0	4.5	3.1	4.7	3.1	5.0	3.1	5.3	2.8
	35	3.1	2.7	3.7	2.8	4.2	3.0	4.5	3.1	4.7	3.1	5.0	3.1	5.3	2.8
	37	3.1	2.7	3.7	2.8	4.2	3.0	4.5	3.1	4.6	3.0	4.9	3.0	5.2	2.7
	39	3.1	2.7	3.7	2.8	4.2	3.0	4.5	3.1	4.6	3.0	4.9	3.0	5.1	2.6
42	3.1	2.7	3.7	3.1	4.3	3.4	4.3	3.4	4.5	3.4	4.7	3.2	4.8	3.0	
44	3.1	2.7	3.7	3.1	4.0	3.3	4.2	3.3	4.3	3.3	4.4	3.1	4.5	2.8	
46	3.1	2.7	3.7	3.0	3.8	3.0	4.0	3.0	4.1	3.0	4.2	2.9	4.2	2.6	
056	10	3.9	3.3	4.6	3.8	5.3	4.1	5.6	4.2	5.8	4.2	6.3	4.3	6.7	4.1
	12	3.9	3.3	4.6	3.8	5.3	4.1	5.6	4.2	5.8	4.2	6.3	4.3	6.7	4.1
	14	3.9	3.3	4.6	3.8	5.3	4.1	5.6	4.2	5.8	4.2	6.2	4.2	6.7	4.0
	16	3.9	3.3	4.6	3.8	5.3	4.1	5.6	4.2	5.8	4.2	6.2	4.2	6.6	4.0
	18	3.9	3.3	4.6	3.8	5.3	4.1	5.6	4.2	5.8	4.2	6.2	4.2	6.6	4.0
	20	3.9	3.3	4.6	3.8	5.3	4.1	5.6	4.2	5.8	4.2	6.2	4.2	6.6	4.0
	21	3.9	3.3	4.6	3.8	5.3	4.1	5.6	4.2	5.8	4.2	6.2	4.2	6.6	4.0
	23	3.9	3.3	4.6	3.8	5.3	4.1	5.6	4.2	5.8	4.2	6.2	4.2	6.6	4.0
	25	3.9	3.3	4.6	3.8	5.3	4.1	5.6	4.2	5.8	4.2	6.2	4.2	6.6	4.0
	27	3.9	3.3	4.6	3.8	5.3	4.1	5.6	4.2	5.8	4.2	6.2	4.2	6.6	4.0
	29	3.9	3.3	4.6	3.8	5.3	4.1	5.6	4.2	5.8	4.2	6.2	4.2	6.6	4.0
	31	3.9	3.3	4.6	3.8	5.3	4.1	5.6	4.2	5.8	4.2	6.2	4.2	6.6	4.0
	33	3.9	3.3	4.6	3.8	5.3	4.1	5.6	4.2	5.8	4.2	6.2	4.2	6.6	4.0
	35	3.9	3.3	4.6	3.8	5.3	4.1	5.6	4.2	5.8	4.2	6.2	4.2	6.6	4.0
	37	3.9	3.3	4.6	3.8	5.3	4.1	5.6	4.2	5.8	4.2	6.1	4.1	6.5	3.9
	39	3.9	3.3	4.6	3.8	5.3	4.1	5.6	4.2	5.8	4.2	6.1	4.1	6.4	3.8
42	3.9	3.3	4.6	3.8	5.3	4.1	5.4	4.1	5.6	4.1	5.8	3.9	6.0	3.6	
44	3.9	3.3	4.6	3.8	5.0	4.0	5.3	4.0	5.4	4.0	5.5	3.8	5.6	3.4	
46	3.9	3.2	4.6	3.7	4.7	6.7	5.0	3.7	5.1	3.7	5.2	3.5	5.3	3.1	
060	10	4.1	3.5	4.9	4.0	5.6	4.5	6.0	4.5	6.2	4.5	6.7	4.6	7.2	4.4
	12	4.1	3.5	4.9	4.0	5.6	4.5	6.0	4.5	6.2	4.5	6.7	4.6	7.2	4.4
	14	4.1	3.5	4.9	4.0	5.6	4.5	6.0	4.5	6.2	4.5	6.7	4.6	7.1	4.3
	16	4.1	3.5	4.9	4.0	5.6	4.5	6.0	4.5	6.2	4.5	6.7	4.6	7.1	4.3
	18	4.1	3.5	4.9	4.0	5.6	4.5	6.0	4.5	6.2	4.5	6.7	4.6	7.1	4.3
	20	4.1	3.5	4.9	4.0	5.6	4.5	6.0	4.5	6.2	4.5	6.6	4.5	7.1	4.3
	21	4.1	3.5	4.9	4.0	5.6	4.5	6.0	4.5	6.2	4.5	6.6	4.5	7.1	4.3
	23	4.1	3.5	4.9	4.0	5.6	4.5	6.0	4.5	6.2	4.5	6.6	4.5	7.1	4.3
	25	4.1	3.5	4.9	4.0	5.6	4.5	6.0	4.5	6.2	4.5	6.6	4.5	7.1	4.3
	27	4.1	3.5	4.9	4.0	5.6	4.5	6.0	4.5	6.2	4.5	6.6	4.5	7.1	4.3
	29	4.1	3.5	4.9	4.0	5.6	4.5	6.0	4.5	6.2	4.5	6.6	4.5	7.1	4.3
	31	4.1	3.5	4.9	4.0	5.6	4.5	6.0	4.5	6.2	4.5	6.6	4.5	7.1	4.3
	33	4.1	3.5	4.9	4.0	5.6	4.5	6.0	4.5	6.2	4.5	6.6	4.5	7.1	4.3
	35	4.1	3.5	4.9	4.0	5.6	4.5	6.0	4.5	6.2	4.5	6.6	4.5	7.1	4.3
	37	4.1	3.5	4.9	4.0	5.6	4.5	6.0	4.5	6.2	4.5	6.6	4.5	7.0	4.2
	39	4.1	3.5	4.9	4.0	5.6	4.5	6.0	4.5	6.2	4.5	6.5	4.4	6.8	4.1
42	4.1	3.5	4.9	4.0	5.6	4.5	5.8	4.4	6.1	4.4	6.3	4.3	6.4	3.8	
44	4.1	3.5	4.9	4.0	5.4	4.4	5.7	4.3	5.8	4.3	5.9	4.2	6.0	3.6	
46	4.1	3.4	4.9	3.9	5.0	4.0	5.3	3.9	5.5	4.0	5.6	3.9	5.6	3.2	

3 4 way cassette (600x600)

3-2. Capacity tables

2) Heating

TC : Total Capacity(kW)

Model	Outdoor temperature (°C, DB)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC	TC	TC	TC	TC
022	-20	-21	1.5	1.5	1.5	1.5	1.5
	-17	-18	1.6	1.6	1.6	1.6	1.6
	-15	-16	1.7	1.6	1.6	1.6	1.6
	-12	-13	1.8	1.8	1.8	1.8	1.7
	-10	-11	2.0	2.0	1.9	1.9	1.9
	-7	-8	2.3	2.2	2.2	2.0	2.0
	-5	-6	2.4	2.3	2.3	2.2	2.2
	-3	-4	2.5	2.5	2.4	2.3	2.2
	0	-1	2.6	2.5	2.5	2.3	2.2
	3	2.2	2.7	2.6	2.5	2.3	2.2
	5	4.1	2.8	2.7	2.5	2.3	2.2
	7	6	2.8	2.7	2.5	2.3	2.2
	9	7.9	3.0	2.7	2.5	2.3	2.2
	11	9.8	3.0	2.7	2.5	2.3	2.2
	13	12	3.0	2.7	2.5	2.3	2.2
15	14	3.0	2.7	2.5	2.3	2.2	
028	-20	-21	1.9	1.9	1.9	1.9	1.9
	-17	-18	2.0	2.0	2.0	2.0	1.9
	-15	-16	2.1	2.1	2.0	2.0	1.9
	-12	-13	2.2	2.2	2.2	2.1	2.1
	-10	-11	2.3	2.3	2.3	2.3	2.2
	-7	-8	2.5	2.4	2.4	2.4	2.3
	-5	-6	2.6	2.6	2.5	2.5	2.4
	-3	-4	2.8	2.7	2.7	2.6	2.5
	0	-1	2.9	2.8	2.8	2.7	2.6
	3	2.2	3.0	3.0	2.9	2.8	2.7
	5	4.1	3.2	3.1	3.1	2.9	2.7
	7	6	3.3	3.2	3.2	3.0	2.7
	9	7.9	3.4	3.3	3.2	3.0	2.7
	11	9.8	3.5	3.3	3.2	3.0	2.7
	13	12	3.6	3.4	3.2	3.0	2.7
15	14	3.7	3.4	3.2	3.0	2.7	
036	-20	-21	2.4	2.4	2.3	2.3	2.3
	-17	-18	2.6	2.5	2.4	2.4	2.3
	-15	-16	2.7	2.6	2.5	2.5	2.4
	-12	-13	2.8	2.7	2.7	2.6	2.6
	-10	-11	2.9	2.9	2.9	2.8	2.8
	-7	-8	3.1	3.1	3.0	3.0	2.9
	-5	-6	3.3	3.2	3.2	3.1	3.0
	-3	-4	3.4	3.4	3.3	3.2	3.1
	0	-1	3.6	3.6	3.5	3.4	3.2
	3	2.2	3.8	3.7	3.7	3.5	3.4
	5	4.1	3.9	3.9	3.8	3.6	3.4
	7	6	4.1	4.1	4.0	3.7	3.4
	9	7.9	4.2	4.1	4.0	3.7	3.4
	11	9.8	4.4	4.2	4.0	3.7	3.4
	13	12	4.5	4.2	4.0	3.7	3.4
15	14	4.6	4.3	4.0	3.7	3.4	

3 4 way cassette (600x600)

3-2. Capacity tables

2) Heating

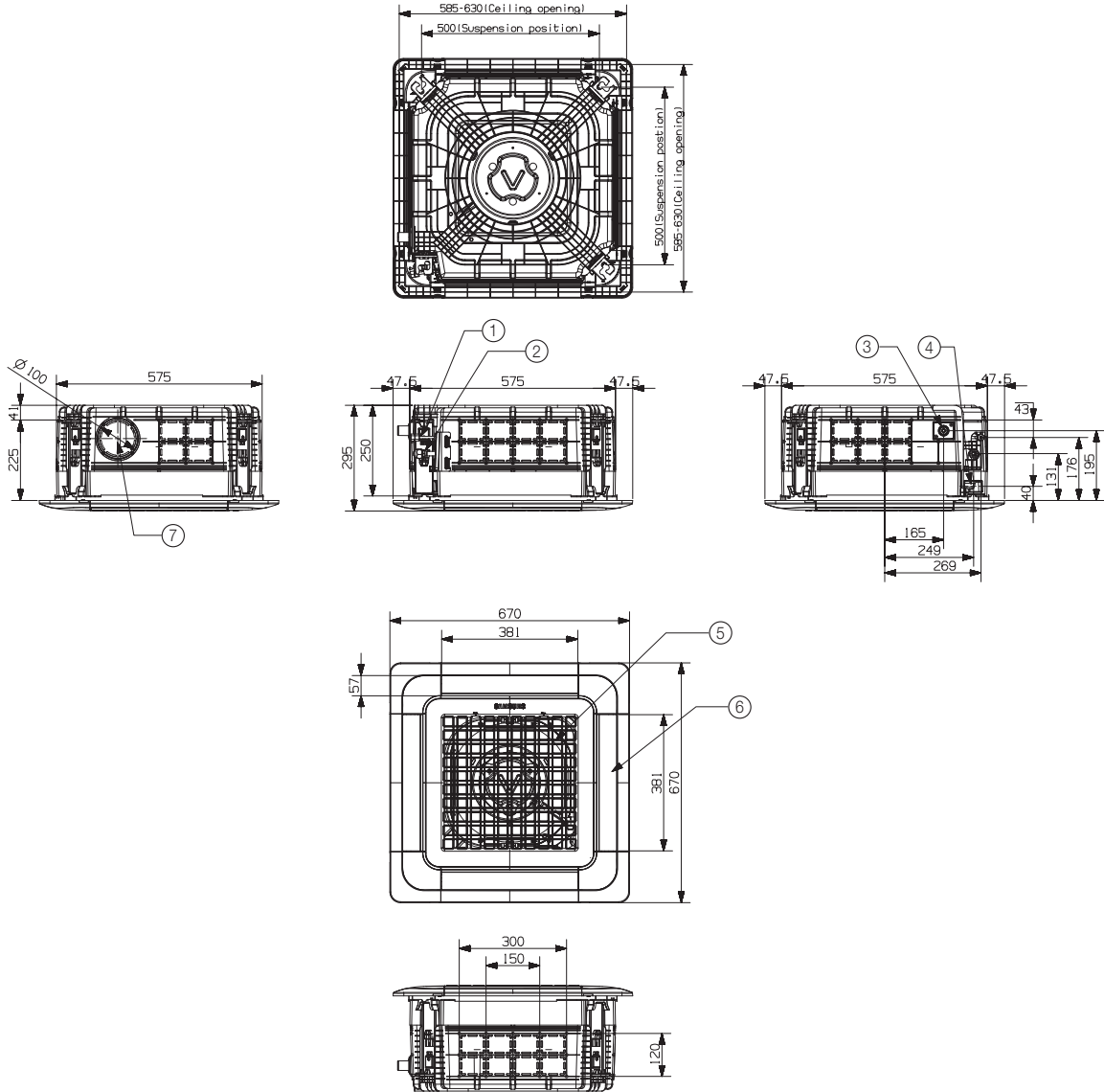
TC : Total Capacity(kW)

Model	Outdoor temperature (°C, DB)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC	TC	TC	TC	TC
045	-20	-21	3.1	3.1	2.9	2.9	2.9
	-17	-18	3.2	3.2	3.1	3.0	3.0
	-15	-16	3.3	3.3	3.2	3.1	3.0
	-12	-13	3.5	3.4	3.4	3.3	3.2
	-10	-11	3.7	3.6	3.6	3.5	3.5
	-7	-8	3.9	3.8	3.8	3.7	3.6
	-5	-6	4.1	4.0	4.0	3.9	3.7
	-3	-4	4.3	4.2	4.2	4.0	3.9
	0	-1	4.5	4.4	4.4	4.2	4.0
	3	2.2	4.7	4.7	4.6	4.4	4.2
	5	4.1	4.9	4.9	4.8	4.5	4.2
	7	6	5.1	5.1	5.0	4.6	4.2
	9	7.9	5.3	5.2	5.0	4.6	4.2
	11	9.8	5.5	5.2	5.0	4.6	4.2
	13	12	5.6	5.3	5.0	4.6	4.2
15	14	5.8	5.4	5.0	4.6	4.2	
056	-20	-21	3.9	3.8	3.8	3.7	3.7
	-17	-18	4.0	4.0	3.9	3.8	3.8
	-15	-16	4.2	4.1	4.0	3.9	3.8
	-12	-13	4.4	4.3	4.2	4.2	4.1
	-10	-11	4.6	4.6	4.5	4.4	4.4
	-7	-8	4.9	4.8	4.8	4.7	4.5
	-5	-6	5.2	5.1	5.0	4.9	4.7
	-3	-4	5.4	5.3	5.3	5.1	4.9
	0	-1	5.7	5.6	5.5	5.3	5.0
	3	2.2	5.9	5.9	5.8	5.6	5.3
	5	4.1	6.2	6.1	6.0	5.7	5.3
	7	6	6.5	6.4	6.3	5.8	5.3
	9	7.9	6.7	6.5	6.3	5.8	5.3
	11	9.8	6.9	6.6	6.3	5.8	5.3
	13	12	7.1	6.7	6.3	5.8	5.3
15	14	7.3	6.8	6.3	5.8	5.3	
060	-20	-21	4.4	4.3	4.2	4.2	4.2
	-17	-18	4.5	4.4	4.3	4.3	4.2
	-15	-16	4.7	4.6	4.4	4.3	4.2
	-12	-13	4.9	4.8	4.7	4.6	4.5
	-10	-11	5.1	5.1	5.0	4.9	4.9
	-7	-8	5.4	5.4	5.3	5.2	5.1
	-5	-6	5.7	5.6	5.6	5.4	5.2
	-3	-4	6.0	5.9	5.9	5.6	5.4
	0	-1	6.3	6.2	6.1	5.9	5.6
	3	2.2	6.6	6.5	6.4	6.2	5.9
	5	4.1	6.9	6.8	6.7	6.3	5.9
	7	6	7.2	7.1	6.8	6.5	5.9
	9	7.9	7.4	7.2	6.8	6.5	5.9
	11	9.8	7.6	7.3	6.8	6.5	5.9
	13	12	7.9	7.4	6.8	6.5	5.9
15	14	8.1	7.5	6.8	6.5	5.9	

3 4 way cassette (600x600)

3-3. Dimensional drawing

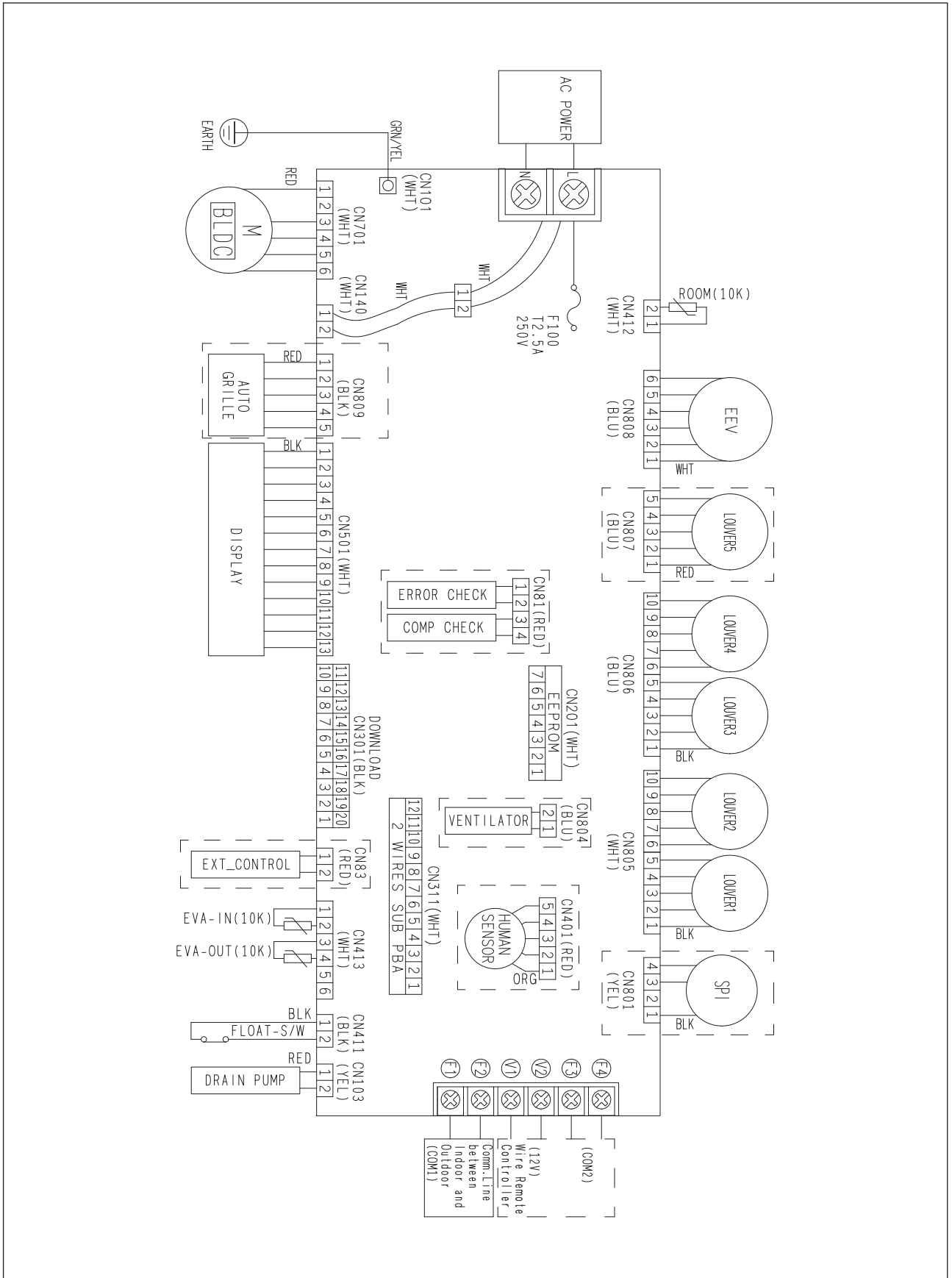
Unit:mm



No.	Name	Description
①	Liquid pipe connection	$\varnothing 6.35$ Flare
②	Gas pipe connection	$\varnothing 12.70$ Flare
③	Drain pipe connection	VP25 (OD 32, ID 25)
④	Conduit for power supply & communication wiring	-
⑤	Air inlet grille	-
⑥	Air outlet louver	-
⑦	Fresh air intake	$\varnothing 100$

3 4 way cassette (600x600)

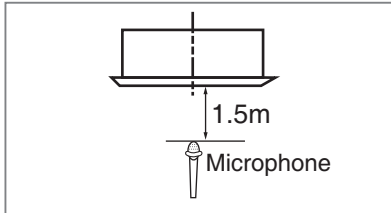
3-4 . Electrical wiring diagram



3 4 way cassette (600x600)

3-5. Sound pressure level

1) Operation sound level



Unit : dB(A)

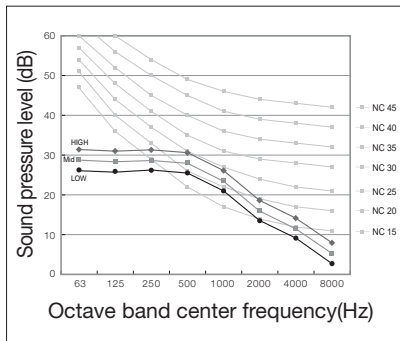
Model	High	Low
AM022FNNDEH/TK	32	26
AM028FNNDEH/TK	33	26
AM036FNNDEH/TK	36	30
AM045FNNDEH/TK	36	32
AM056FNNDEH/TK	39	33
AM060FNNDEH/TK	40	35

✓ Note

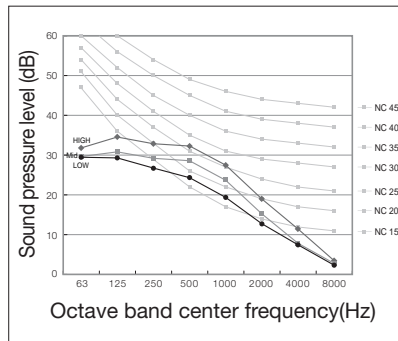
- ◆ These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ depending on operation and ambient conditions.

2) NC curves

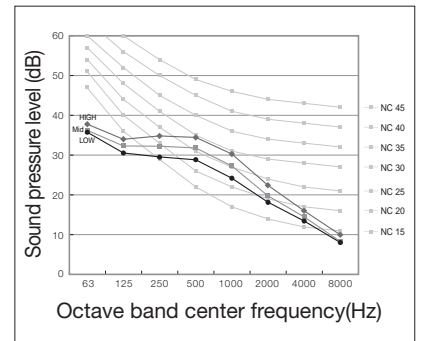
(1) AM022FNNDEH/TK



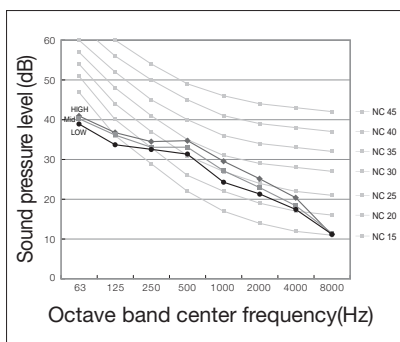
(2) AM028FNNDEH/TK



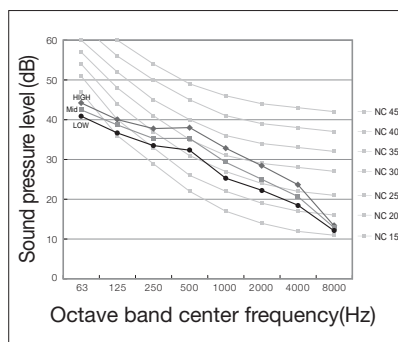
(3) AM036FNNDEH/TK



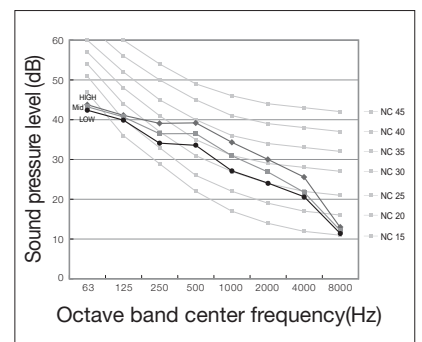
(4) AM045FNNDEH/TK



(5) AM056FNNDEH/TK



(6) AM060FNNDEH/TK



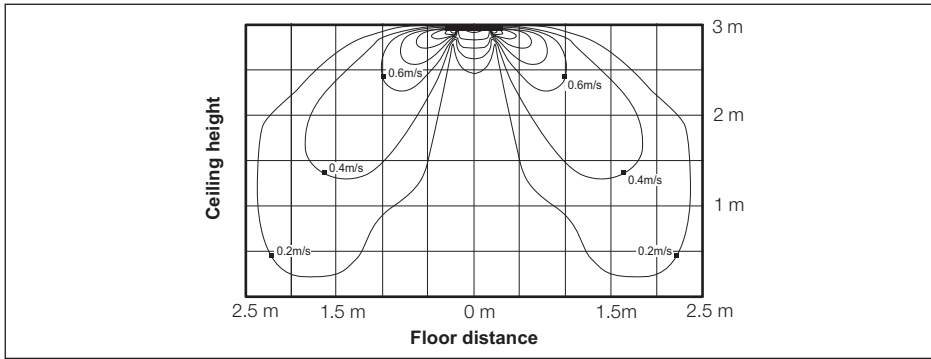
3 4 way cassette (600x600)

3-6. Temperature and air flow distribution

1) AM036FNDEH/TK

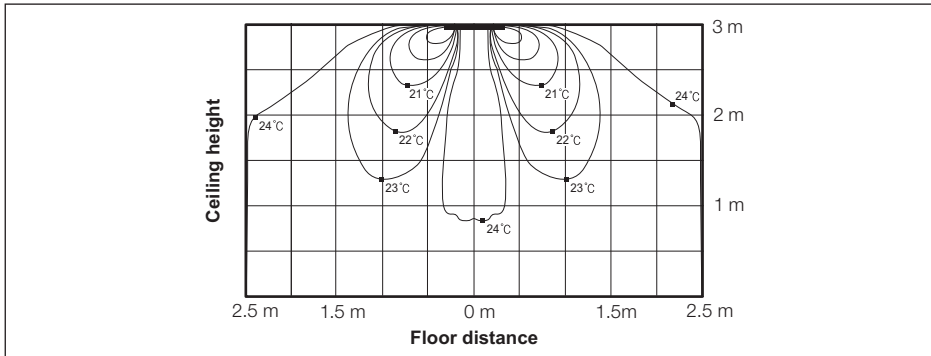
(1) Cooling air velocity distribution

◆ Discharge angle : 37°



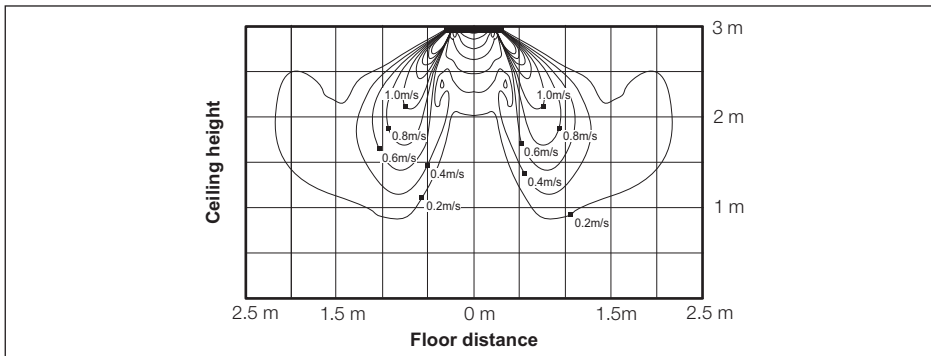
(2) Cooling temperature distribution

◆ Discharge angle : 37°



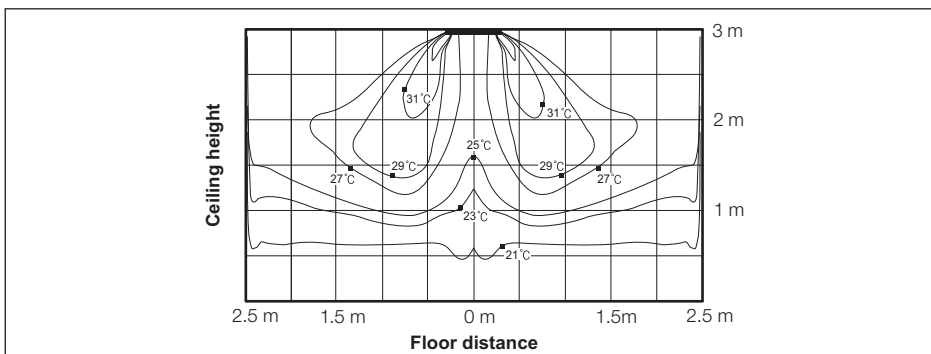
(3) Heating air velocity distribution

◆ Discharge angle : 49°



(4) Heating temperature distribution

◆ Discharge angle : 49°



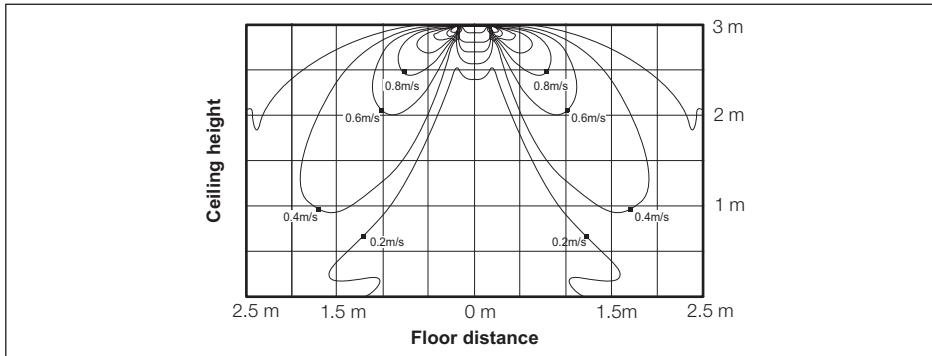
3 4 way cassette (600x600)

3-6. Temperature and air flow distribution

2) AM060FNDEH/TK

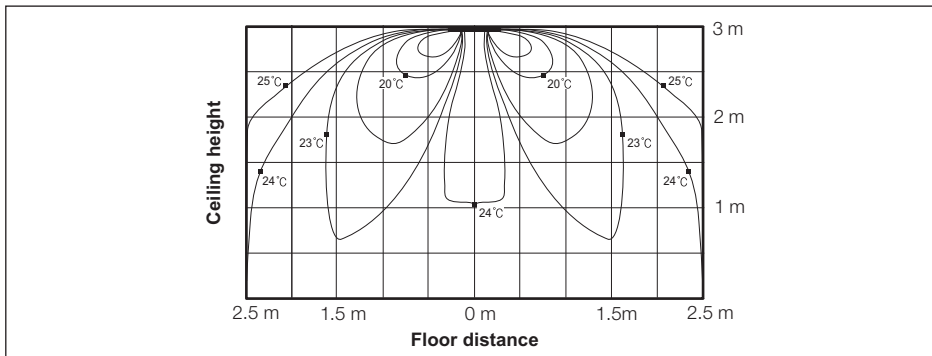
(1) Cooling air velocity distribution

◆ Discharge angle : 37°



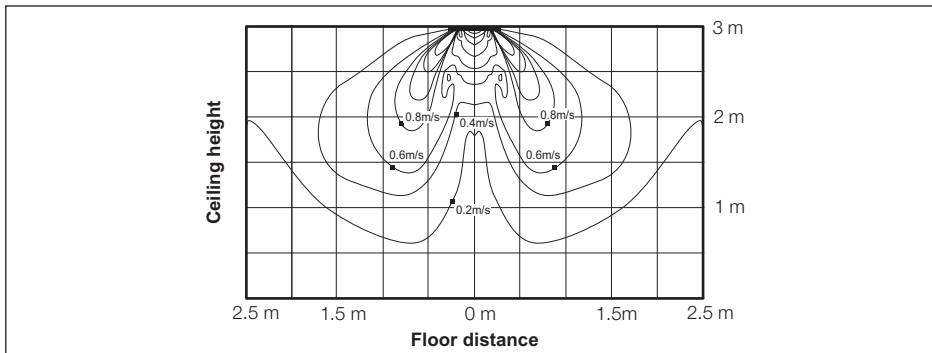
(2) Cooling temperature distribution

◆ Discharge angle : 37°



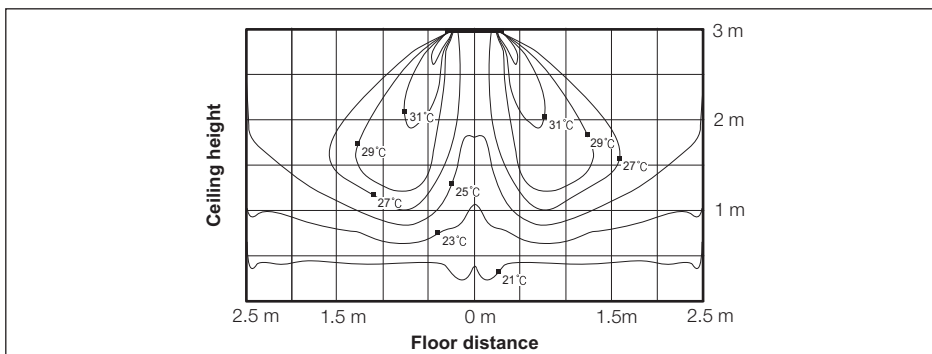
(3) Heating air velocity distribution

◆ Discharge angle : 49°



(4) Heating temperature distribution

◆ Discharge angle : 49°



4 4 way cassette

- 4-1. Specifications
- 4-2. Capacity tables
- 4-3. Dimensional drawing
- 4-4. Electrical wiring diagram
- 4-5. Sound pressure level
- 4-6. Temperature and air flow distribution

4 4 way cassette

4-1. Specifications

Model				AM045FN4DEH/TK	AM056FN4DEH/TK	AM071FN4DEH/TK	AM090FN4DEH/TK
Power Supply			Ø, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50
Mode*1)			-	HP	HP	HP	HP
Performance	Capacity (Nominal)	Cooling*2)	kW	4.5	5.6	7.1	9.0
			Btu/h	15,400	19,100	24,200	30,700
		Heating*3)	kW	5.0	6.3	8.0	10.0
			Btu/h	17,100	21,500	27,300	34,100
Power	Power Input (Nominal)	Cooling*2)	W	32	32	45	62
		Heating*3)		32	32	45	62
	Current Input (Nominal)	Cooling*2)	A	0.22	0.22	0.31	0.43
		Heating*3)		0.22	0.22	0.31	0.43
Fan	Motor	Type	-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
		Output	W				
		Number of unit	EA	1	1	1	1
	Air Flow Rate	H/M/L (UL)	CMM	14.50/13.50/12.50	15.00/14.00/13.00	17.00/15.50/14.50	19.50/18.00/16.50
			l/s	241.67/225.00/208.33	250.00/233.33/216.67	283.33/258.33/241.67	325.00/300.00/275.00
	External Pressure	Min / Std / Max	mmAq	-	-	-	-
			Pa	-	-	-	-
WG			-	-	-	-	
Option Code			-	01404F-195097-202D2D-330000	01404F-1950A7-203838-330000	01404F-1940D8-204747-330000	01404F-195409-205A5A-330000
Piping Connections	Liquid Pipe	Ø, mm	6.35	6.35	9.52	9.52	
		Ø, inch	1/4	1/4	3/8	3/8	
	Gas Pipe	Ø, mm	12.70	12.70	15.88	15.88	
		Ø, inch	1/2	1/2	5/8	5/8	
Drain Pipe	Ø, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)		
Field Wiring	Power Source Wire	Below 20m / over 20m	mm ²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5
	Transmission Cable		mm ²	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	-	-	R410A	R410A	R410A	R410A
	Control Method	-	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low*4)	dBA	33 / 32 / 30	33 / 32 / 30	35 / 34 / 33	39 / 36 / 33
Dimensions	Net Weight		kg	15.50	15.50	15.50	15.50
	Shipping Weight		kg	19.50	19.50	19.50	19.50
	Net Dimensions (W×H×D)		mm	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840
	Shipping Dimensions (W×H×D)		mm	898 x 275 x 898	898 x 275 x 898	898 x 275 x 898	898 x 275 x 898
Panel Size	Panel model		-	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN
	Panel Net Weight		kg	6.70	6.70	6.70	6.70
	Shipping Weight		kg	8.90	8.90	8.90	8.90
	Net Dimensions (W×H×D)		mm	950 x 30 x 950	950 x 30 x 950	950 x 30 x 950	950 x 30 x 950
	Shipping Dimensions (W×H×D)		mm	1042 x 93 x 950	1042 x 93 x 950	1042 x 93 x 950	1042 x 93 x 950
Additional Accessories	Drain pump	Drain pump	- / Model	Built-in	Built-in	Built-in	Built-in
		Max. lifting Height / Displacement	mm/liter/h	750 / 24	750 / 24	750 / 24	750 / 24
	Air Filter		-	-	Long life filter	Long life filter	Long life filter

* Specifications may be subject to change without prior notice for product improvement.

*1) Mode

- HP : Heat Pump

*2) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4 4 way cassette

4-1. Specifications

Model				AM112FN4DEH/TK	AM128FN4DEH/TK	AM140FN4DEH/TK
Power Supply			∅, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50
Mode*1)			-	HP	HP	HP
Performance	Capacity (Nominal)	Cooling*2)	kW	11.2	12.8	14.0
			Btu/h	38,200	43,700	47,800
		Heating*3)	kW	12.5	13.8	16.0
			Btu/h	42,700	47,100	54,600
Power	Power Input (Nominal)	Cooling*2)	W	78	73	89
		Heating*3)	W	78	73	89
	Current Input (Nominal)	Cooling*2)	A	0.55	0.51	0.62
		Heating*3)	A	0.55	0.51	0.62
Fan	Motor	Type	-	Turbo Fan	Turbo Fan	Turbo Fan
		Output	W			
		Number of unit	EA	1	1	1
	Air Flow Rate	H/M/L (UL)	CMM	26.00/24.00/22.00	28.00/26.00/23.00	30.00/28.00/26.00
			l/s	433.33/400.00/366.67	466.67/433.33/383.33	500.00/466.67/433.33
	External Pressure	Min / Std / Max	mmAq	-	-	-
			Pa	-	-	-
WG			-	-	-	
Option Code			-	01404F-19541B-207070-330010	01404F-19542D-208080-330020	01404F-19544F-208C8C-330020
Piping Connections	Liquid Pipe	∅, mm	9.52	9.52	9.52	
		∅, inch	3/8	3/8	3/8	
	Gas Pipe	∅, mm	15.88	15.88	15.88	
		∅, inch	5/8	5/8	5/8	
Drain Pipe	∅, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)		
Field Wiring	Power Source Wire	Below 20m / over 20m	mm ²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5
	Transmission Cable		mm ²	0.75~1.5	0.75~1.5	0.75~1.5
Refrigerant	Type	-	-	R410A	R410A	R410A
	Control Method	-	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low*4)	dB(A)	40 / 38 / 36	42 / 40 / 37	44 / 41 / 38
Dimensions	Net Weight		kg	17.00	19.00	19.00
	Shipping Weight		kg	20.00	22.50	22.50
	Net Dimensions (W×H×D)		mm	840 x 246 x 840	840 x 288 x 840	840 x 288 x 840
	Shipping Dimensions (W×H×D)		mm	898 x 316 x 898	898 x 357 x 898	898 x 357 x 898
Panel Size	Panel model		-	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN
	Panel Net Weight		kg	6.70	6.70	6.70
	Shipping Weight		kg	8.90	8.90	8.90
	Net Dimensions (W×H×D)		mm	950 x 30 x 950	950 x 30 x 950	950 x 30 x 950
	Shipping Dimensions (W×H×D)		mm	1042 x 93 x 950	1042 x 93 x 950	1042 x 93 x 950
Additional Accessories	Drain pump	Drain pump	- / Model	Built-in	Built-in	Built-in
		Max. lifting Height / Displacement	mm/liter/h	750 / 24	750 / 24	750 / 24
	Air Filter		-	-	Long life filter	Long life filter

* Specifications may be subject to change without prior notice for product improvement.

*1) Mode

- HP : Heat Pump

*2) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4 4 way cassette

4-2. Capacity tables

1) Cooling

TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)													
		20 (°C, DB)		23 (°C, DB)		26 (°C, DB)		27 (°C, DB)		28 (°C, DB)		30 (°C, DB)		32 (°C, DB)	
		14 (°C, WB)		16 (°C, WB)		18 (°C, WB)		19 (°C, WB)		20 (°C, WB)		22 (°C, WB)		24 (°C, WB)	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
128	10	8.8	7.3	10.4	8.1	12.0	9.0	12.8	9.1	13.3	9.1	14.3	9.1	15.4	9.1
	12	8.8	7.3	10.4	8.1	12.0	9.0	12.8	9.1	13.3	9.1	14.3	9.1	15.3	9.0
	14	8.8	7.3	10.4	8.1	12.0	9.0	12.8	9.1	13.3	9.1	14.3	9.1	15.3	9.0
	16	8.8	7.3	10.4	8.1	12.0	9.0	12.8	9.1	13.3	9.1	14.2	9.0	15.2	8.9
	18	8.8	7.3	10.4	8.1	12.0	9.0	12.8	9.1	13.3	9.1	14.2	9.0	15.1	8.8
	20	8.8	7.3	10.4	8.1	12.0	9.0	12.8	9.1	13.3	9.1	14.2	9.0	15.1	8.8
	21	8.8	7.3	10.4	8.1	12.0	9.0	12.8	9.1	13.3	9.1	14.2	9.0	15.1	8.8
	23	8.8	7.3	10.4	8.1	12.0	9.0	12.8	9.1	13.3	9.1	14.2	9.0	15.1	8.8
	25	8.8	7.3	10.4	8.1	12.0	9.0	12.8	9.1	13.3	9.1	14.2	9.0	15.1	8.8
	27	8.8	7.3	10.4	8.1	12.0	9.0	12.8	9.1	13.3	9.1	14.2	9.0	15.1	8.8
	29	8.8	7.3	10.4	8.1	12.0	9.0	12.8	9.1	13.3	9.1	14.2	9.0	15.1	8.8
	31	8.8	7.3	10.4	8.1	12.0	9.0	12.8	9.1	13.3	9.1	14.2	9.0	15.1	8.8
	33	8.8	7.3	10.4	8.1	12.0	9.0	12.8	9.1	13.3	9.1	14.2	9.0	15.1	8.8
	35	8.8	7.3	10.4	8.1	12.0	9.0	12.8	9.1	13.3	9.1	14.2	9.0	15.1	8.8
	37	8.8	7.3	10.4	8.1	12.0	9.0	12.8	9.1	13.2	9.0	14.0	8.9	14.9	8.7
	39	8.8	7.3	10.4	8.1	12.0	9.0	12.8	9.2	13.1	8.9	13.8	8.8	14.5	8.6
42	8.8	7.3	10.4	8.1	12.0	9.0	12.4	8.9	12.7	8.8	13.2	8.6	13.7	8.4	
44	8.8	7.3	10.4	8.1	11.4	8.7	12.2	8.6	12.3	8.6	12.5	8.3	12.8	8.0	
46	8.8	7.1	10.3	7.8	10.5	7.8	11.2	7.7	11.7	8.0	11.9	7.7	12.0	7.3	
140	10	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.6	9.6	15.7	9.5	16.8	9.7
	12	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.6	9.6	16.7	9.6
	14	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.6	9.6	16.7	9.6
	16	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.6	9.6	16.6	9.5
	18	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.5	9.5	16.6	9.5
	20	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.5	9.5	16.5	9.4
	21	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.5	9.5	16.5	9.4
	23	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.5	9.5	16.5	9.4
	25	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.5	9.5	16.5	9.4
	27	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.5	9.5	16.5	9.4
	29	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.5	9.5	16.5	9.4
	31	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.5	9.5	16.5	9.4
	33	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.5	9.5	16.5	9.4
	35	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.5	9.5	16.5	9.4
	37	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.4	9.4	16.3	9.2
	39	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.4	9.4	15.1	9.3	15.9	9.0
42	9.7	7.7	11.4	8.5	13.1	9.4	13.6	9.3	13.9	9.2	14.4	8.9	15.0	8.5	
44	9.7	7.7	11.4	8.5	12.5	9.1	13.3	9.2	13.4	8.8	13.7	8.4	14.0	8.1	
46	9.7	7.5	11.3	8.2	11.8	8.3	12.5	8.4	12.7	8.1	13.0	7.7	13.2	7.4	

2) Heating

TC : Total Capacity(kW)

Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)									
			16.0		18.0		20.0		22.0		24.0	
			TC	kW	TC	kW	TC	kW	TC	kW	TC	kW
045	-20	-21	3.1		3.1		2.9		2.9		2.9	
	-17	-18	3.2		3.2		3.1		3.0		3.0	
	-15	-16	3.3		3.3		3.2		3.1		3.0	
	-12	-13	3.5		3.4		3.4		3.3		3.2	
	-10	-11	3.7		3.6		3.6		3.5		3.5	
	-7	-8	3.9		3.8		3.8		3.7		3.6	
	-5	-6	4.1		4.0		4.0		3.9		3.7	
	-3	-4	4.3		4.2		4.2		4.0		3.9	
	0	-1	4.5		4.4		4.4		4.2		4.0	
	3	2.2	4.7		4.7		4.6		4.4		4.2	
	5	4.1	4.9		4.9		4.8		4.5		4.2	
	7	6	5.1		5.1		5.0		4.6		4.2	
	9	7.9	5.3		5.2		5.0		4.6		4.2	
	11	9.8	5.5		5.2		5.0		4.6		4.2	
	13	12	5.6		5.3		5.0		4.6		4.2	
	15	14	5.8		5.4		5.0		4.6		4.2	
056	-20	-21	3.9		3.8		3.8		3.7		3.7	
	-17	-18	4.0		4.0		3.9		3.8		3.8	
	-15	-16	4.2		4.1		4.0		3.9		3.8	
	-12	-13	4.4		4.3		4.2		4.2		4.1	
	-10	-11	4.6		4.6		4.5		4.4		4.4	
	-7	-8	4.9		4.8		4.8		4.7		4.5	
	-5	-6	5.2		5.1		5.0		4.9		4.7	
	-3	-4	5.4		5.3		5.3		5.1		4.9	
	0	-1	5.7		5.6		5.5		5.3		5.0	
	3	2.2	5.9		5.9		5.8		5.6		5.3	
	5	4.1	6.2		6.1		6.0		5.7		5.3	
	7	6	6.5		6.4		6.3		5.8		5.3	
	9	7.9	6.7		6.5		6.3		5.8		5.3	
	11	9.8	6.9		6.6		6.3		5.8		5.3	
	13	12	7.1		6.7		6.3		5.8		5.3	
	15	14	7.3		6.8		6.3		5.8		5.3	

4-2. Capacity tables

2) Heating

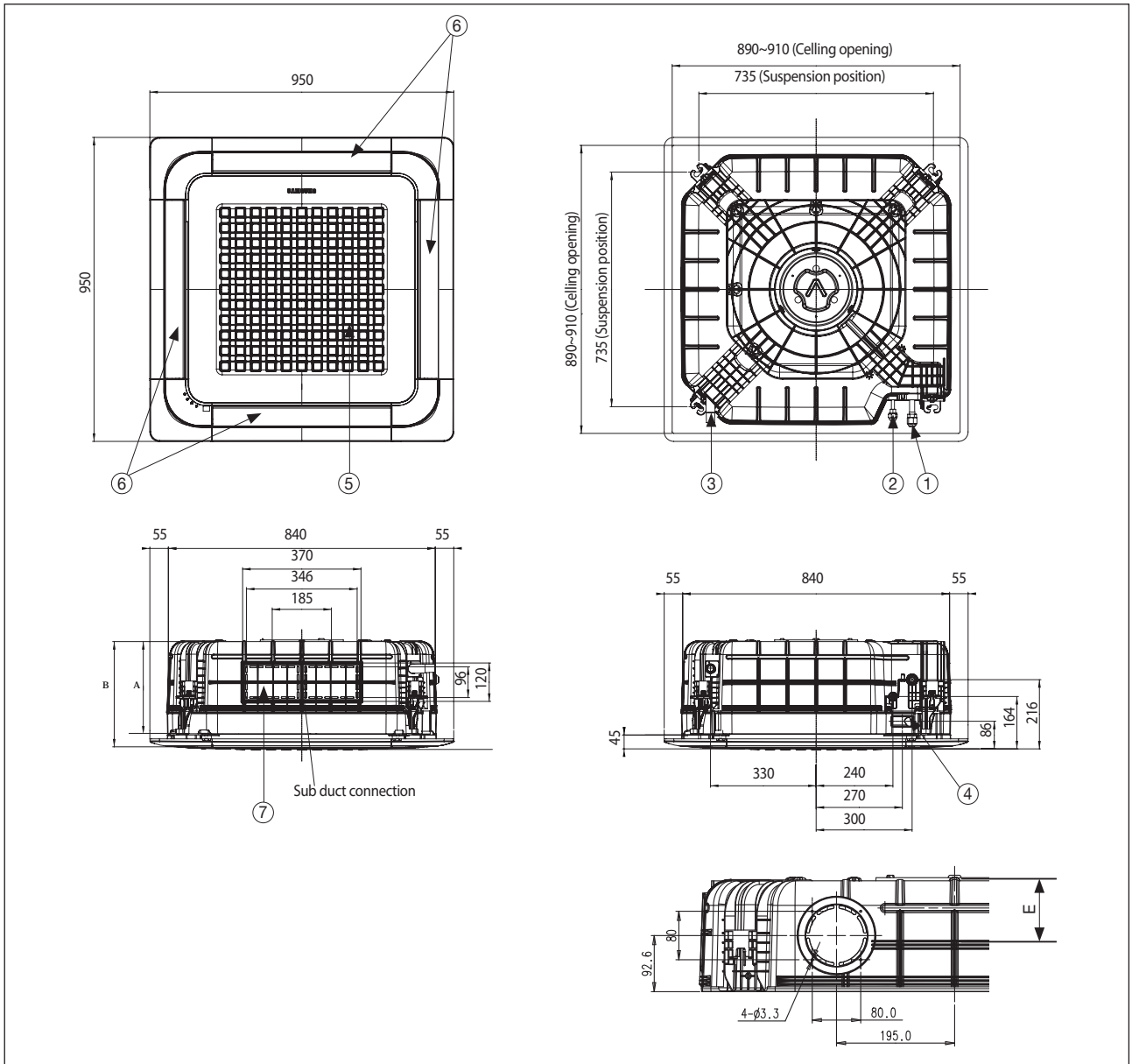
TC : Total Capacity(kW)

Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
			TC	TC	TC	TC	TC
	DB	WB	kW	kW	kW	kW	kW
071	-20	-21	4.9	4.9	4.8	4.7	4.7
	-17	-18	5.1	5.0	4.9	4.8	4.8
	-15	-16	5.3	5.2	5.1	4.9	4.8
	-12	-13	5.6	5.5	5.4	5.3	5.2
	-10	-11	5.9	5.8	5.7	5.6	5.6
	-7	-8	6.2	6.1	6.0	5.9	5.8
	-5	-6	6.5	6.5	6.4	6.2	6.0
	-3	-4	6.9	6.8	6.7	6.4	6.2
	0	-1	7.2	7.1	7.0	6.7	6.4
	3	2.2	7.6	7.5	7.3	7.1	6.8
	5	4.1	7.9	7.8	7.7	7.2	6.8
	7	6	8.2	8.1	8.0	7.4	6.8
	9	7.9	8.5	8.2	8.0	7.4	6.8
	11	9.8	8.7	8.4	8.0	7.4	6.8
	13	12	9.0	8.5	8.0	7.4	6.8
15	14	9.2	8.6	8.0	7.4	6.8	
090	-20	-21	6.0	6.0	5.9	5.8	5.8
	-17	-18	6.3	6.3	6.1	6.0	5.9
	-15	-16	6.7	6.5	6.3	6.1	6.0
	-12	-13	7.0	6.9	6.7	6.6	6.5
	-10	-11	7.3	7.2	7.1	7.0	7.0
	-7	-8	7.8	7.7	7.6	7.4	7.2
	-5	-6	8.2	8.1	8.0	7.7	7.5
	-3	-4	8.6	8.5	8.4	8.1	7.7
	0	-1	9.0	8.9	8.8	8.4	8.0
	3	2.2	9.4	9.3	9.2	8.8	8.4
	5	4.1	9.9	9.7	9.6	9.0	8.4
	7	6	10.3	10.1	10.0	9.2	8.4
	9	7.9	10.6	10.3	10.0	9.2	8.4
	11	9.8	10.9	10.5	10.0	9.2	8.4
	13	12	11.2	10.6	10.0	9.2	8.4
15	14	11.6	10.8	10.0	9.2	8.4	
112	-20	-21	7.4	7.4	7.3	7.3	7.3
	-17	-18	8.0	7.8	7.6	7.5	7.4
	-15	-16	8.4	8.1	7.9	7.7	7.5
	-12	-13	8.8	8.6	8.4	8.2	8.1
	-10	-11	9.2	9.0	8.9	8.8	8.7
	-7	-8	9.7	9.6	9.4	9.2	9.0
	-5	-6	10.2	10.1	9.9	9.6	9.3
	-3	-4	10.7	10.6	10.5	10.1	9.7
	0	-1	11.3	11.1	11.1	10.5	10.0
	3	2.2	11.8	11.6	11.5	11.0	10.6
	5	4.1	12.3	12.2	12.0	11.3	10.6
	7	6	12.9	12.7	12.5	11.5	10.6
	9	7.9	13.3	12.9	12.5	11.5	10.6
	11	9.8	13.7	13.1	12.5	11.5	10.6
	13	12	14.0	13.3	12.5	11.5	10.6
15	14	14.4	13.5	12.5	11.5	10.6	
128	-20	-21	8.1	8.1	8.0	8.0	8.0
	-17	-18	8.7	8.5	8.4	8.3	8.1
	-15	-16	9.2	9.0	8.7	8.5	8.2
	-12	-13	9.7	9.5	9.3	9.1	8.9
	-10	-11	10.1	10.0	9.9	9.7	9.6
	-7	-8	10.7	10.6	10.4	10.2	10.0
	-5	-6	11.3	11.1	11.0	10.7	10.3
	-3	-4	11.9	11.7	11.5	11.1	10.7
	0	-1	12.4	12.3	12.1	11.6	11.0
	3	2.2	13.0	12.9	12.7	12.2	11.7
	5	4.1	13.6	13.4	13.2	12.4	11.7
	7	6	14.2	14.0	13.8	12.7	11.7
	9	7.9	14.6	14.2	13.8	12.7	11.7
	11	9.8	15.1	14.4	13.8	12.7	11.7
	13	12	15.5	14.7	13.8	12.7	11.7
15	14	15.9	14.9	13.8	12.7	11.7	
140	-20	-21	9.5	9.5	9.4	9.4	9.3
	-17	-18	10.1	9.9	9.6	9.6	9.4
	-15	-16	10.7	10.4	10.1	9.8	9.5
	-12	-13	11.2	11.0	10.8	10.6	10.3
	-10	-11	11.7	11.6	11.4	11.3	11.1
	-7	-8	12.4	12.2	12.1	11.8	11.5
	-5	-6	13.1	12.9	12.7	12.3	12.0
	-3	-4	13.8	13.6	13.4	12.9	12.4
	0	-1	14.4	14.2	14.0	13.4	12.8
	3	2.2	15.1	14.9	14.7	14.1	13.5
	5	4.1	15.8	15.6	15.3	14.4	13.5
	7	6	16.5	16.2	16.0	14.8	13.5
	9	7.9	17.0	16.5	16.0	14.8	13.5
	11	9.8	17.5	16.7	16.0	14.8	13.5
	13	12	18.0	17.0	16.0	14.8	13.5
15	14	18.5	17.2	16.0	14.8	13.5	

4 4 way cassette

4-3 . Dimensional drawing

Unit:mm

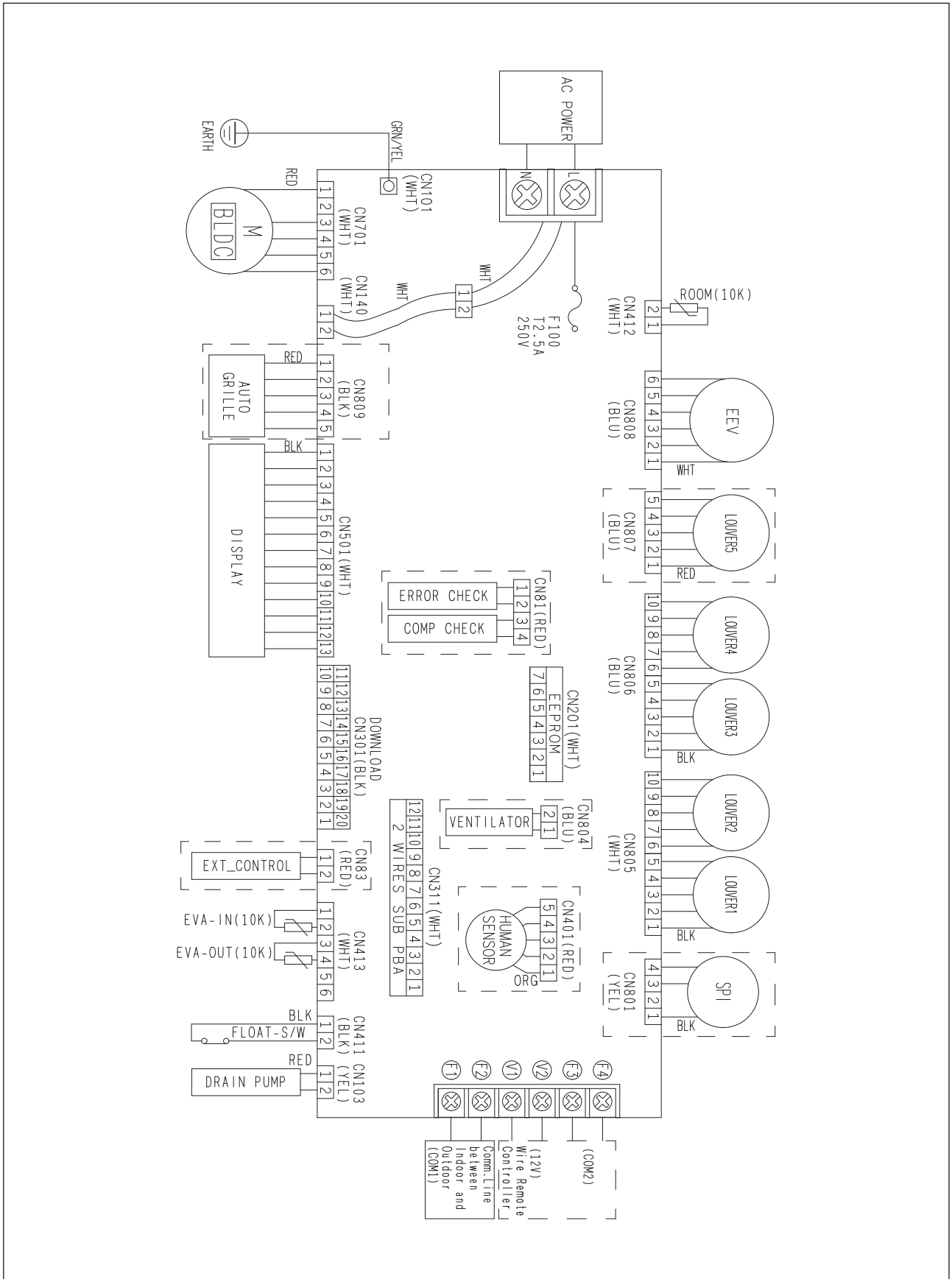


No.	Name	Description			
		4.5/5.6kW	7.1/9.0kW	11.2kW	12.8/14.0kW
①	Liquid pipe connection	Ø6.35 Flare		Ø9.52 Flare	
②	Gas pipe connection	Ø12.70 Flare		Ø15.88 Flare	
③	Drain pipe connection	VP25 (OD 32, ID 25)			
④	Conduit for power supply & communication wiring	-			
⑤	Air inlet grille	-			
⑥	Air outlet louver	-			
⑦	Sub-Duct	-			

		Description			
		4.5/5.6kW	7.1/9.0kW	11.2kW	12.8/14.0kW
A	mm	204		246	288
B	mm	253		295	337

4 4 way cassette

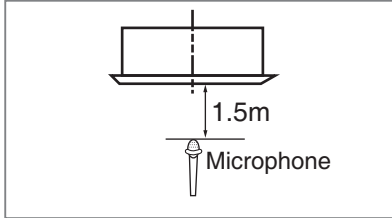
4-4. Electrical wiring diagram



4 4 way cassette

4-5. Sound pressure level

1) Operation sound level



Unit : dB(A)

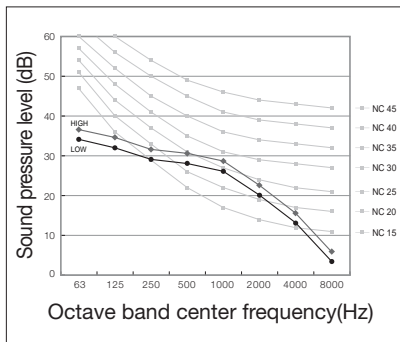
Model	High	Low
AM045FN4DEH/TK	33	30
AM056FN4DEH/TK	33	30
AM071FN4DEH/TK	35	33
AM090FN4DEH/TK	39	33
AM112FN4DEH/TK	40	36
AM128FN4DEH/TK	42	37
AM140FN4DEH/TK	44	38

✓ Note

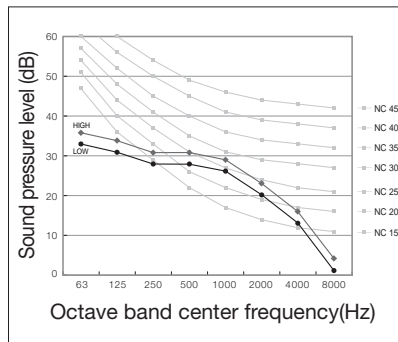
- ◆ These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ depending on operation and ambient conditions.

2) NC curves

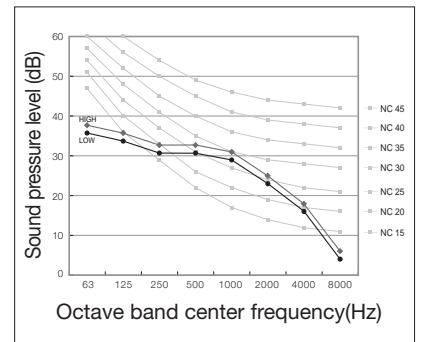
(1) AM045FN4DEH/TK



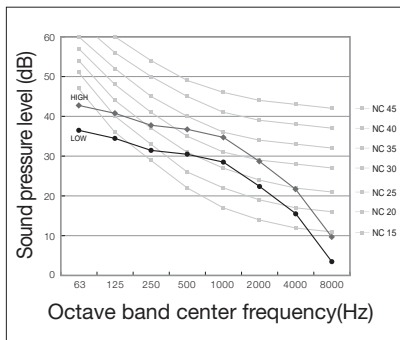
(2) AM056FN4DEH/TK



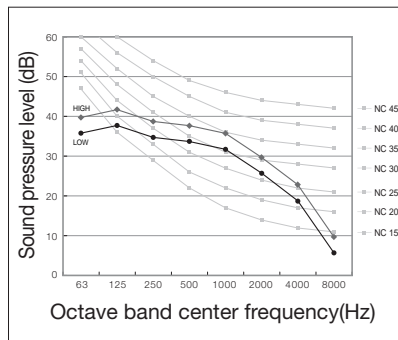
(3) AM071FN4DEH/TK



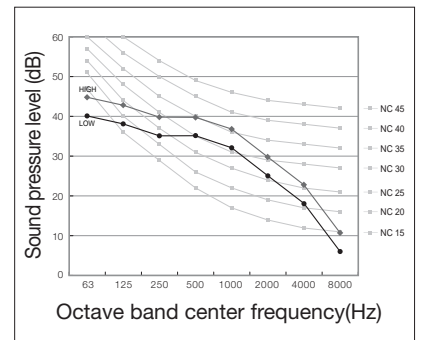
(4) AM090FN4DEH/TK



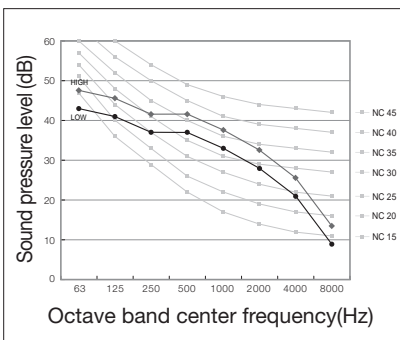
(5) AM112FN4DEH/TK



(6) AM128FN4DEH/TK



(7) AM140FN4DEH/TK



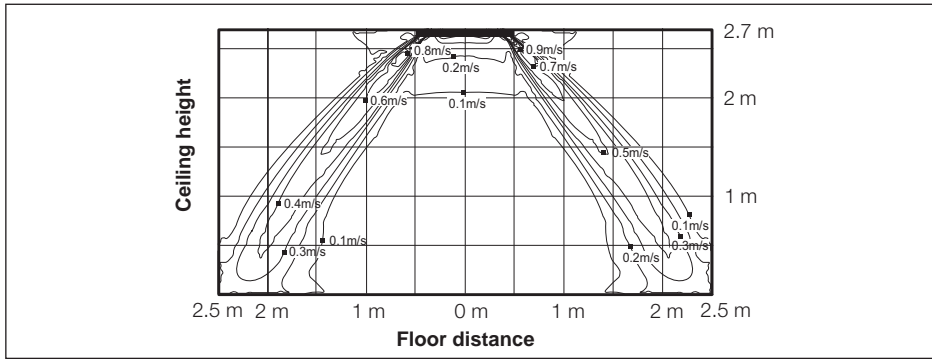
4 4 way cassette

4-6. Temperature and air flow distribution

1) AM045FN4DEH/TK

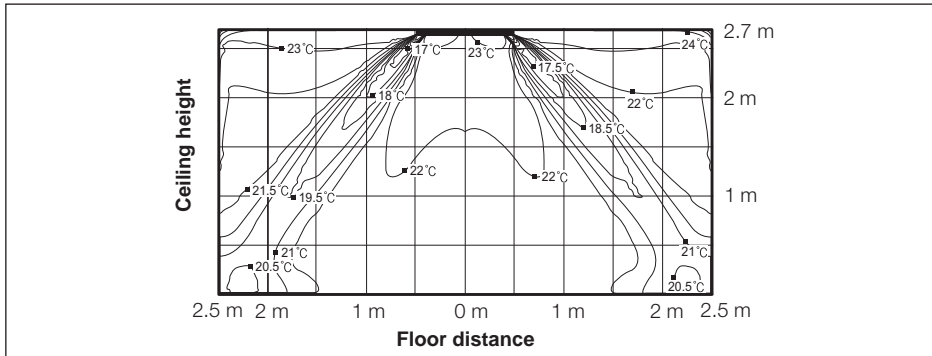
(1) Cooling air velocity distribution

◆ Discharge angle : 45°



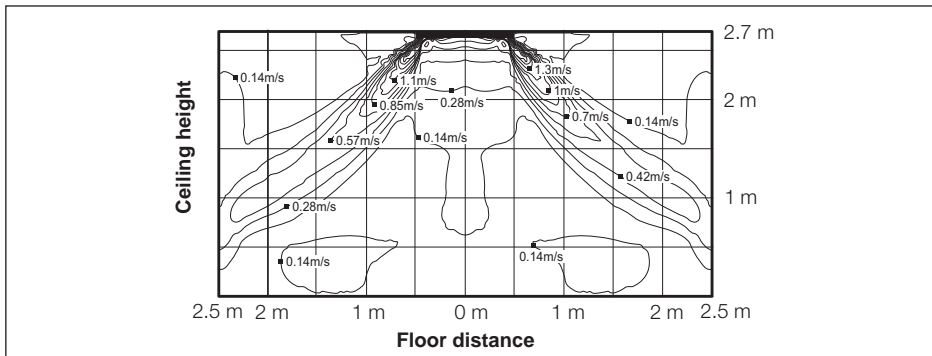
(2) Cooling temperature distribution

◆ Discharge angle : 45°



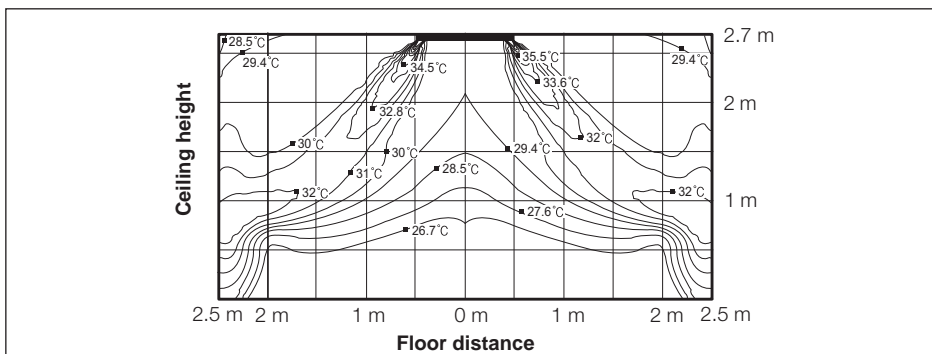
(3) Heating air velocity distribution

◆ Discharge angle : 52°



(4) Heating temperature distribution

◆ Discharge angle : 52°



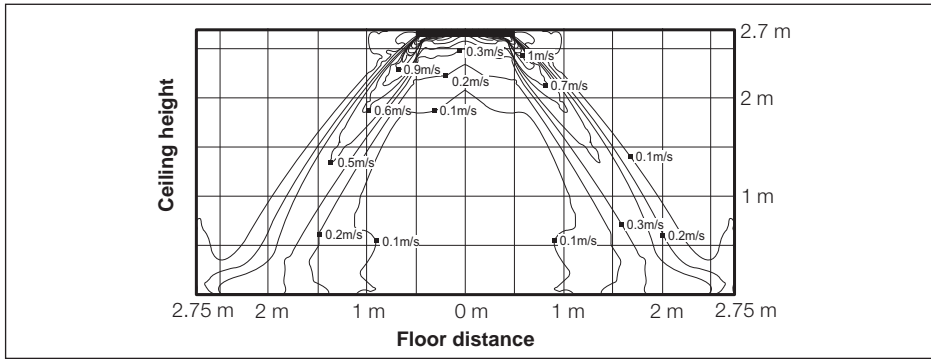
4 4 way cassette

4-6. Temperature and air flow distribution

2) AM056FN4DEH/TK

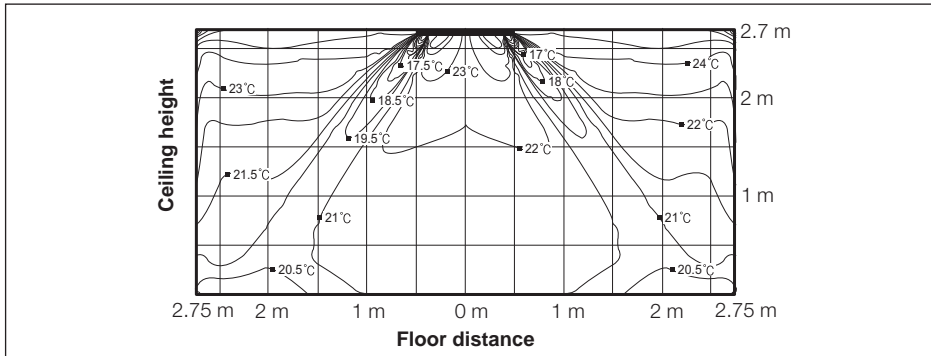
(1) Cooling air velocity distribution

◆ Discharge angle : 45°



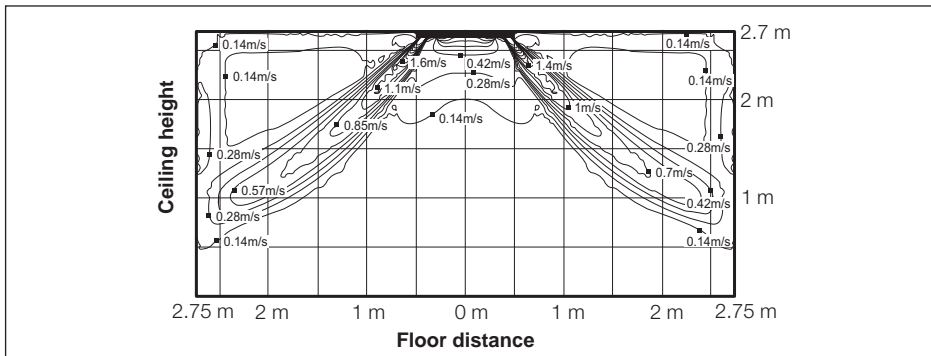
(2) Cooling temperature distribution

◆ Discharge angle : 45°



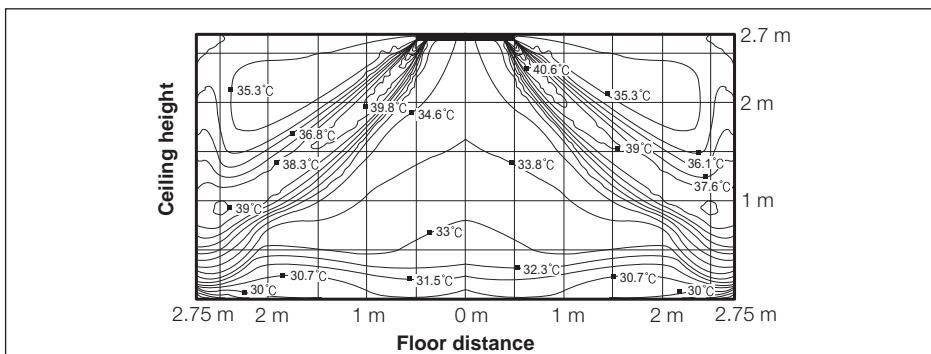
(3) Heating air velocity distribution

◆ Discharge angle : 52°



(4) Heating temperature distribution

◆ Discharge angle : 52°



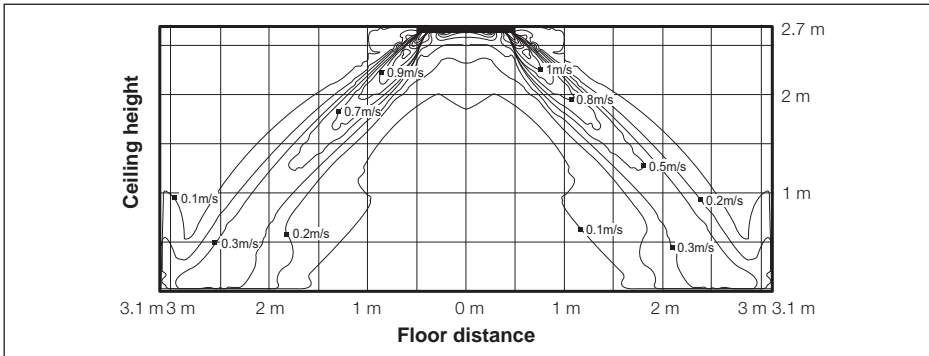
4 4 way cassette

4-6. Temperature and air flow distribution

3) AM071FN4DEH/TK

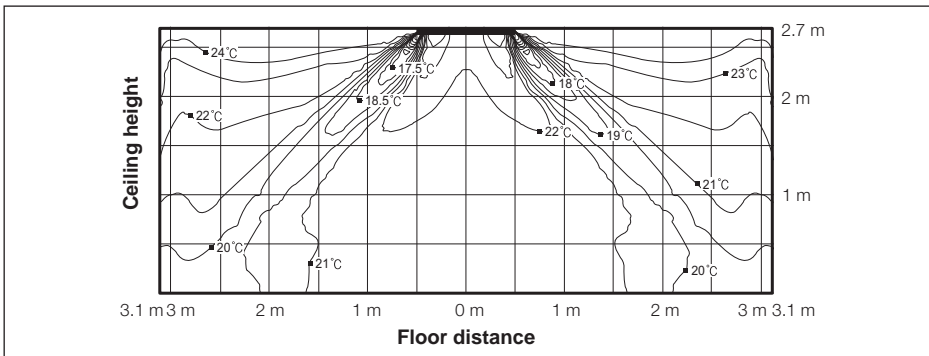
(1) Cooling air velocity distribution

◆ Discharge angle : 45°



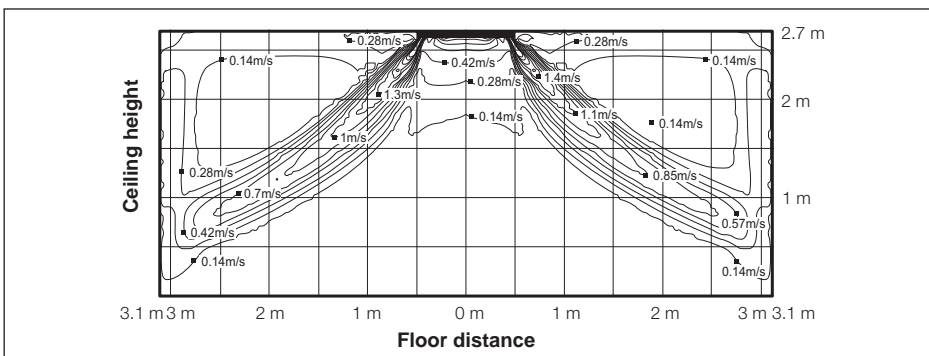
(2) Cooling temperature distribution

◆ Discharge angle : 45°



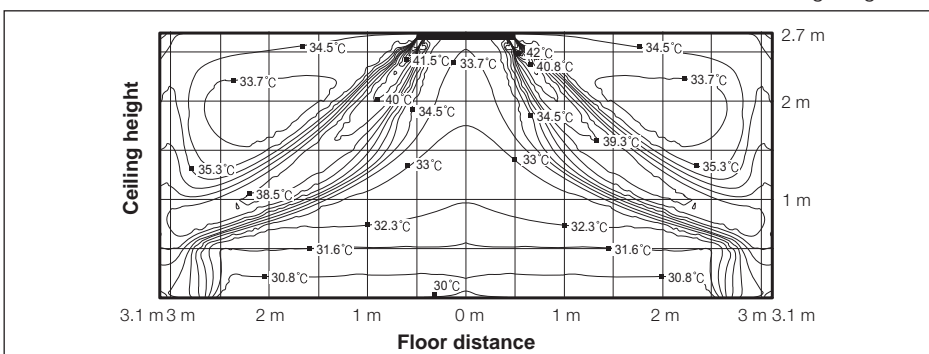
(3) Heating air velocity distribution

◆ Discharge angle : 52°



(4) Heating temperature distribution

◆ Discharge angle : 52°



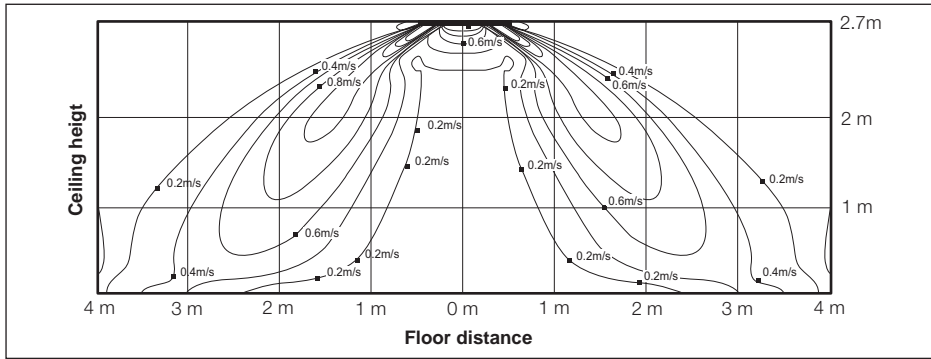
4 4 way cassette

4-6. Temperature and air flow distribution

4) AM090FN4DEH/TK

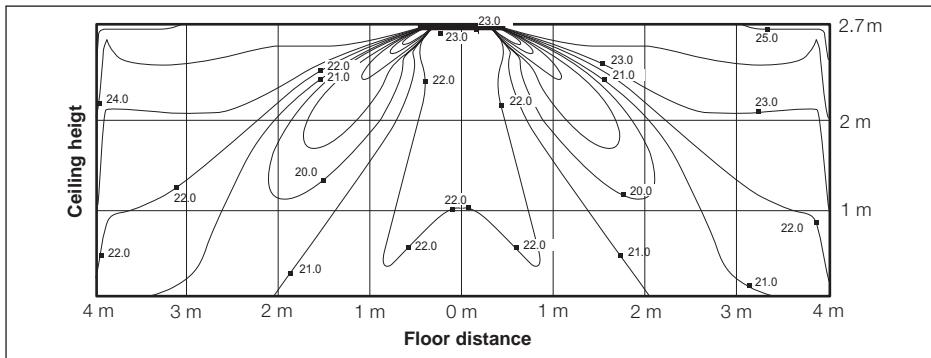
(1) Cooling air velocity distribution

◆ Discharge angle : 45°



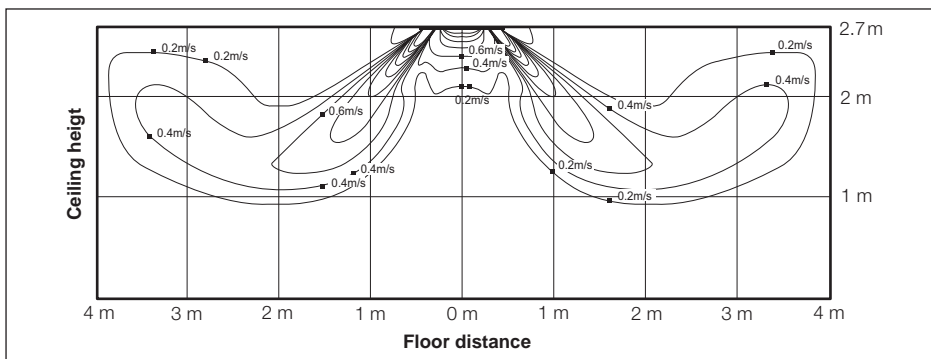
(2) Cooling temperature distribution

◆ Discharge angle : 45°



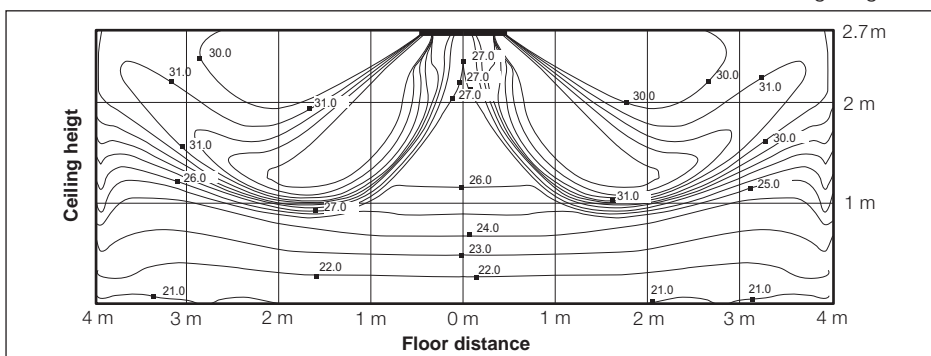
(3) Heating air velocity distribution

◆ Discharge angle : 52°



(4) Heating temperature distribution

◆ Discharge angle : 52°



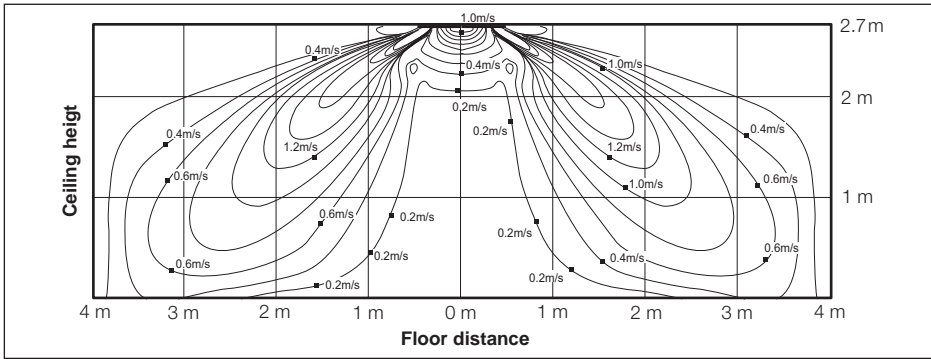
4 4 way cassette

4-6. Temperature and air flow distribution

5) AM112FN4DEH/TK

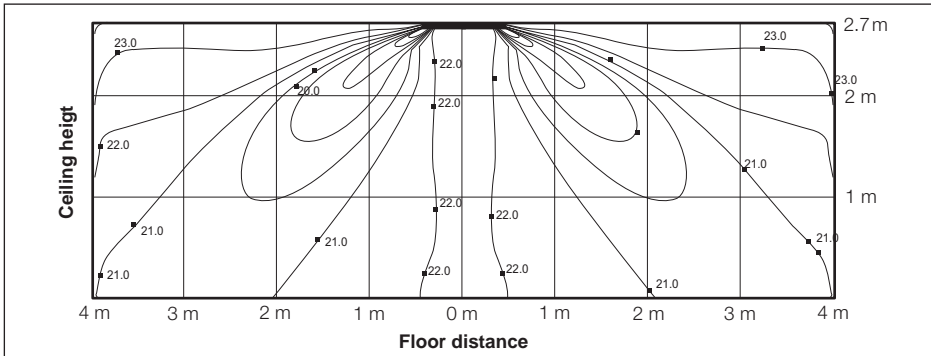
(1) Cooling air velocity distribution

◆ Discharge angle : 45°



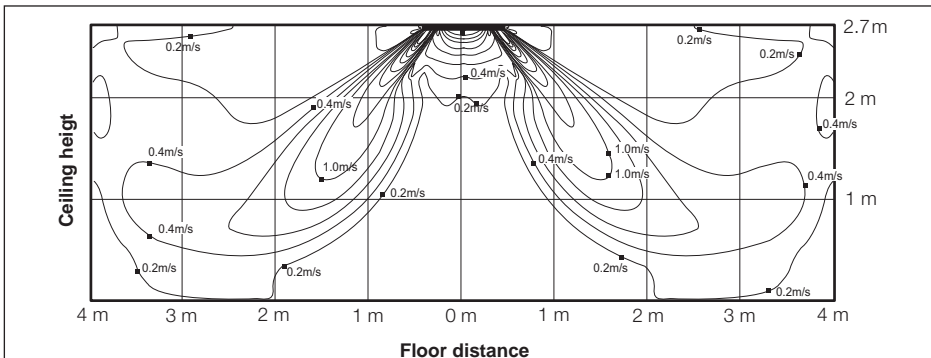
(2) Cooling temperature distribution

◆ Discharge angle : 45°



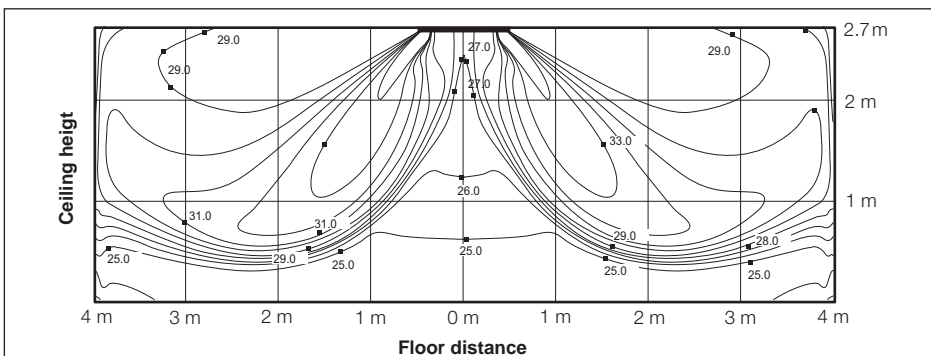
(3) Heating air velocity distribution

◆ Discharge angle : 52°



(4) Heating temperature distribution

◆ Discharge angle : 52°



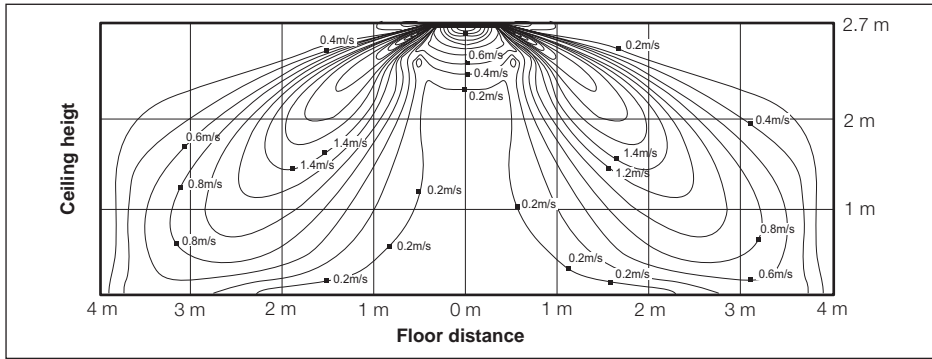
4 4 way cassette

4-6. Temperature and air flow distribution

6) AM140FN4DEH/TK

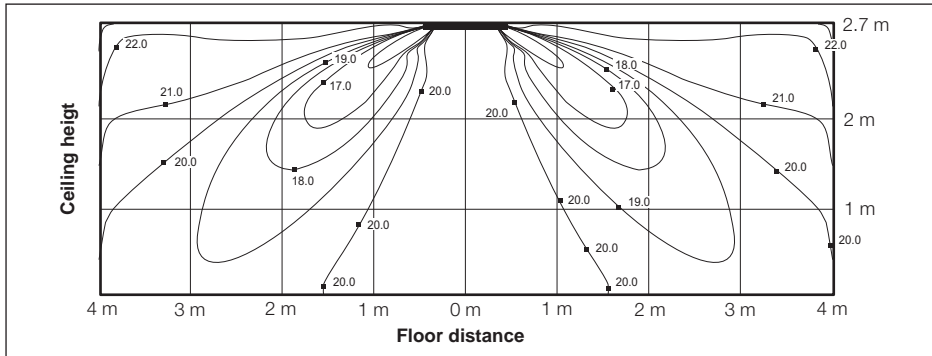
(1) Cooling air velocity distribution

◆ Discharge angle : 45°



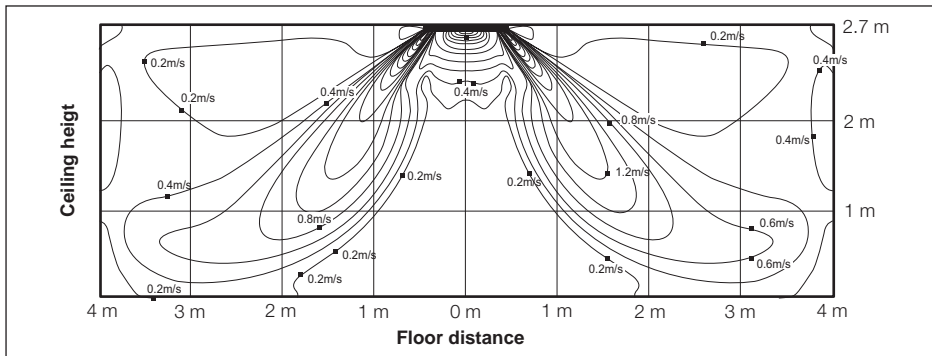
(2) Cooling temperature distribution

◆ Discharge angle : 45°



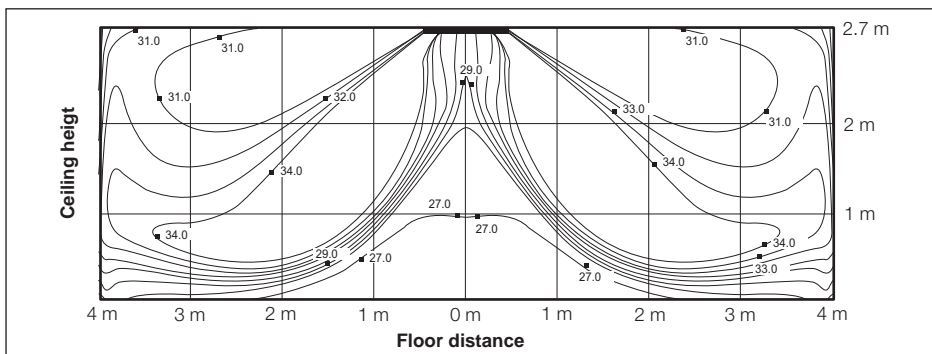
(3) Heating air velocity distribution

◆ Discharge angle : 52°



(4) Heating temperature distribution

◆ Discharge angle : 52°



5 360 cassette

- 5-1. Specifications
- 5-2. Capacity tables
- 5-3. Dimensional drawing
- 5-4. Electrical wiring diagram
- 5-5. Sound pressure level
- 5-6. Temperature and air flow distribution

5-1 Specifications

Type			360 Cassette	360 Cassette	360 Cassette	360 Cassette	
Model Name			AM045KN4DEH/TK	AM056KN4DEH/TK	AM071KN4DEH/TK	AM090KN4DEH/TK	
Power Supply		Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
Mode			-	HP/HR	HP/HR	HP/HR	
Performance	Ton	TON	1.28	1.59	2.02	2.56	
		kW	4.50	5.60	7.10	9.00	
	Capacity (Nominal)	Cooling	Btu/h	15,400	19,100	24,200	30,700
			US RT	1.28	1.59	2.02	2.56
		Heating	kW	5.00	6.30	8.00	10.00
			Btu/h	17,100	21,500	27,300	34,100
Power	Power Input	Cooling	W	26.00	30.00	34.00	55.00
		Heating	W	26.00	30.00	34.00	55.00
	Current Input	Cooling	A	0.18	0.21	0.25	0.42
		Heating	A	0.18	0.21	0.25	0.42
	Fan	Type		-	Turbo Fan	Turbo Fan	Turbo Fan
		Output x n		W	65 x 1	65 x 1	65 x 1
Air Flow Rate		H/M/L (UL)	CMM	14.50 / 13.50 / 12.50	16.00 / 14.50 / 13.50	18.00 / 16.00 / 14.00	22.00 / 18.50 / 16.00
			CFM	512.08 / 476.77 / 441.45	565.06 / 512.08 / 476.77	635.69 / 565.06 / 494.42	776.95 / 653.35 / 565.06
External Static Pressure		Min / Std / Max	Pa	-	-	-	-
	In Wg		-	-	-	-	
Piping Connections	Liquid Pipe	Ø, mm	6.35	6.35	9.52	9.52	
		Ø, inch	1/4"	1/4"	3/8"	3/8"	
	Gas Pipe	Ø, mm	12.70	12.70	15.88	15.88	
		Ø, inch	1/2"	1/2"	5/8"	5/8"	
Drain Pipe	Ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)		
Field Wiring	Power Source Wire		mm ²	1.5 - 2.5	1.5 - 2.5	1.5 - 2.5	
	Transmission Cable		mm ²	0.75 - 1.50	0.75 - 1.50	0.75 - 1.50	
Refrigerant	Type		-	R410A	R410A	R410A	
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	
Sound	Pressure High / Mid / Low		dB(A)	33 / 31 / 29	34 / 32 / 29	36 / 33 / 30	40 / 36 / 32
	Power Cooling			50	51	53	57
Dimensions	Net Weight	kg	21.00	21.00	21.00	21.00	
		lbs	46.30	46.30	46.30	46.30	
	Shipping Weight	kg	25.00	25.00	25.00	25.00	
		lbs	55.12	55.12	55.12	55.12	
	Net Dimensions (WxHxD)	mm	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947	
		inch	37.28 x 11.06 x 37.28	37.28 x 11.06 x 37.28	37.28 x 11.06 x 37.28	37.28 x 11.06 x 37.28	
Shipping Dimensions (WxHxD)	mm	990 x 330 x 990	990 x 330 x 990	990 x 330 x 990	990 x 330 x 990		
	inch	38.98 x 12.99 x 38.98	38.98 x 12.99 x 38.98	38.98 x 12.99 x 38.98	38.98 x 12.99 x 38.98		
Panel Size	Panel model		-	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN	
	Panel Net Weight	kg	3.60	3.60	3.60	3.60	
		lbs	7.94	7.94	7.94	7.94	
	Shipping Weight	kg	6.00	6.00	6.00	6.00	
		lbs	13.23	13.23	13.23	13.23	
	Net Dimensions (WxHxD)	mm	1,000 x 66 x 1,000	1,000 x 66 x 1,000	1,000 x 66 x 1,000	1,000 x 66 x 1,000	
inch		39.37 x 2.60 x 39.37	39.37 x 2.60 x 39.37	39.37 x 2.60 x 39.37	39.37 x 2.60 x 39.37		
Shipping Dimensions (WxHxD)	mm	1,093 x 85 x 1,083	1,093 x 85 x 1,083	1,093 x 85 x 1,083	1,093 x 85 x 1,083		
	inch	43.03 x 3.35 x 42.64	43.03 x 3.35 x 42.64	43.03 x 3.35 x 42.64	43.03 x 3.35 x 42.64		
Additional Accessories	Drain pump	Drain pump	-	-	-	-	
		Max. lifting Height/Displacemen	mm/liter/h	-	-	-	-
	Air Filter		-	-	-	-	

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level differences : 0m

2) 46°C cooling capacities are based on;

- Indoor temperature : 29°C DB, 19°C WB

- Outdoor temperature : 46°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) Panel type is option. (Ceiling Type/Open Type)

About each detail spec, please refer to Dimensional Drawing pages.

5-1 Specifications

Type			360 Cassette		360 Cassette		360 Cassette	
Model Name			AM112KN4DEH/TK		AM128KN4DEH/TK		AM140KN4DEH/TK	
Power Supply			Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50		1,2,220-240,50
Mode			-		HP/HR		HP/HR	
Performance	Ton		TON	3.18	3.64	3.98		
		Capacity (Nominal)	Cooling	kW	11.20	12.80	14.00	
	Btu/h			38,200	43,700	47,800		
	Heating		US RT	3.18	3.64	3.98		
			kW	12.50	13.80	16.00		
	Btu/h	42,700	47,100	54,600				
US RT	3.55	3.92	4.55					
Power	Power Input	Cooling	W	53.00	77.00	91.00		
		Heating	W	53.00	77.00	91.00		
	Current Input	Cooling	A	0.41	0.62	0.75		
		Heating	A	0.41	0.62	0.75		
Fan	Type		-	Turbo Fan		Turbo Fan		Turbo Fan
	Output x n		W	97 x 1		97 x 1		97 x 1
	Air Flow Rate	H/M/L (UL)	CMM	25.50 / 21.00 / 17.50		29.50 / 24.00 / 19.00		31.50 / 26.50 / 21.00
			CFM	900.56 / 741.64 / 618.03		1,041.82 / 847.58 / 671.00		1,112.45 / 935.87 / 741.64
	External Static Pressure	Min / Std / Max	Pa	-		-		-
In Wg			-		-		-	
Piping Connections	Liquid Pipe		Ø, mm	9.52	9.52	9.52		
			Ø, inch	3/8"	3/8"	3/8"		
	Gas Pipe		Ø, mm	15.88	15.88	15.88		
			Ø, inch	5/8"	5/8"	5/8"		
	Drain Pipe		Ø, mm	VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)
Field Wiring	Power Source Wire		mm ²	1.5 - 2.5		1.5 - 2.5		1.5 - 2.5
	Transmission Cable		mm ²	0.75 - 1.50		0.75 - 1.50		0.75 - 1.50
Refrigerant	Type		-	R410A		R410A		R410A
	Control Method		-	EEV INCLUDED		EEV INCLUDED		EEV INCLUDED
Sound	Pressure High / Mid / Low		dB(A)	40 / 36 / 32		42 / 38 / 33		44 / 40 / 35
	Power Cooling			58		60		61
Dimensions	Net Weight		kg	24.00	24.00	24.00		
			lbs	52.91	52.91	52.91		
	Shipping Weight		kg	29.00	29.00	29.00		
			lbs	63.93	63.93	63.93		
	Net Dimensions (WxHxD)		mm	947 x 365 x 947		947 x 365 x 947		947 x 365 x 947
			inch	37.28 x 14.37 x 37.28		37.28 x 14.37 x 37.28		37.28 x 14.37 x 37.28
	Shipping Dimensions (WxHxD)		mm	990 x 414 x 990		990 x 414 x 990		990 x 414 x 990
			inch	38.98 x 16.30 x 38.98		38.98 x 16.30 x 38.98		38.98 x 16.30 x 38.98
Panel Size	Panel model		-	PC4NUDMAN		PC4NUDMAN		PC4NUDMAN
	Panel Net Weight		kg	3.60	3.60	3.60		
			lbs	7.94	7.94	7.94		
	Shipping Weight		kg	6.00	6.00	6.00		
			lbs	13.23	13.23	13.23		
	Net Dimensions (WxHxD)		mm	1,000 x 66 x 1,000		1,000 x 66 x 1,000		1,000 x 66 x 1,000
			inch	39.37 x 2.60 x 39.37		39.37 x 2.60 x 39.37		39.37 x 2.60 x 39.37
	Shipping Dimensions (WxHxD)		mm	1,093 x 85 x 1,083		1,093 x 85 x 1,083		1,093 x 85 x 1,083
inch			43.03 x 3.35 x 42.64		43.03 x 3.35 x 42.64		43.03 x 3.35 x 42.64	
Additional Accessories	Drain pump	Drain pump	-	-	-	-		
		Max. lifting Height/Displacemen	mm/liter/h	-	-	-		
	Air Filter		-	-	-	-		

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level differences : 0m

2) 46°C cooling capacities are based on;

- Indoor temperature : 29°C DB, 19°C WB

- Outdoor temperature : 46°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) Panel type is option. (Ceiling Type/Open Type)

About each detail spec, please refer to Dimensional Drawing pages.

5-2 Capacity tables

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity

Model	Outdoor Air Temp. (DB)	Indoor temperature													
		20 (°C, DB) 14 (°C, WB)		23 (°C, DB) 16 (°C, WB)		26 (°C, DB) 18 (°C, WB)		27 (°C, DB) 19 (°C, WB)		28 (°C, DB) 20 (°C, WB)		30 (°C, DB) 22 (°C, WB)		32 (°C, DB) 24 (°C, WB)	
		TC(kW)	SHC(kW)	TC(kW)	SHC(kW)	TC(kW)	SHC(kW)	TC(kW)	SHC(kW)	TC(kW)	SHC(kW)	TC(kW)	SHC(kW)	TC(kW)	SHC(kW)
12.80	10.0	8.80	7.30	10.40	8.10	12.00	9.00	12.80	9.10	13.30	9.10	14.30	9.10	15.40	9.10
	12.0	8.80	7.30	10.40	8.10	12.00	9.00	12.80	9.10	13.30	9.10	14.30	9.10	15.30	9.00
	14.0	8.80	7.30	10.40	8.10	12.00	9.00	12.80	9.10	13.30	9.10	14.30	9.10	15.30	9.00
	16.0	8.80	7.30	10.40	8.10	12.00	9.00	12.80	9.10	13.30	9.10	14.20	9.00	15.20	8.90
	18.0	8.80	7.30	10.40	8.10	12.00	9.00	12.80	9.10	13.30	9.10	14.20	9.00	15.10	8.80
	20.0	8.80	7.30	10.40	8.10	12.00	9.00	12.80	9.10	13.30	9.10	14.20	9.00	15.10	8.80
	21.0	8.80	7.30	10.40	8.10	12.00	9.00	12.80	9.10	13.30	9.10	14.20	9.00	15.10	8.80
	23.0	8.80	7.30	10.40	8.10	12.00	9.00	12.80	9.10	13.30	9.10	14.20	9.00	15.10	8.80
	25.0	8.80	7.30	10.40	8.10	12.00	9.00	12.80	9.10	13.30	9.10	14.20	9.00	15.10	8.80
	27.0	8.80	7.30	10.40	8.10	12.00	9.00	12.80	9.10	13.30	9.10	14.20	9.00	15.10	8.80
	29.0	8.80	7.30	10.40	8.10	12.00	9.00	12.80	9.10	13.30	9.10	14.20	9.00	15.10	8.80
	31.0	8.80	7.30	10.40	8.10	12.00	9.00	12.80	9.10	13.30	9.10	14.20	9.00	15.10	8.80
	33.0	8.80	7.30	10.40	8.10	12.00	9.00	12.80	9.10	13.30	9.10	14.20	9.00	15.10	8.80
	35.0	8.80	7.30	10.40	8.10	12.00	9.00	12.80	9.10	13.30	9.10	14.20	9.00	15.10	8.80
	37.0	8.80	7.30	10.40	8.10	12.00	9.00	12.80	9.10	13.20	9.00	14.00	8.90	14.90	8.70
	39.0	8.80	7.30	10.40	8.10	12.00	9.00	12.80	9.20	13.10	8.90	13.80	8.80	14.50	8.60
	14.00	10.0	9.70	7.70	11.40	8.50	13.10	9.40	14.00	9.60	14.60	9.60	15.70	9.50	16.80
12.0		9.70	7.70	11.40	8.50	13.10	9.40	14.00	9.60	14.50	9.60	15.60	9.60	16.70	9.60
14.0		9.70	7.70	11.40	8.50	13.10	9.40	14.00	9.60	14.50	9.60	15.60	9.60	16.70	9.60
16.0		9.70	7.70	11.40	8.50	13.10	9.40	14.00	9.60	14.50	9.60	15.60	9.60	16.60	9.50
18.0		9.70	7.70	11.40	8.50	13.10	9.40	14.00	9.60	14.50	9.60	15.50	9.50	16.60	9.50
20.0		9.70	7.70	11.40	8.50	13.10	9.40	14.00	9.60	14.50	9.60	15.50	9.50	16.50	9.40
21.0		9.70	7.70	11.40	8.50	13.10	9.40	14.00	9.60	14.50	9.60	15.50	9.50	16.50	9.40
23.0		9.70	7.70	11.40	8.50	13.10	9.40	14.00	9.60	14.50	9.60	15.50	9.50	16.50	9.40
25.0		9.70	7.70	11.40	8.50	13.10	9.40	14.00	9.60	14.50	9.60	15.50	9.50	16.50	9.40
27.0		9.70	7.70	11.40	8.50	13.10	9.40	14.00	9.60	14.50	9.60	15.50	9.50	16.50	9.40
29.0		9.70	7.70	11.40	8.50	13.10	9.40	14.00	9.60	14.50	9.60	15.50	9.50	16.50	9.40
31.0		9.70	7.70	11.40	8.50	13.10	9.40	14.00	9.60	14.50	9.60	15.50	9.50	16.50	9.40
33.0		9.70	7.70	11.40	8.50	13.10	9.40	14.00	9.60	14.50	9.60	15.50	9.50	16.50	9.40
35.0		9.70	7.70	11.40	8.50	13.10	9.40	14.00	9.60	14.50	9.60	15.50	9.50	16.50	9.40
37.0		9.70	7.70	11.40	8.50	13.10	9.40	14.00	9.60	14.50	9.60	15.40	9.40	16.30	9.20
39.0		9.70	7.70	11.40	8.50	13.10	9.40	14.00	9.60	14.40	9.40	15.10	9.30	15.90	9.00

5-2 Capacity tables

Heating

TC : Total Capacity

Model	Outdoor Air Temp. (°C)		Indoor temperature				
			16 (°C, DB) TC(kW)	18 (°C, DB) TC(kW)	20 (°C, DB) TC(kW)	22 (°C, DB) TC(kW)	24 (°C, DB) TC(kW)
	DB	WB					
4.50	-20.0	-21.0	3.10	3.10	2.90	2.90	2.90
	-17.0	-18.0	3.20	3.20	3.10	3.00	3.00
	-15.0	-16.0	3.30	3.30	3.20	3.10	3.00
	-12.0	-13.0	3.50	3.40	3.40	3.30	3.20
	-10.0	-11.0	3.70	3.60	3.60	3.50	3.50
	-7.0	-8.0	3.90	3.80	3.80	3.70	3.60
	-5.0	-6.0	4.10	4.00	4.00	3.90	3.70
	-3.0	-4.0	4.30	4.20	4.20	4.00	3.90
	0.0	-1.0	4.50	4.40	4.40	4.20	4.00
	3.0	2.2	4.70	4.70	4.60	4.40	4.20
	5.0	4.1	4.90	4.90	4.80	4.50	4.20
	7.0	6.0	5.10	5.10	5.00	4.60	4.20
	9.0	7.9	5.30	5.20	5.00	4.60	4.20
	11.0	9.8	5.50	5.20	5.00	4.60	4.20
	13.0	12.0	5.60	5.30	5.00	4.60	4.20
15.0	14.0	5.80	5.40	5.00	4.60	4.20	
5.60	-20.0	-21.0	3.90	3.80	3.80	3.70	3.70
	-17.0	-18.0	4.00	4.00	3.90	3.80	3.80
	-15.0	-16.0	4.20	4.10	4.00	3.90	3.80
	-12.0	-13.0	4.40	4.30	4.20	4.20	4.10
	-10.0	-11.0	4.60	4.60	4.50	4.40	4.40
	-7.0	-8.0	4.90	4.80	4.80	4.70	4.50
	-5.0	-6.0	5.20	5.10	5.00	4.90	4.70
	-3.0	-4.0	5.40	5.30	5.30	5.10	4.90
	0.0	-1.0	5.70	5.60	5.50	5.30	5.00
	3.0	2.2	5.90	5.90	5.80	5.60	5.30
	5.0	4.1	6.20	6.10	6.00	5.70	5.30
	7.0	6.0	6.50	6.40	6.30	5.80	5.30
	9.0	7.9	6.70	6.50	6.30	5.80	5.30
	11.0	9.8	6.90	6.60	6.30	5.80	5.30
	13.0	12.0	7.10	6.70	6.30	5.80	5.30
15.0	14.0	7.30	6.80	6.30	5.80	5.30	
7.10	-20.0	-21.0	4.90	4.90	4.80	4.70	4.70
	-17.0	-18.0	5.10	5.00	4.90	4.80	4.80
	-15.0	-16.0	5.30	5.20	5.10	4.90	4.80
	-12.0	-13.0	5.60	5.50	5.40	5.30	5.20
	-10.0	-11.0	5.90	5.80	5.70	5.60	5.60
	-7.0	-8.0	6.20	6.10	6.00	5.90	5.80
	-5.0	-6.0	6.50	6.50	6.40	6.20	6.00
	-3.0	-4.0	6.90	6.80	6.70	6.40	6.20
	0.0	-1.0	7.20	7.10	7.00	6.70	6.40
	3.0	2.2	7.60	7.50	7.30	7.10	6.80
	5.0	4.1	7.90	7.80	7.70	7.20	6.80
	7.0	6.0	8.20	8.10	8.00	7.40	6.80
	9.0	7.9	8.50	8.20	8.00	7.40	6.80
	11.0	9.8	8.70	8.40	8.00	7.40	6.80
	13.0	12.0	9.00	8.50	8.00	7.40	6.80
15.0	14.0	9.20	8.60	8.00	7.40	6.80	
9.00	-20.0	-21.0	6.00	6.00	5.90	5.80	5.80
	-17.0	-18.0	6.30	6.30	6.10	6.00	5.90
	-15.0	-16.0	6.70	6.50	6.30	6.10	6.00
	-12.0	-13.0	7.00	6.90	6.70	6.60	6.50
	-10.0	-11.0	7.30	7.20	7.10	7.00	7.00
	-7.0	-8.0	7.80	7.70	7.60	7.40	7.20
	-5.0	-6.0	8.20	8.10	8.00	7.70	7.50
	-3.0	-4.0	8.60	8.50	8.40	8.10	7.70
	0.0	-1.0	9.00	8.90	8.80	8.40	8.00
	3.0	2.2	9.40	9.30	9.20	8.80	8.40
	5.0	4.1	9.90	9.70	9.60	9.00	8.40
	7.0	6.0	10.30	10.10	10.00	9.20	8.40
	9.0	7.9	10.60	10.30	10.00	9.20	8.40
	11.0	9.8	10.90	10.50	10.00	9.20	8.40
	13.0	12.0	11.20	10.60	10.00	9.20	8.40
15.0	14.0	11.60	10.80	10.00	9.20	8.40	
11.20	-20.0	-21.0	7.40	7.40	7.30	7.30	7.30
	-17.0	-18.0	8.00	7.80	7.60	7.50	7.40
	-15.0	-16.0	8.40	8.10	7.90	7.70	7.50
	-12.0	-13.0	8.80	8.60	8.40	8.20	8.10
	-10.0	-11.0	9.20	9.00	8.90	8.80	8.70
	-7.0	-8.0	9.70	9.60	9.40	9.20	9.00
	-5.0	-6.0	10.20	10.10	9.90	9.60	9.30
	-3.0	-4.0	10.70	10.60	10.50	10.10	9.70
	0.0	-1.0	11.30	11.10	11.10	10.50	10.00
	3.0	2.2	11.80	11.60	11.50	11.00	10.60
	5.0	4.1	12.30	12.20	12.00	11.30	10.60
	7.0	6.0	12.90	12.70	12.50	11.50	10.60
	9.0	7.9	13.30	12.90	12.50	11.50	10.60
	11.0	9.8	13.70	13.10	12.50	11.50	10.60
	13.0	12.0	14.00	13.30	12.50	11.50	10.60
15.0	14.0	14.40	13.50	12.50	11.50	10.60	

5-2 Capacity tables

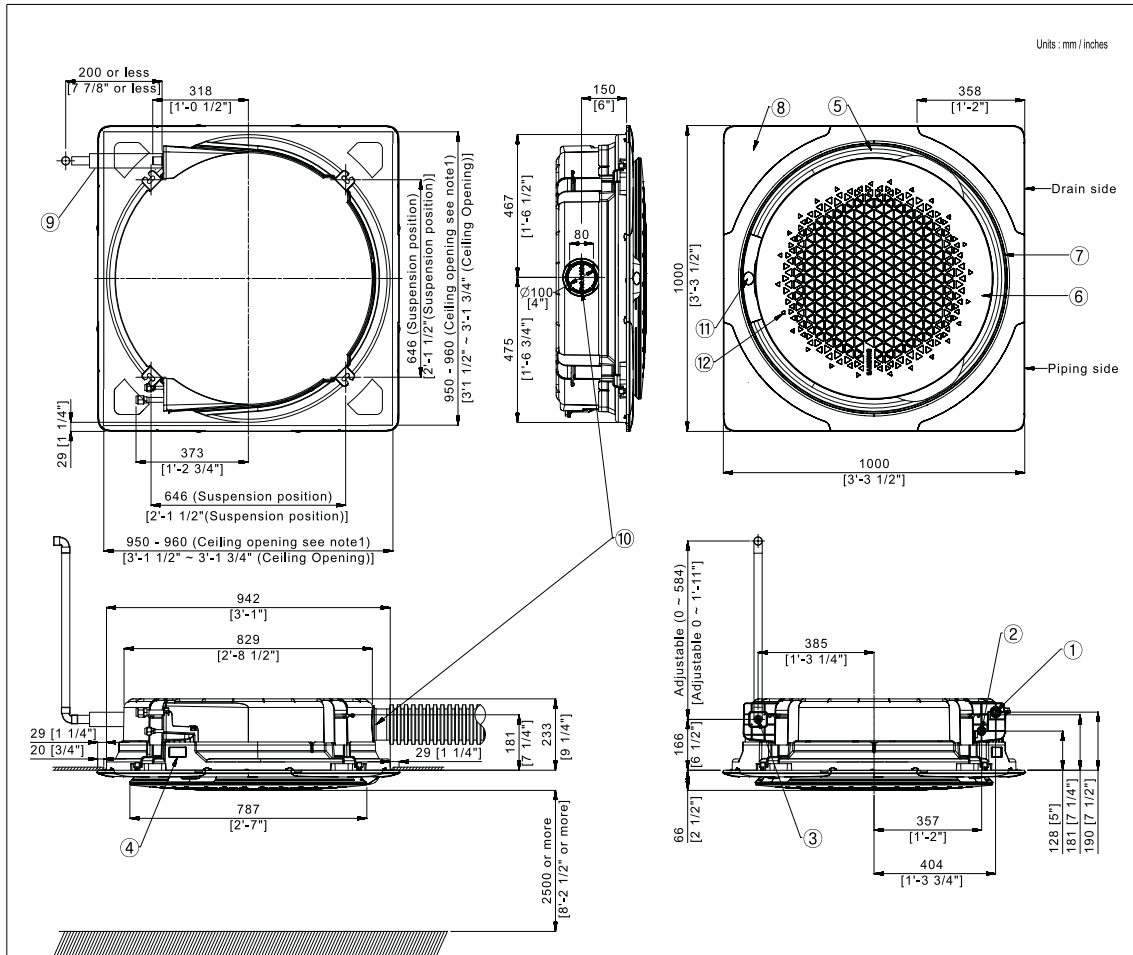
Heating

TC : Total Capacity

Model	Outdoor Air Temp. (°C)		Indoor temperature				
	DB	WB	16 (°C, DB) TC(kW)	18 (°C, DB) TC(kW)	20 (°C, DB) TC(kW)	22 (°C, DB) TC(kW)	24 (°C, DB) TC(kW)
12.80	-20.0	-21.0	8.10	8.10	8.00	8.00	8.00
	-17.0	-18.0	8.70	8.50	8.40	8.30	8.10
	-15.0	-16.0	9.20	9.00	8.70	8.50	8.20
	-12.0	-13.0	9.70	9.50	9.30	9.10	8.90
	-10.0	-11.0	10.10	10.00	9.90	9.70	9.60
	-7.0	-8.0	10.70	10.60	10.40	10.20	10.00
	-5.0	-6.0	11.30	11.10	11.00	10.70	10.30
	-3.0	-4.0	11.90	11.70	11.50	11.10	10.70
	0.0	-1.0	12.40	12.30	12.10	11.60	11.00
	3.0	2.2	13.00	12.90	12.70	12.20	11.70
	5.0	4.1	13.60	13.40	13.20	12.40	11.70
	7.0	6.0	14.20	14.00	13.80	12.70	11.70
	9.0	7.9	14.60	14.20	13.80	12.70	11.70
	11.0	9.8	15.10	14.40	13.80	12.70	11.70
	13.0	12.0	15.50	14.70	13.80	12.70	11.70
	15.0	14.0	15.90	14.90	13.80	12.70	11.70
14.00	-20.0	-21.0	9.50	9.50	9.40	9.40	9.30
	-17.0	-18.0	10.00	9.90	9.60	9.60	9.40
	-15.0	-16.0	10.70	10.40	10.10	9.80	9.50
	-12.0	-13.0	11.20	11.00	10.80	10.60	10.30
	-10.0	-11.0	11.70	11.60	11.40	11.30	11.10
	-7.0	-8.0	12.40	12.20	12.10	11.80	11.50
	-5.0	-6.0	13.10	12.90	12.70	12.30	12.00
	-3.0	-4.0	13.80	13.60	13.40	12.90	12.40
	0.0	-1.0	14.40	14.20	14.00	13.40	12.80
	3.0	2.2	15.10	14.90	14.70	14.10	13.50
	5.0	4.1	15.80	15.60	15.30	14.40	13.50
	7.0	6.0	16.50	16.20	16.00	14.80	13.50
	9.0	7.9	17.00	16.50	16.00	14.80	13.50
	11.0	9.8	17.50	16.70	16.00	14.80	13.50
	13.0	12.0	18.00	17.00	16.00	14.80	13.50
	15.0	14.0	18.50	17.20	16.00	14.80	13.50

5-3 Dimensional drawing

AM045KN4DEH/TK, AM056KN4DEH/TK, AM071KN4DEH/TK, AM090KN4DEH/TK



Note

1. Make sure the spacing between the ceiling and the cassette is no more than 10mm[3/8"].
2. When the conditions exceed 30°C[86°F] and RH 80% in the ceiling or fresh air is inducted into the ceiling, and additional insulation is required (polyethylene foam, thickness 10mm[3/8"] or more)
3. Ceiling type panel model code : PC4NUDMAN

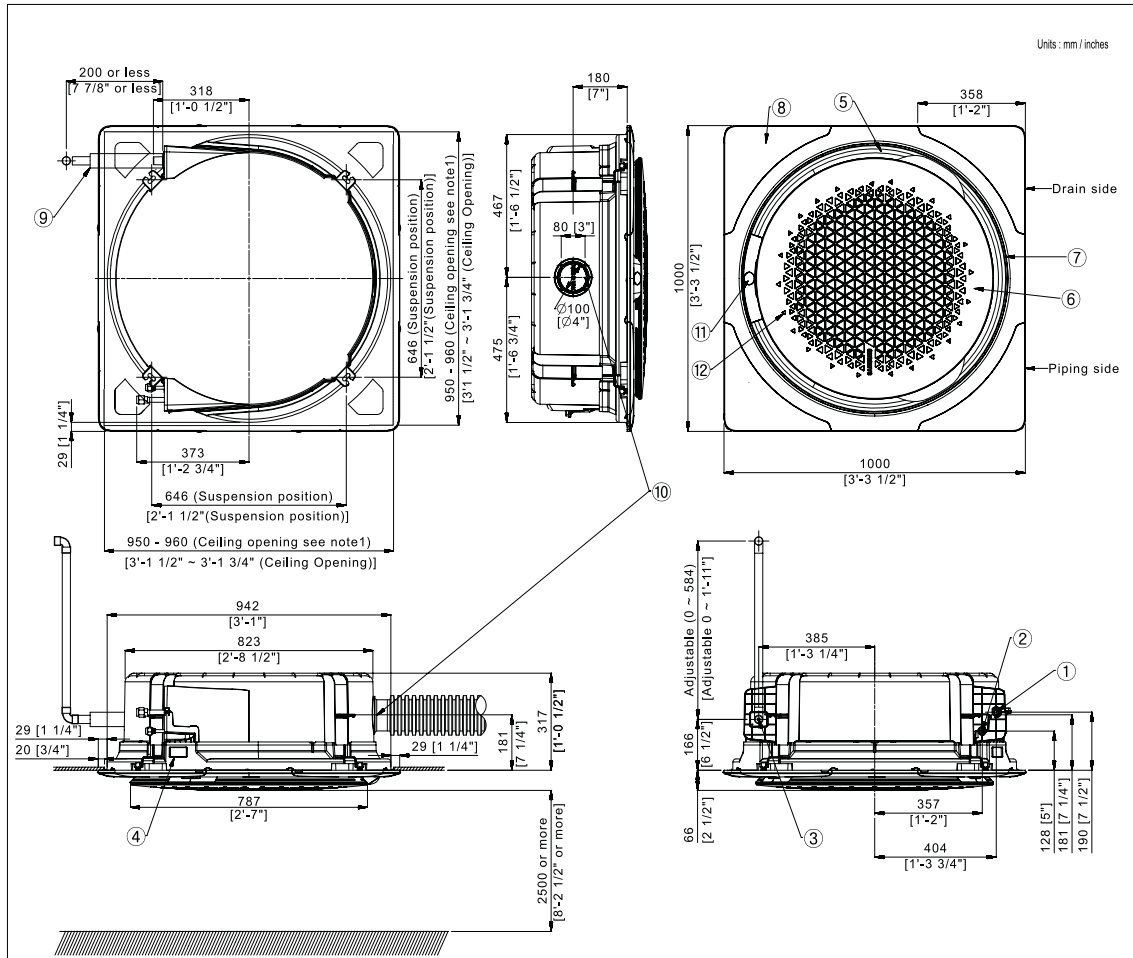
Table of descriptions

1	Refrigerant gas pipe	7	Suction rim for Booster fan
2	Refrigerant liquid pipe	8	Decoration cover
3	Condensate drain	9	Drain hose
4	Power & Comm. wiring conduits	10	Fresh air intake knock out hole
5	Air discharge opening	11	Display window
6	Air suction grille	12	Infrared receiver

5 360 cassette

5-3 Dimensional drawing

AM112KN4DEH/TK, AM128KN4DEH/TK, AM140KN4DEH/TK



Note

1. Make sure the spacing between the ceiling and the cassette is no more than 29mm [1 1/4"]. Max ceiling opening : 960mm [3'-1 3/4"]
2. When the conditions exceed 30°C and RH 80% in the ceiling or fresh air is inducted into the ceiling, and additional insulation is required (polyethylene foam, thickness 10mm [3/8"] or more)
3. Ceiling type panel model code : PC4NUDMAN

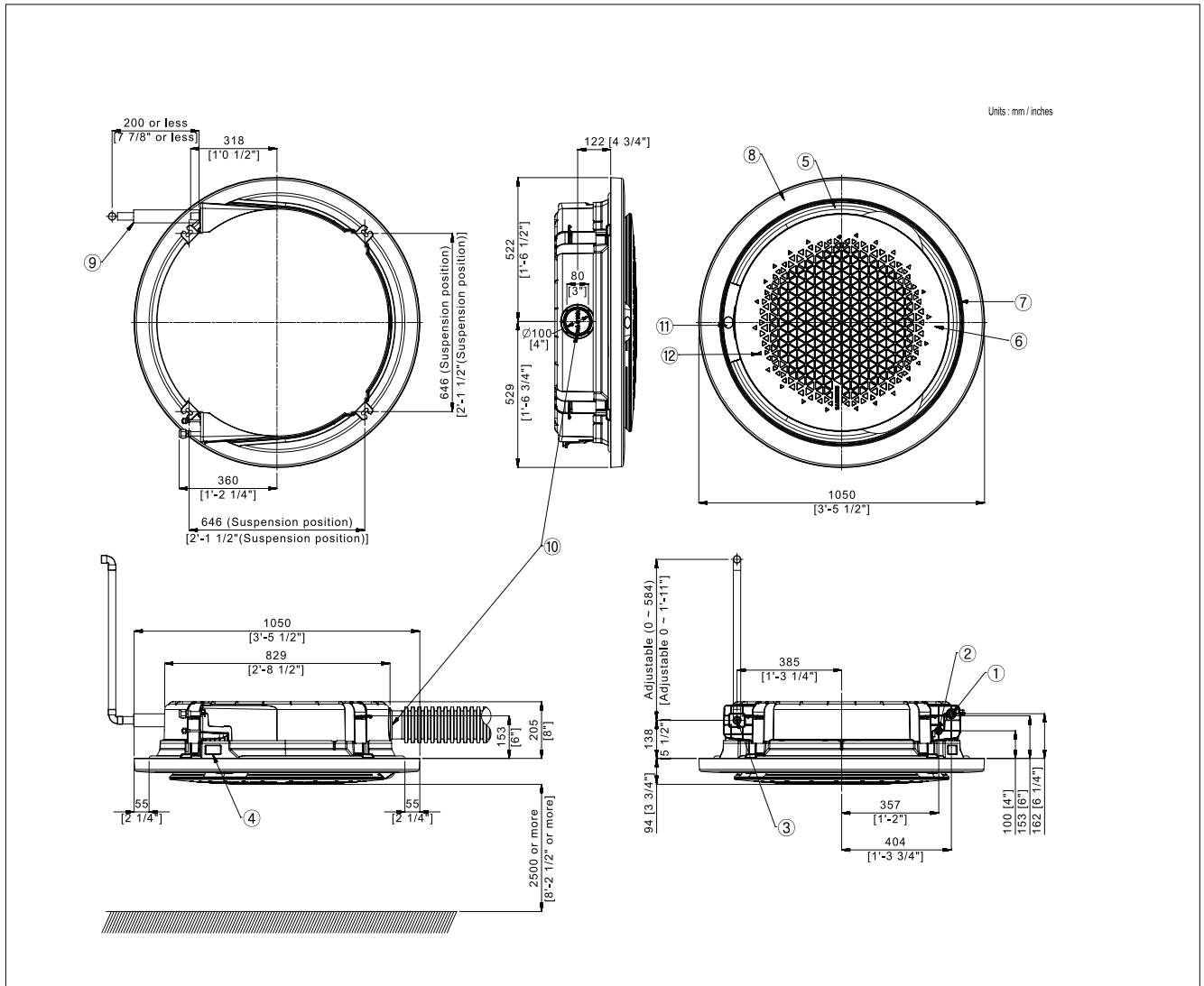
Table of descriptions

1	Refrigerant gas pipe	7	Suction rim for Booster fan
2	Refrigerant liquid pipe	8	Corner decoration cover
3	Condensate drain	9	Drain hose
4	Power & Comm. wiring conduits	10	Fresh air intake knock out hole
5	Air discharge opening	11	Display window
6	Air suction grille	12	Infrared receiver

5 360 cassette

5-3 Dimensional drawing

AM045KN4DEH/TK, AM056KN4DEH/TK, AM071KN4DEH/TK, AM090KN4DEH/TK



Note

1. Make sure the spacing between the ceiling and the cassette is no more than 10mm[3/8"].
2. When the conditions exceed 30°C[86°F] and RH 80% in the ceiling or fresh air is induced into the ceiling, and additional insulation is required (polyethylene foam, thickness 10mm[3/8"] or more).
3. Open type panel model code : PC4NUNMAN
4. The circular panel is by default available in exposed installation.
5. Make inspection holes on the ceiling for easier installation and maintenance, as shown in the following table.
(The size of an inspection hole must be at least 450 mm x 450 mm.)
6. A suspended ceiling structure can substitute for the inspection holes.

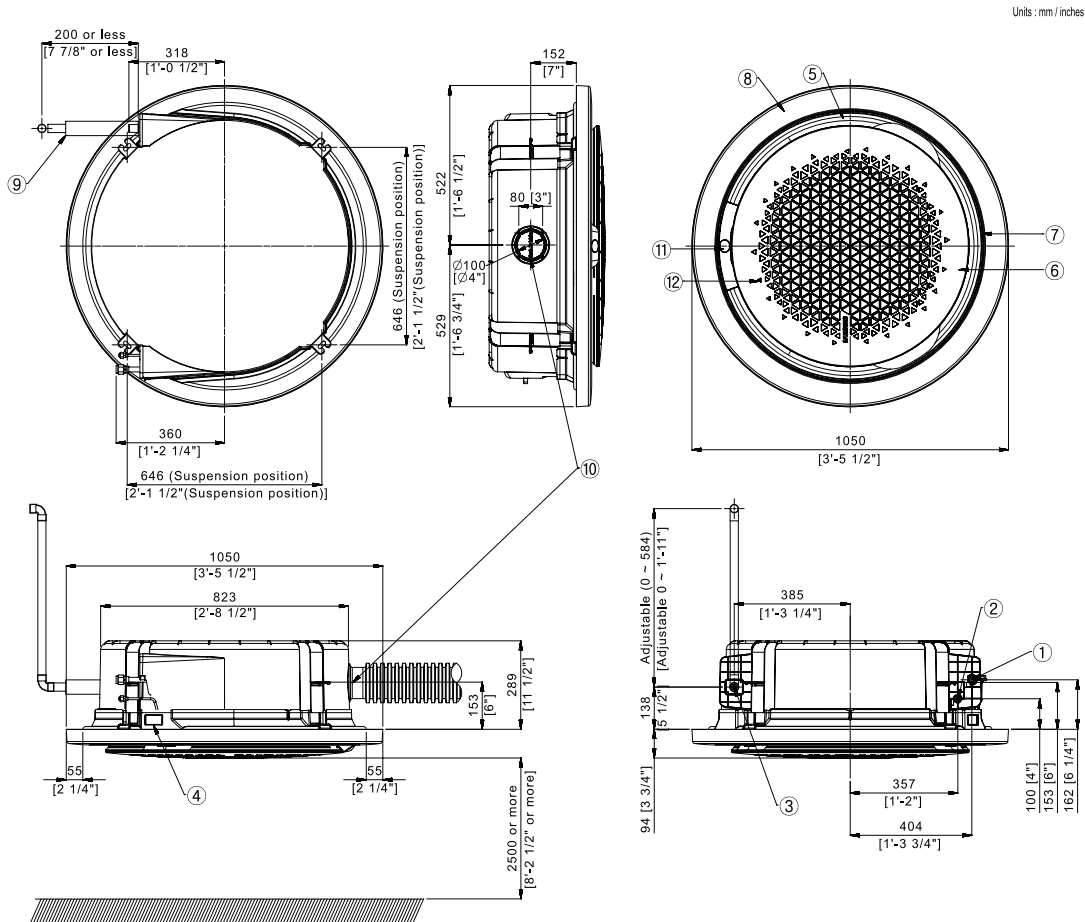
Category	Inspection hole		
	Recessed installation		Exposed installation
	Integrated	Suspended	
Square panel	1 ea		
Circular panel	2 ea		

Table of descriptions

1	Refrigerant gas pipe	7	Suction rim for Booster fan
2	Refrigerant liquid pipe	8	Decoration cover
3	Condensate drain	9	Drain hose
4	Power & Comm. wiring conduits	10	Fresh air intake knock out hole
5	Air discharge opening	11	Display window
6	Air suction grille	12	Infrared receiver

5-3 Dimensional drawing

AM112KN4DEH/TK, AM128KN4DEH/TK, AM140KN4DEH/TK



Note

1. Make sure the spacing between the ceiling and the cassette is no more than 10mm[3/8"].
2. When the conditions exceed 30°C [86°F] and RH 80% in the ceiling or fresh air is inducted into the ceiling, and additional insulation is required (polyethylene foam, thickness 10mm[3/8"] or more)
3. Open type panel model code : PC4NUNMAN
4. The circular panel is by default available in exposed installation.
5. Make inspection holes on the ceiling for easier installation and maintenance, as shown in the following table.
(The size of an inspection hole must be at least 450 mm x 450 mm.)
6. A suspended ceiling structure can substitute for the inspection holes.

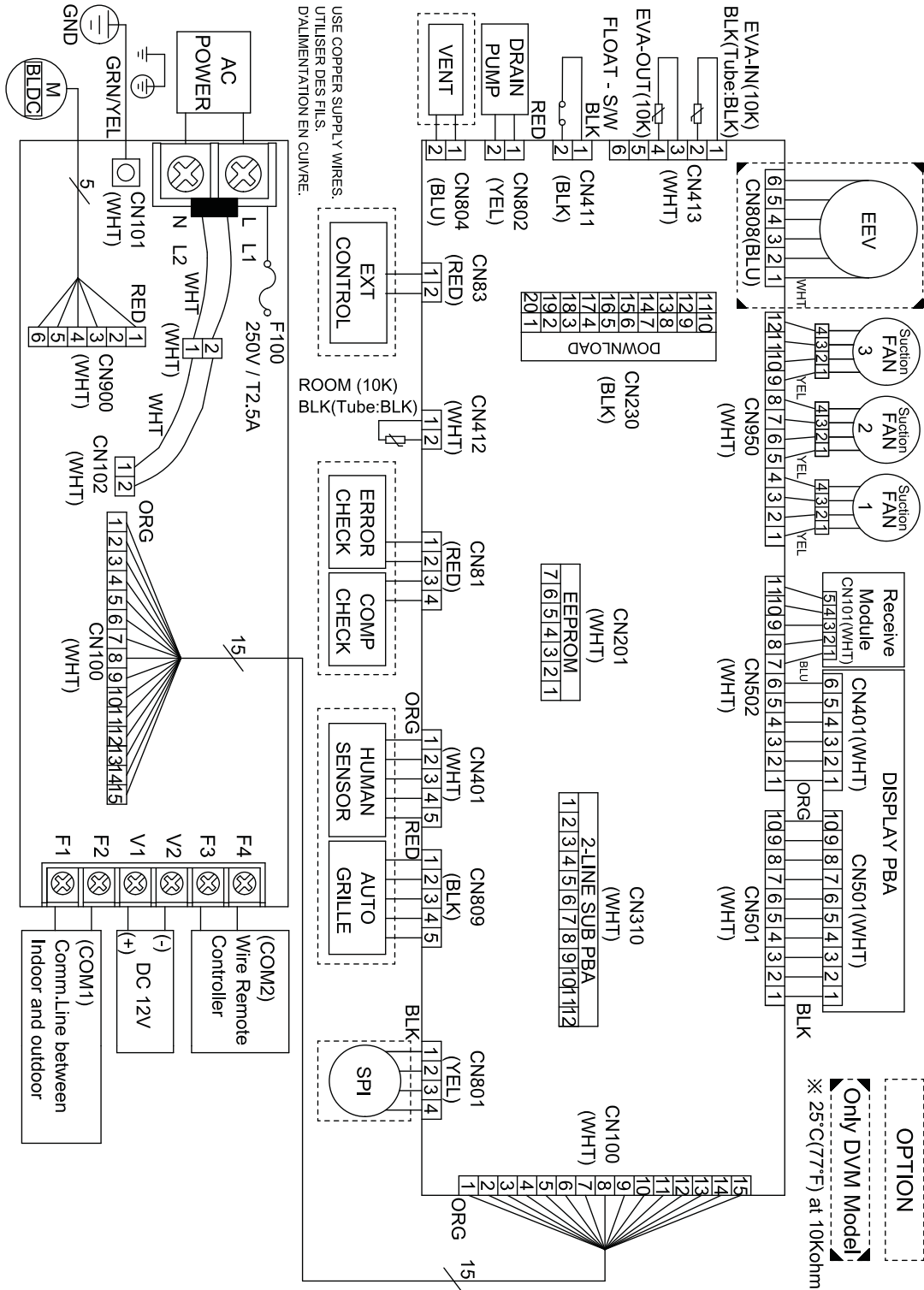
Category	Inspection hole		
	Recessed installation		Exposed installation
	Integrated	Suspended	
Square panel	1 ea		
Circular panel	2 ea		

Table of descriptions

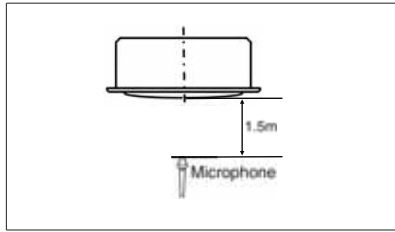
1	Refrigerant gas pipe	7	Suction rim for Booster fan
2	Refrigerant liquid pipe	8	Decoration cover
3	Condensate drain	9	Drain hose
4	Power & Comm. wiring conduits	10	Fresh air intake knock out hole
5	Air discharge opening	11	Display window
6	Air suction grille	12	Infrared receiver

5-4 Electrical wiring diagram

AM045KN4DEH/TK, AM056KN4DEH/TK, AM071KN4DEH/TK, AM090KN4DEH/TK, AM112KN4DEH/TK, AM128KN4DEH/TK, AM140KN4DEH/TK



5-5 Sound pressure level



Unit: dB(A)

Model	High	Low
AM045KN4DEH/TK	33	29
AM056KN4DEH/TK	34	29
AM071KN4DEH/TK	36	30
AM090KN4DEH/TK	40	32

Note

* Specifications may be subject to change without prior notice

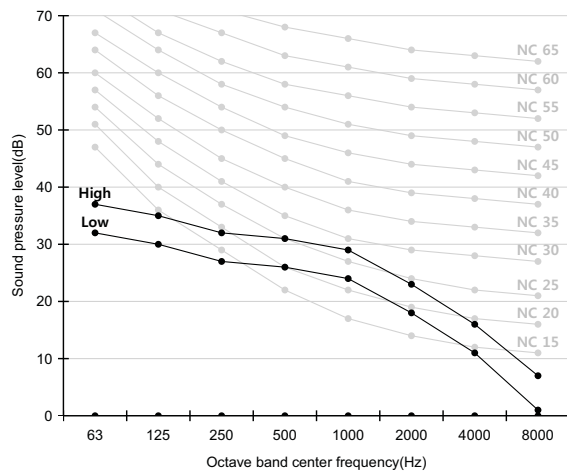
1) These operation values were obtained in an anechoic room.

2) Sound pressure level will vary depending on a range of factors such as the construction of the particular room

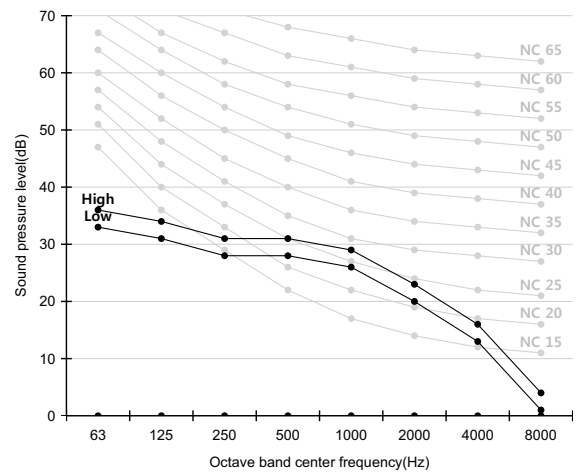
3) Operation sound level may differ depending on operation and ambient conditions.

NC curve

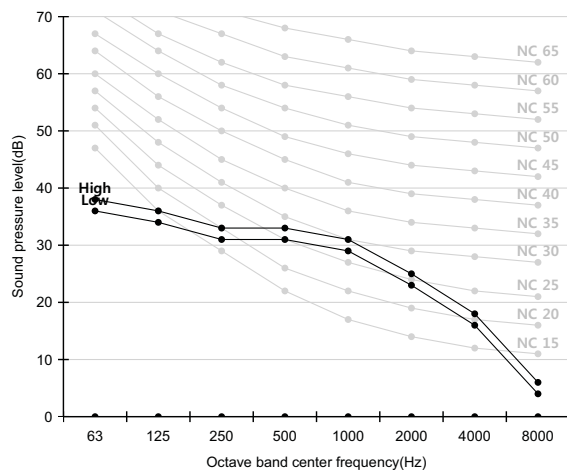
1) AM045KN4DEH/TK



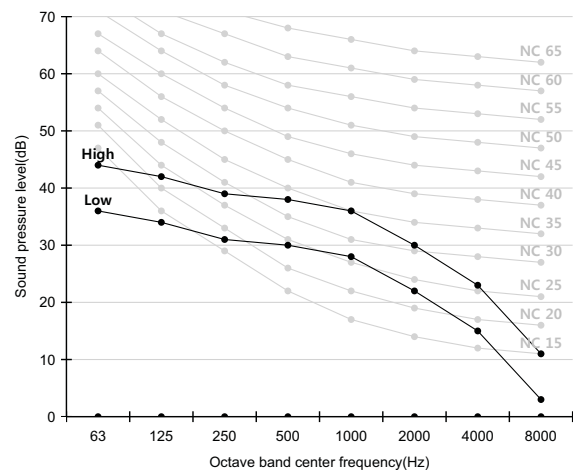
2) AM056KN4DEH/TK



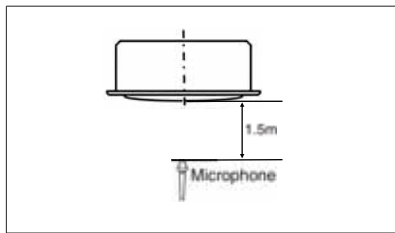
3) AM071KN4DEH/TK



4) AM090KN4DEH/TK



5-5 Sound pressure level



Unit: dB(A)

Model	High	Low
AM112KN4DEH/TK	40	32
AM128KN4DEH/TK	42	33
AM140KN4DEH/TK	44	35

Note

* Specifications may be subject to change without prior notice

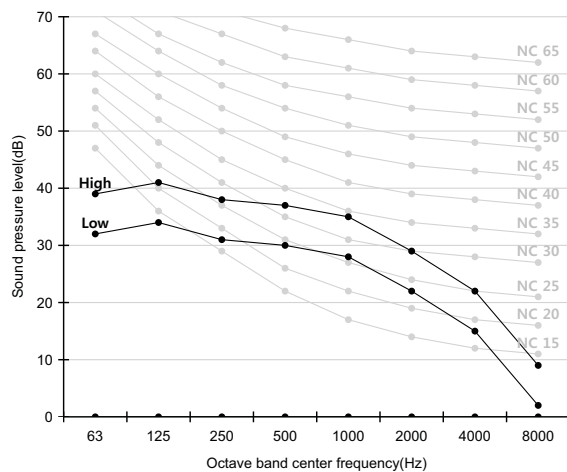
1) These operation values were obtained in an anechoic room.

2) Sound pressure level will vary depending on a range of factors such as the construction of the particular room

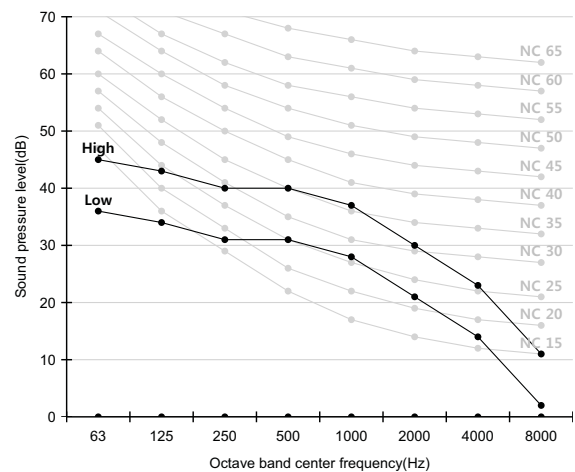
3) Operation sound level may differ depending on operation and ambient conditions.

NC curve

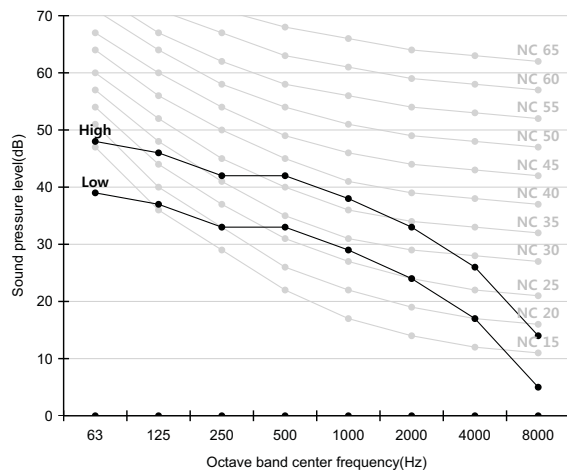
1) AM112KN4DEH/TK



2) AM128KN4DEH/TK



3) AM140KN4DEH/TK

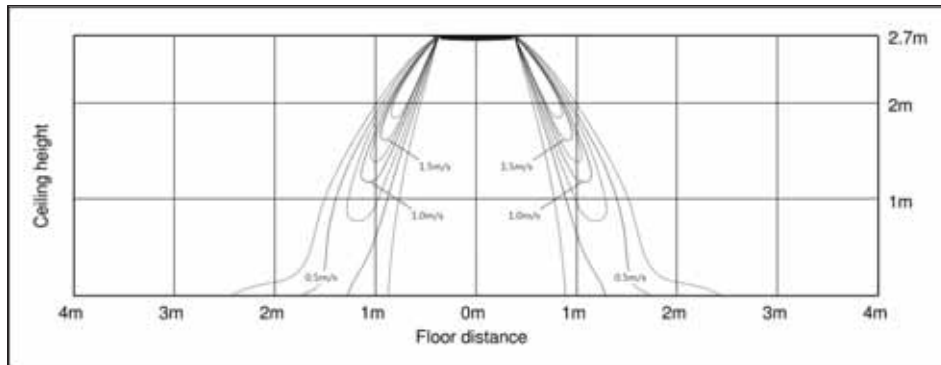


5-6 Temperature and air flow distribution

AM045KN4DEH/TK

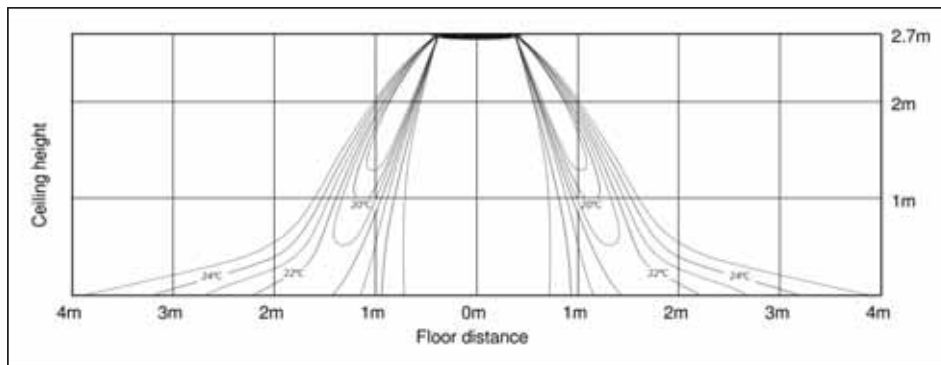
(1) Cooling air velocity distribution

Discharge angle : 60°



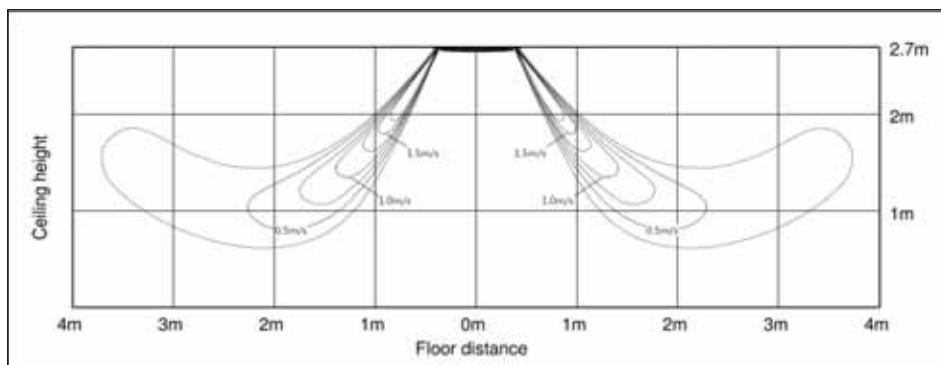
(2) Cooling temperature distribution

Discharge angle : 60°



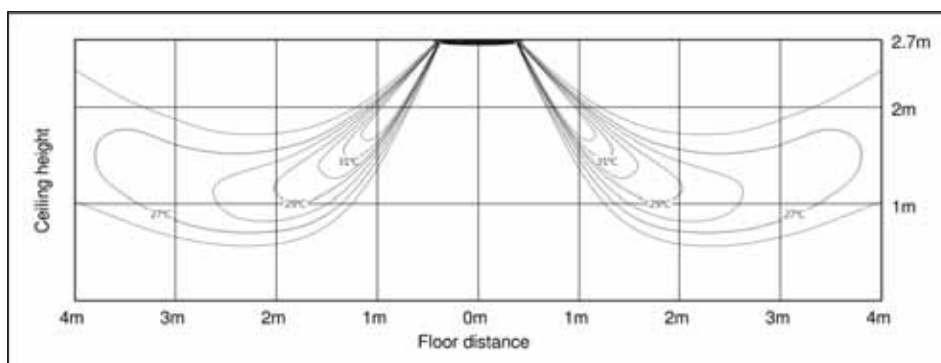
(3) Heating air velocity distribution

Discharge angle : 60°



(4) Heating temperature distribution

Discharge angle : 60°

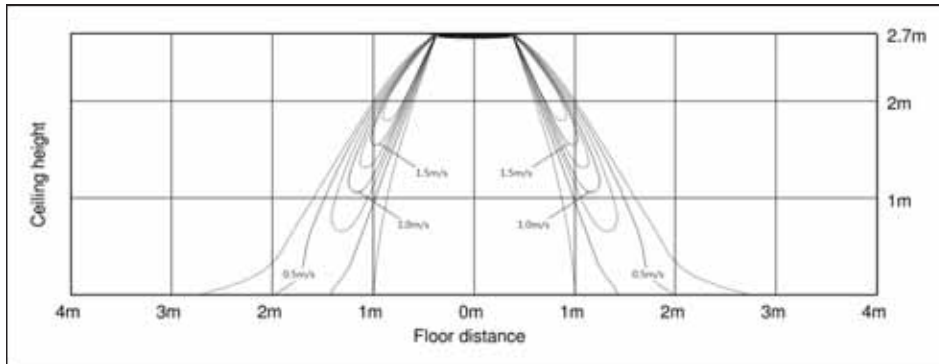


5-6 Temperature and air flow distribution

AM056KN4DEH/TK

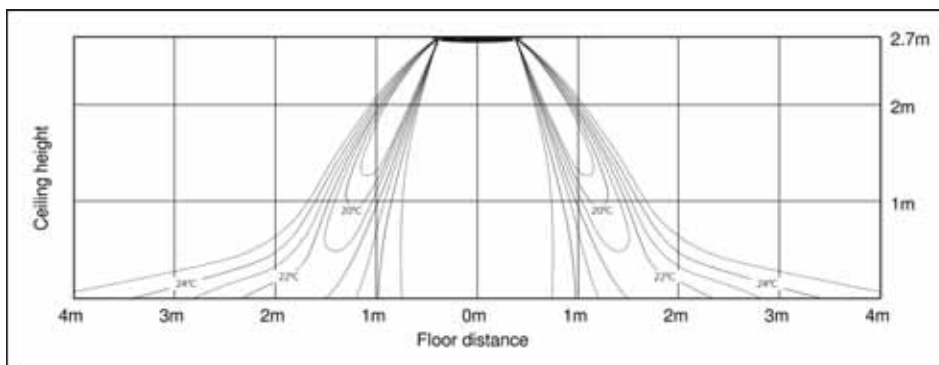
(1) Cooling air velocity distribution

Discharge angle : 60°



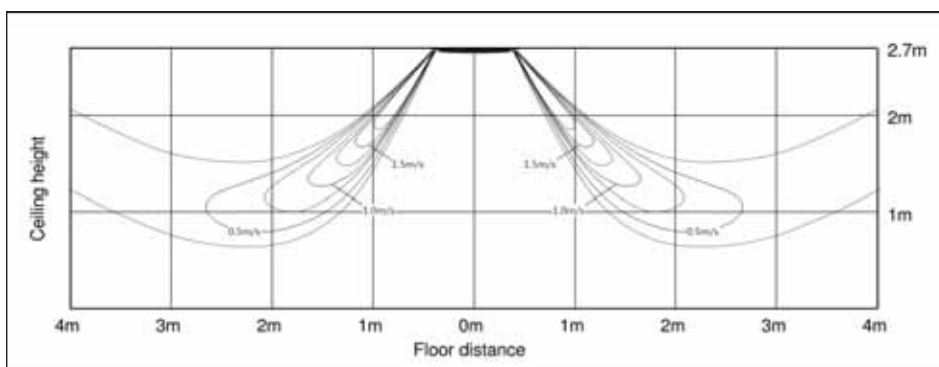
(2) Cooling temperature distribution

Discharge angle : 60°



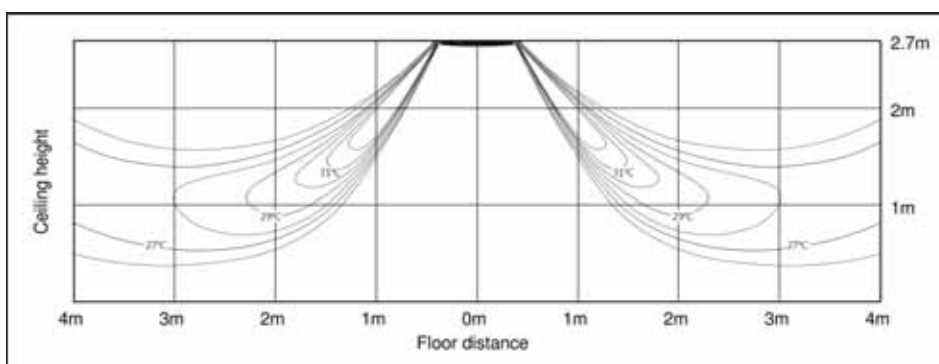
(3) Heating air velocity distribution

Discharge angle : 60°



(4) Heating temperature distribution

Discharge angle : 60°

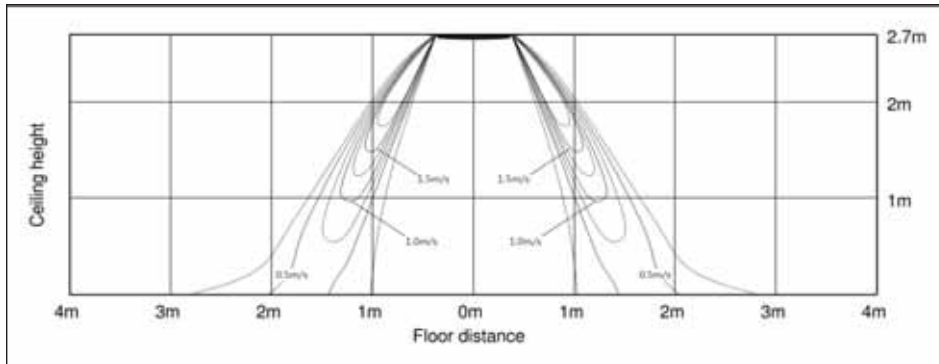


5-6 Temperature and air flow distribution

AM071KN4DEH/TK

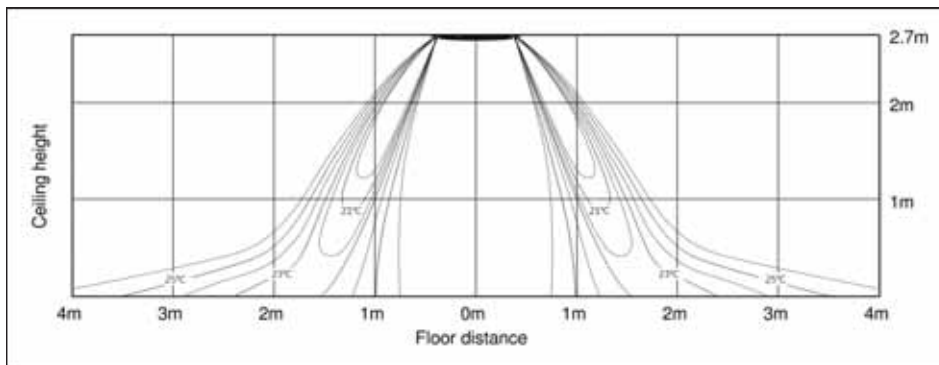
(1) Cooling air velocity distribution

Discharge angle : 60°



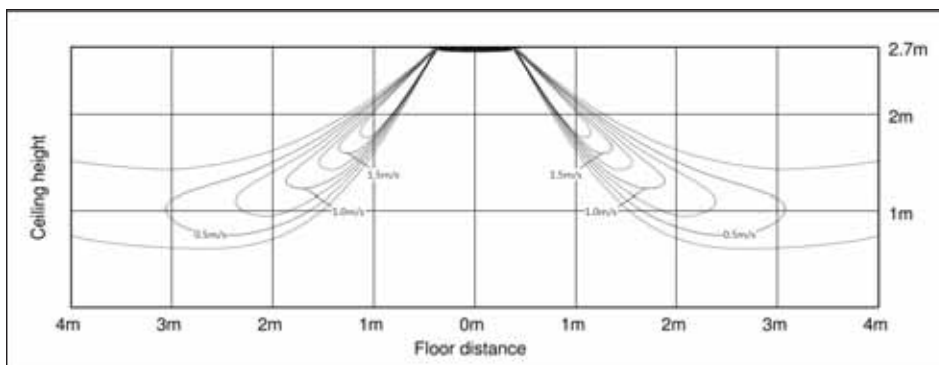
(2) Cooling temperature distribution

Discharge angle : 60°



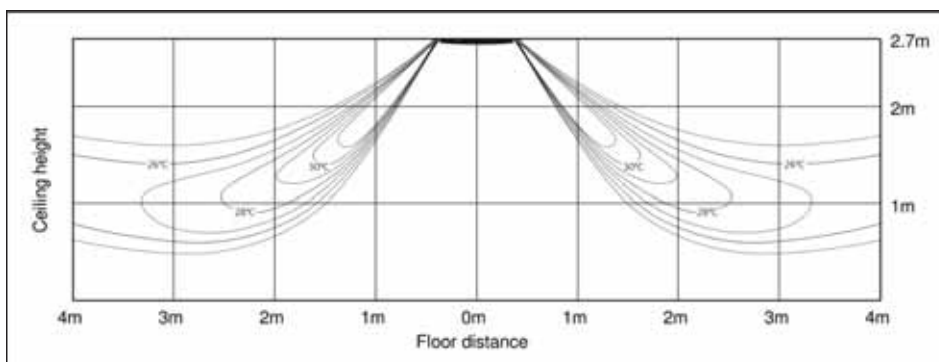
(3) Heating air velocity distribution

Discharge angle : 60°



(4) Heating temperature distribution

Discharge angle : 60°

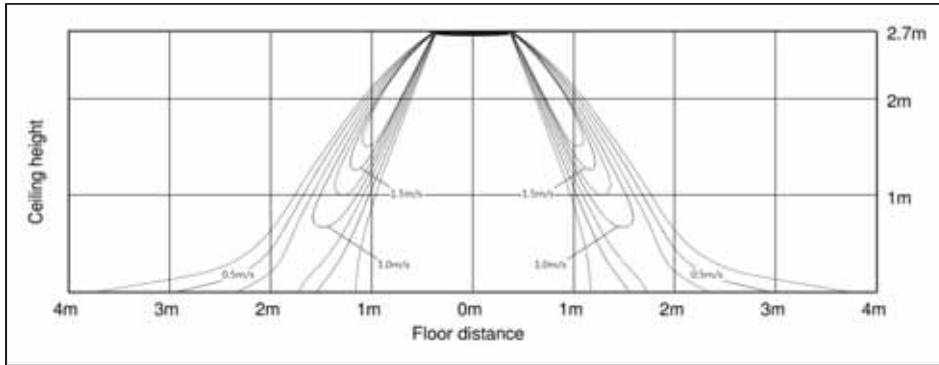


5-6 Temperature and air flow distribution

AM090KN4DEH/TK

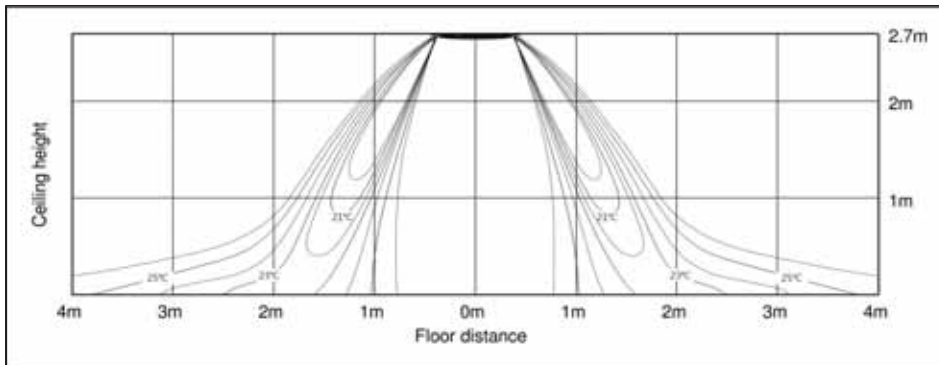
(1) Cooling air velocity distribution

Discharge angle : 60°



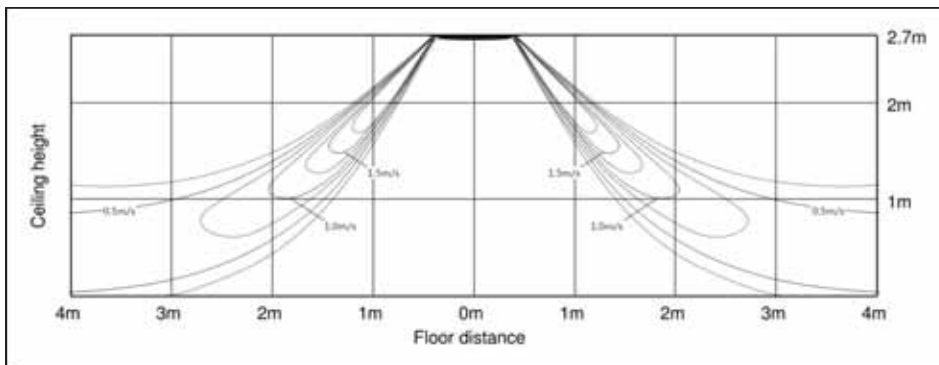
(2) Cooling temperature distribution

Discharge angle : 60°



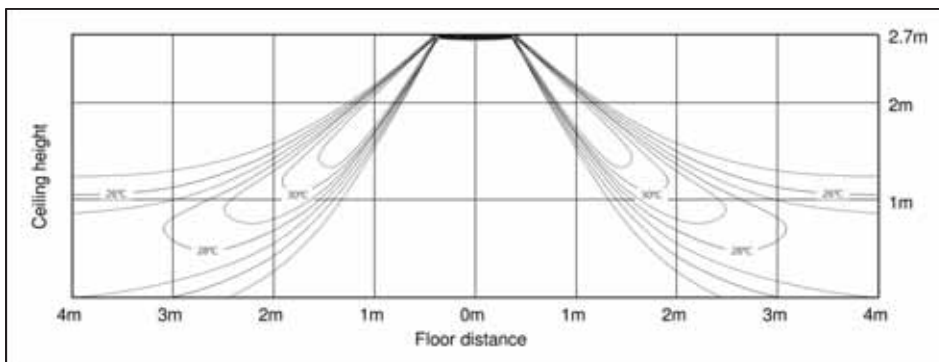
(3) Heating air velocity distribution

Discharge angle : 60°



(4) Heating temperature distribution

Discharge angle : 60°

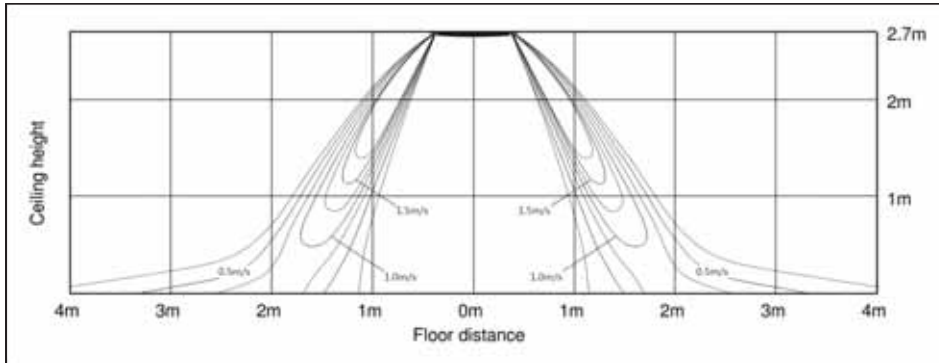


5-6 Temperature and air flow distribution

AM112KN4DEH/TK

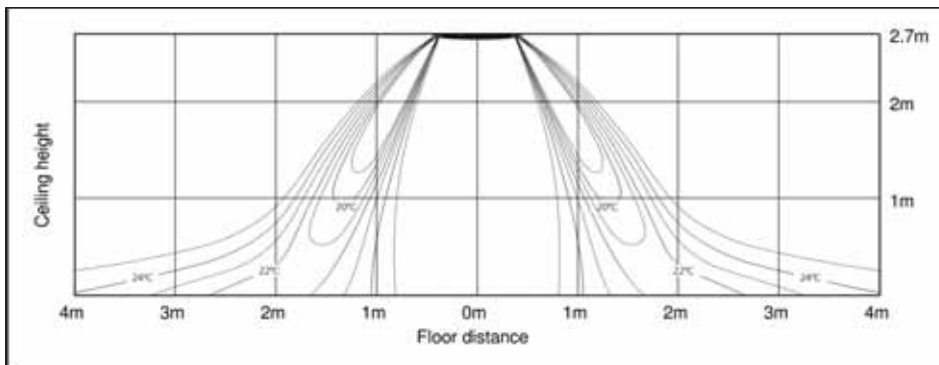
(1) Cooling air velocity distribution

Discharge angle : 60°



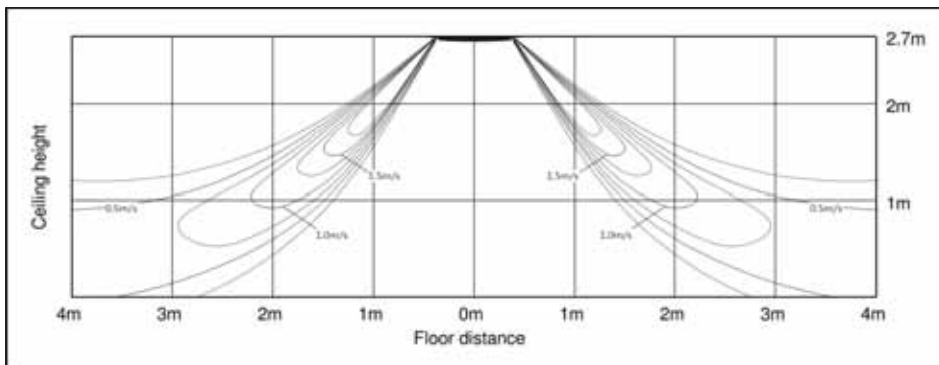
(2) Cooling temperature distribution

Discharge angle : 60°



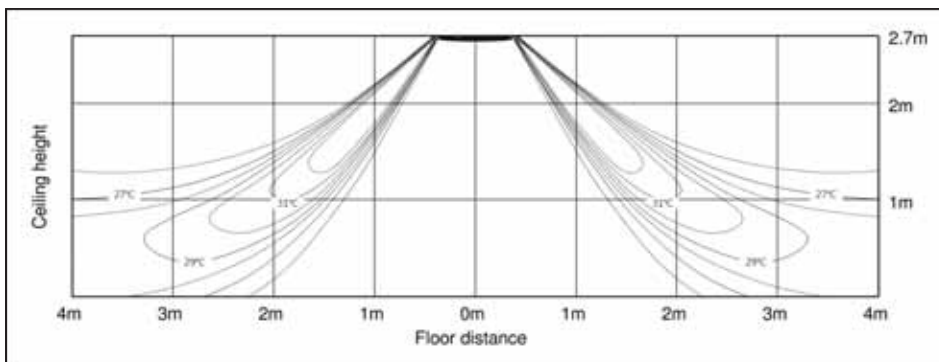
(3) Heating air velocity distribution

Discharge angle : 60°



(4) Heating temperature distribution

Discharge angle : 60°

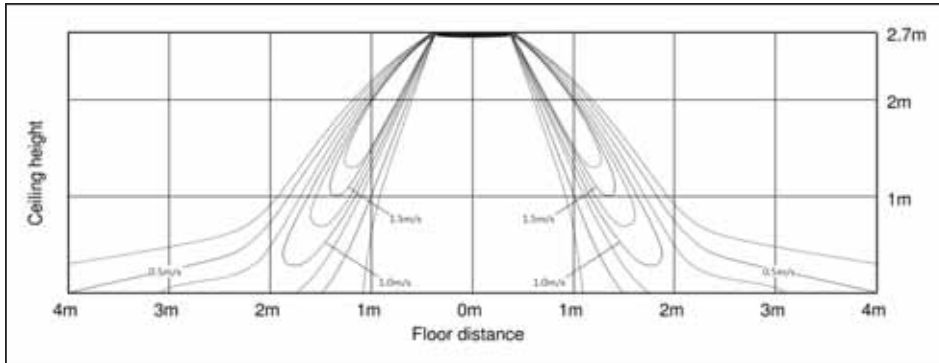


5-6 Temperature and air flow distribution

AM128KN4DEH/TK

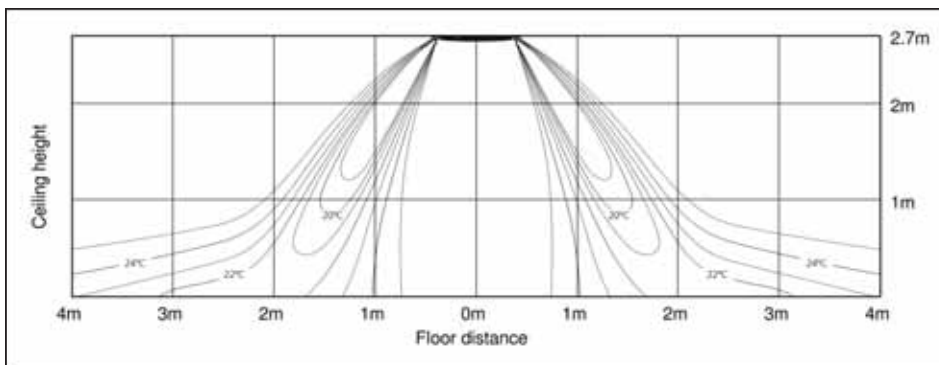
(1) Cooling air velocity distribution

Discharge angle : 60°



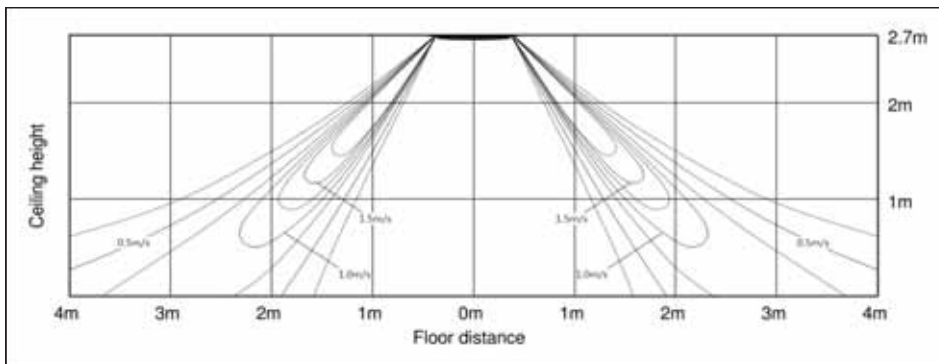
(2) Cooling temperature distribution

Discharge angle : 60°



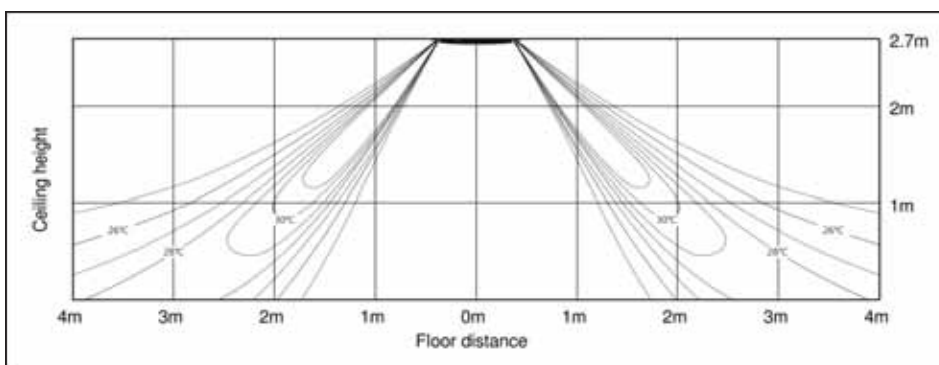
(3) Heating air velocity distribution

Discharge angle : 60°



(4) Heating temperature distribution

Discharge angle : 60°

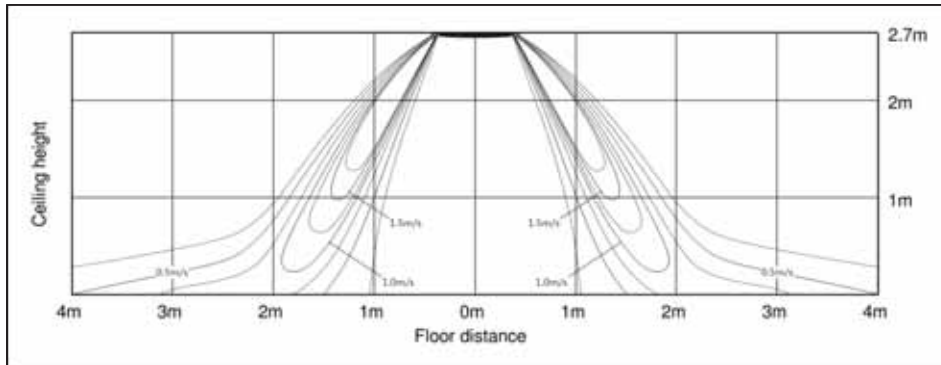


5-6 Temperature and air flow distribution

AM140KN4DEH/TK

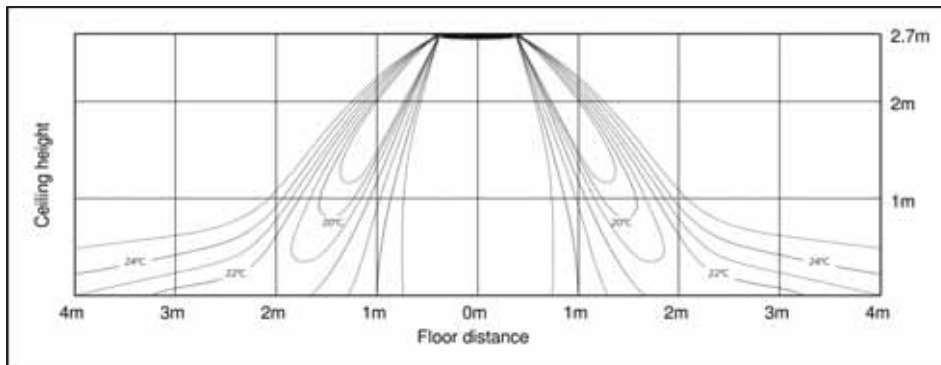
(1) Cooling air velocity distribution

Discharge angle : 60°



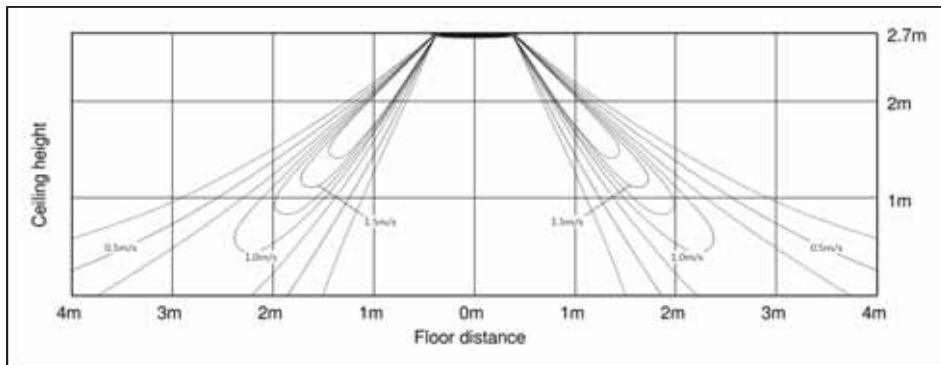
(2) Cooling temperature distribution

Discharge angle : 60°



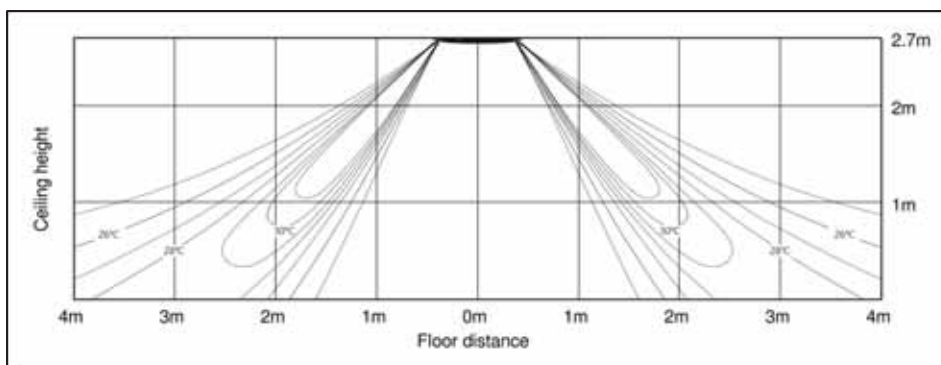
(3) Heating air velocity distribution

Discharge angle : 60°



(4) Heating temperature distribution

Discharge angle : 60°



6 Slim duct

- 6-1. Specifications
- 6-2. Capacity tables
- 6-3. Dimensional drawing
- 6-4. Electrical wiring diagram
- 6-5. Sound pressure level
- 6-6. Recommended operation range

6-1. Specifications

Model				AM022FNLDEH***	AM028FNLDEH***	AM036FNLDEH***	AM045FNLDEH***	AM056FNLDEH***
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode *1)			-	HP	HP	HP	HP	HP
Performance	Capacity (Nominal)	Cooling *2)	kW	2.2	2.8	3.6	4.5	5.6
			Btu/h	7,500	9,600	12,300	15,400	19,100
	Heating *3)	kW	2.5	3.2	4.0	5.0	6.3	
		Btu/h	8,500	10,900	13,600	17,100	21,500	
Power	Power Input (Nominal)	Cooling *2)	W	55	60	65	90	95
				Heating *3)	55	60	65	90
	Current Input (Nominal)	Cooling *2)	A	0.30	0.32	0.33	0.52	0.53
				Heating *3)	0.30	0.32	0.33	0.52
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
		Output	W	-	-	-	-	-
		Number of unit	EA	1	1	1	1	1
	Air Flow Rate	H/M/L (UL)	CMM	7.00/6.10/5.30	7.50/6.60/5.60	7.50/6.60/5.60	11.00/9.60/8.30	12.00/10.50/9.00
			l/s	116.67/101.67/88.33	125.00/110.00/93.33	125.00/110.00/93.33	183.33/160.00/138.33	200.00/175.00/150.00
	External Static Pressure	Mid/Std/Max	mmAq	0.00/1.00/3.00	0.00/1.00/3.00	0.00/1.00/3.00	0.00/2.00/4.00	0.00/2.00/4.00
			Pa	0.00/9.81/29.42	0.00/9.81/29.42	0.00/9.81/29.42	0.00/19.61/39.23	0.00/19.61/39.23
WG			0/0.039/0.118	0/0.039/0.118	0/0.039/0.118	0/0.079/0.157	0/0.079/0.157	
Option Code			-	010054-125AC3-201616-331110	010054-125E15-201C1C-331110	010054-125E68-202424-331110	010054-125AE2-202D2D-331110	010054-125E34-203838-331110
Piping Connections	Liquid Pipe	Ø, mm	6.35	6.35	6.35	6.35	6.35	
		Ø, inch	1/4	1/4	1/4	1/4	1/4	
	Gas Pipe	Ø, mm	12.70	12.70	12.70	12.70	12.70	
		Ø, inch	1/2	1/2	1/2	1/2	1/2	
Drain Pipe	Ø, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)		
Field Wiring	Power Source Wire	Below 20m/ over 20m	mm ²	1.5/2.5	1.5/2.5	1.5/2.5	1.5/2.5	1.5/2.5
	Transmission Cable		mm ²	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5
Refrigerant	Type	-	-	R410A	R410A	R410A	R410A	R410A
	Control Method	-	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound pressure	High / Mid / Low *4)	dBA	26 / 24 / 21	28 / 26 / 23	32 / 30 / 27	35 / 31 / 26	36 / 34 / 31
Dimensions	Net Weight		kg	19.00	19.00	19.50	23.50	23.50
	Shipping Weight		kg	23.00	23.00	23.50	28.00	28.00
	Net Dimensions (WxHxD)		mm	700 x 199 x 600	700 x 199 x 600	700 x 199 x 600	900 x 199 x 600	900 x 199 x 600
	Shipping Dimensions (WxHxD)		mm	950 x 270 x 710	950 x 270 x 710	950 x 270 x 710	1150 x 280 x 710	1150 x 280 x 710
Panel Size	Panel Model		-	-	-	-	-	-
	Net Weight		kg	-	-	-	-	-
	Shipping Weight		kg	-	-	-	-	-
	Net Dimensions (WxHxD)		mm	-	-	-	-	-
	Shipping Dimensions (WxHxD)		mm	-	-	-	-	-
Additional Accessories	Drain Pump	Drain Pump	-	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D
		Max. Lifting Height/ Displacement	mm/liter/h	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24
	Air Filter		-	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter

* Specifications may be subject to change without prior notice for product improvement.

*1) Mode

- HP : Heat Pump

*2) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

6-1. Specifications

Model				AM071FNLDEH***	AM090FNLDEH***	AM112FNLDEH***	AM128FNLDEH***	AM140FNLDEH***
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode *1)			-	HP	HP	HP	HP	HP
Performance	Capacity (Nominal)	Cooling *2)	kW	7.1	9.0	11.2	12.8	14.0
			Btu/h	24,200	30,700	38,200	43,700	47,800
	Heating *3)	kW	8.0	10.0	12.5	13.8	16.0	
		Btu/h	27,300	34,100	42,700	47,100	54,600	
Power	Power Input (Nominal)	Cooling *2)	W	120	170	170	200	220
				Heating *3)	120	170	170	200
	Current Input (Nominal)	Cooling *2)	A	0.60	0.96	0.96	1.28	1.43
				Heating *3)	0.60	0.96	0.96	1.28
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
		Output	W	-	-	-	-	-
		Number of unit	EA	1	1	1	1	1
	Air Flow Rate	H/M/L (UL)	CMM	16.50/15.00/13.50	29.00/27.00/25.00	31.20/29.00/27.00	34.00/32.00/30.00	36.00/34.00/32.00
			l/s	275.00/250.00/225.00	483.33/450.00/416.67	520.00/483.33/450.00	566.67/533.33/500.00	600.00/566.67/533.33
	External Static Pressure	Mid/Std/Max	mmAq	0.00/2.00/4.00	0.00/3.00/6.00	0.00/3.00/6.00	0.00/3.00/6.00	0.00/3.00/6.00
			Pa	0.00/19.61/39.23	0.00/29.42/58.84	0.00/29.42/58.84	0.00/29.42/58.84	0.00/29.42/58.84
WG			0/0.079/0.157	0/0.118/0.236	0/0.118/0.236	0/0.118/0.236	0/0.118/0.236	
Option Code			-	010054-125D9E-204747-331110	010054-1B5AD4-205A5A-331110	010054-1B5AD4-207070-331110	010054-1B5E4B-208080-331110	010054-1B5E7F-208C8C-331110
Piping Connections	Liquid Pipe	Ø, mm	9.52	9.52	9.52	9.52	9.52	
		Ø, inch	3/8	3/8	3/8	3/8	3/8	
	Gas Pipe	Ø, mm	15.88	15.88	15.88	15.88	15.88	
		Ø, inch	5/8	5/8	5/8	5/8	5/8	
Drain Pipe	Ø, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)		
Field Wiring	Power Source Wire	Below 20m/ over 20m	mm ²	1.5/2.5	1.5/2.5	1.5/2.5	1.5/2.5	1.5/2.5
	Transmission Cable		mm ²	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5
Refrigerant	Type	-	-	R410A	R410A	R410A	R410A	R410A
	Control Method	-	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound pressure	High / Mid / Low *4)	dBA	38 / 36 / 33	37 / 36 / 34	37 / 36 / 34	37 / 36 / 34	39 / 38 / 36
Dimensions	Net Weight		kg	30.00	44.00	44.00	46.00	46.00
	Shipping Weight		kg	35.00	52.00	52.00	54.00	54.00
	Net Dimensions (WxHxD)		mm	1100 x 199 x 600	1300 x 295 x 690	1300 x 295 x 690	1300 x 295 x 690	1300 x 295 x 690
	Shipping Dimensions (WxHxD)		mm	1350 x 280 x 710	1575 x 370 x 835	1575 x 370 x 835	1575 x 370 x 835	1575 x 370 x 835
Panel Size	Panel Model		-	-	-	-	-	-
	Net Weight		kg	-	-	-	-	-
	Shipping Weight		kg	-	-	-	-	-
	Net Dimensions (WxHxD)		mm	-	-	-	-	-
	Shipping Dimensions (WxHxD)		mm	-	-	-	-	-
Additional Accessories	Drain Pump	Drain Pump	-	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D
		Max. Lifting Height/ Displacement	mm/liter/h	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24
	Air Filter		-	-	Long life filter	Long life filter	Long life filter	Long life filter

* Specifications may be subject to change without prior notice for product improvement.

*1) Mode

- HP : Heat Pump

*2) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

6-2. Capacity tables

1) Cooling

TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)													
		20 (°C, DB)		23 (°C, DB)		26 (°C, DB)		27 (°C, DB)		28 (°C, DB)		30 (°C, DB)		32 (°C, DB)	
		14 (°C, WB)		16 (°C, WB)		18 (°C, WB)		19 (°C, WB)		20 (°C, WB)		22 (°C, WB)		24 (°C, WB)	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
022	10	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.5	1.7	2.6	1.5
	12	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.5	1.7	2.6	1.5
	14	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.5	1.7	2.6	1.5
	16	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.4	1.6	2.6	1.5
	18	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.4	1.6	2.6	1.5
	20	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.4	1.6	2.6	1.5
	21	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.4	1.6	2.6	1.5
	23	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.4	1.6	2.6	1.5
	25	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.4	1.6	2.6	1.5
	27	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.4	1.6	2.6	1.5
	29	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.4	1.6	2.6	1.5
	31	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.4	1.6	2.6	1.5
	33	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.4	1.6	2.6	1.5
	35	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.4	1.6	2.6	1.5
	37	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.4	1.6	2.6	1.5
	39	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.4	1.6	2.5	1.4
	42	1.5	1.3	1.8	1.5	2.1	1.7	2.1	1.6	2.2	1.6	2.3	1.6	2.4	1.4
44	1.5	1.3	1.8	1.5	2.0	1.6	2.1	1.6	2.1	1.5	2.2	1.5	2.2	1.3	
46	1.5	1.3	1.8	1.5	1.8	1.4	1.9	1.4	2.0	1.4	2.1	1.4	2.1	1.2	
028	10	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.4	2.0
	12	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	14	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	16	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	18	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	20	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	21	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	23	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	25	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	27	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	29	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	31	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	33	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	35	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	37	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	39	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.0	1.9	3.2	1.8
	42	1.9	1.7	2.3	1.9	2.6	2.0	2.7	2.0	2.8	2.1	2.9	1.9	3.0	1.8
44	1.9	1.7	2.3	1.9	2.5	1.9	2.7	2.0	2.7	2.0	2.7	1.8	2.8	1.7	
46	1.9	1.7	2.3	1.8	2.2	1.6	2.4	1.7	2.6	1.9	2.6	1.7	2.6	1.6	
036	10	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.3	2.5
	12	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.3	2.5
	14	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.3	2.5
	16	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.3	2.5
	18	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.2	2.4
	20	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.2	2.4
	21	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.2	2.4
	23	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.2	2.4
	25	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.2	2.4
	27	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.2	2.4
	29	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.2	2.4
	31	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.2	2.4
	33	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.2	2.4
	35	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.2	2.4
	37	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	3.9	2.5	4.2	2.4
	39	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	3.9	2.5	4.1	2.3
	42	2.5	2.2	2.9	2.5	3.4	2.7	3.5	2.7	3.6	2.6	3.7	2.6	3.9	2.4
44	2.5	2.2	2.9	2.5	3.2	2.6	3.4	2.6	3.5	2.5	3.5	2.5	3.6	2.3	
46	2.5	2.2	2.9	2.4	2.9	2.3	3.1	2.3	3.3	2.3	3.3	2.3	3.4	2.1	
045	10	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.4	3.3
	12	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.4	3.3
	14	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.4	3.3
	16	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.3	3.0
	18	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.3	3.0
	20	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.3	3.0
	21	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.3	3.0
	23	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.3	3.0
	25	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.3	3.0
	27	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.3	3.0
	29	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.3	3.0
	31	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.3	3.0
	33	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.3	3.0
	35	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.3	3.0
	37	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.6	3.1	4.9	3.1	5.2	3.0
	39	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.6	3.1	4.9	3.1	5.1	2.9
	42	3.1	2.8	3.7	3.2	4.2	3.3	4.4	3.3	4.5	3.2	4.6	3.1	4.8	3.2
44	3.1	2.8	3.7	3.2	4.0	3.2	4.3	3.2	4.3	3.1	4.4	3.0	4.5	3.1	
46	3.1	2.7	3.7	3.1	3.7	2.9	4.0	2.9	4.1	2.9	4.2	2.8	4.2	2.8	
056	10	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.3	4.1	6.7	3.9
	12	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.3	4.1	6.7	3.9
	14	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.7	3.9
	16	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.6	3.8
	18	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.6	3.8
	20	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.6	3.8
	21	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.6	3.8
	23	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.6	3.8
	25	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.6	3.8
	27	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.6	3.8
	29	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.6	3.8
	31	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.6	3.8
	33	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.6	3.8
	35	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.6	3.8
	37	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.1	3.9	6.5	3.7
	39	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.1	3.9	6.4	3.6
	42	3.9	3.4	4.6	3.9	5.3	4.1	5.4	4.2	5.6	4.2	5.8	4.1	6.0	3.7
44	3.9	3.4	4.6	3.9	5.0	4.0	5.3	4.1	5.4	4.1	5.5	4.0	5.6	3.5	
46	3.9	3.3	4.6												

6 Slim duct

6-2. Capacity tables

1) Cooling

TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)													
		20 (°C, DB)		23 (°C, DB)		26 (°C, DB)		27 (°C, DB)		28 (°C, DB)		30 (°C, DB)		32 (°C, DB)	
		14 (°C, WB)	16 (°C, WB)	18 (°C, WB)	19 (°C, WB)	20 (°C, WB)	22 (°C, WB)	24 (°C, WB)	TC	SHC	TC	SHC	TC	SHC	TC
071	10	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	8.0	5.7	8.5	5.4
	12	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.5	5.4
	14	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.5	5.4
	16	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	18	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	20	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	21	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	23	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	25	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	27	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	29	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	31	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	33	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	35	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	37	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.3	5.5	7.8	5.5	8.2	5.2
	39	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.3	5.5	7.7	5.4	8.1	5.1
	42	4.9	4.3	5.8	5.0	6.7	5.2	6.9	5.3	7.0	5.4	7.3	5.3	7.6	4.9
44	4.9	4.3	5.8	5.0	6.3	5.0	6.7	5.2	6.8	5.3	7.0	5.2	7.1	4.7	
46	4.9	4.2	5.7	4.8	5.8	4.5	6.2	4.7	6.5	4.9	6.7	4.8	6.7	4.3	
090	10	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.4	7.1	10.1	7.1	10.8	7.1
	12	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.4	7.1	10.1	7.1	10.8	7.1
	14	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.7	6.9
	16	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.7	6.9
	18	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	20	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	21	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	23	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	25	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	27	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	29	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	31	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	33	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	35	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	37	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	9.9	6.9	10.4	6.7
	39	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.2	6.9	9.7	6.8	10.2	6.6
	42	6.2	5.5	7.3	6.3	8.4	6.7	8.7	6.7	8.9	6.8	9.3	6.6	9.6	6.4
44	6.2	5.5	7.3	6.3	8.0	6.5	8.6	6.6	8.6	6.7	8.8	6.4	9.0	6.2	
46	6.2	5.4	7.2	6.1	7.3	5.8	7.8	5.8	8.2	6.2	8.4	5.9	8.5	5.7	
112	10	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.5	8.9	13.4	8.6
	12	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.5	8.9	13.4	8.6
	14	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.5	8.9	13.4	8.6
	16	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.5	8.9	13.3	8.5
	18	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.5	8.9	13.3	8.5
	20	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	21	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	23	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	25	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	27	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	29	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	31	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	33	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	35	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	37	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.9	13.2	8.5
	39	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.3	8.8	13.0	8.4
	42	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.5	8.7	12.1	8.7	12.7	8.2
44	7.7	6.8	9.1	7.7	10.0	8.0	10.6	8.3	10.8	8.2	11.0	8.2	11.2	8.0	
46	7.7	6.7	9.0	7.4	9.4	7.4	10.0	7.6	10.3	7.6	10.5	7.6	10.5	7.3	
128	10	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.3	9.9	15.4	9.8
	12	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.3	9.9	15.3	9.7
	14	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.3	9.9	15.3	9.7
	16	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.2	9.8	15.2	9.7
	18	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.2	9.8	15.1	9.6
	20	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.2	9.8	15.1	9.6
	21	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.2	9.8	15.1	9.6
	23	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.2	9.8	15.1	9.6
	25	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.2	9.8	15.1	9.6
	27	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.2	9.8	15.1	9.6
	29	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.2	9.8	15.1	9.6
	31	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.2	9.8	15.1	9.6
	33	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.2	9.8	15.1	9.6
	35	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.2	9.8	15.1	9.6
	37	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.2	9.8	14.0	9.7	14.9	9.5
	39	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.1	9.7	13.8	9.5	14.5	9.3
	42	8.8	7.7	10.4	8.8	12.0	9.4	12.4	9.6	12.7	9.5	13.2	9.2	13.7	9.1
44	8.8	7.7	10.4	8.8	11.4	9.1	12.2	9.5	12.3	9.3	12.5	8.6	12.8	8.9	
46	8.8	7.5	10.3	8.5	10.5	8.1	11.2	8.5	11.7	8.6	11.9	7.9	12.0	8.1	
140	10	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.6	10.8	15.7	10.9	16.8	10.8
	12	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.6	10.8	16.7	10.7
	14	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.6	10.8	16.7	10.7
	16	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.6	10.8	16.6	10.6
	18	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.5	10.7	16.6	10.6
	20	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.5	10.7	16.5	10.5
	21	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.5	10.7	16.5	10.5
	23	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.5	10.7	16.5	10.5
	25	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.5	10.7	16.5	10.5
	27	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.5	10.7	16.5	10.5
	29	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.5	10.7	16.5	10.5
	31	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.5	10.7	16.5	10.5
	33	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.5	10.7	16.5	10.5
	35	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.5	10.7	16.5	10.5
	37	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.4	10.6	16.3	10.4
	39	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7						

6-2. Capacity tables

2) Heating

TC : Total Capacity(kW)

Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC kW	TC kW	TC kW	TC kW	TC kW
022	-20	-21	1.5	1.5	1.5	1.5	1.5
	-17	-18	1.6	1.6	1.6	1.6	1.6
	-15	-16	1.7	1.6	1.6	1.6	1.6
	-12	-13	1.8	1.8	1.8	1.8	1.7
	-10	-11	2.0	2.0	1.9	1.9	1.9
	-7	-8	2.3	2.2	2.2	2.0	2.0
	-5	-6	2.4	2.3	2.3	2.2	2.2
	-3	-4	2.5	2.5	2.4	2.3	2.2
	0	-1	2.6	2.5	2.5	2.3	2.2
	3	2.2	2.7	2.6	2.5	2.3	2.2
	5	4.1	2.8	2.7	2.5	2.3	2.2
	7	6	2.8	2.7	2.5	2.3	2.2
	9	7.9	3.0	2.7	2.5	2.3	2.2
	11	9.8	3.0	2.7	2.5	2.3	2.2
	13	12	3.0	2.7	2.5	2.3	2.2
15	14	3.0	2.7	2.5	2.3	2.2	
028	-20	-21	1.9	1.9	1.9	1.9	1.9
	-17	-18	2.0	2.0	2.0	2.0	1.9
	-15	-16	2.1	2.1	2.0	2.0	1.9
	-12	-13	2.2	2.2	2.2	2.1	2.1
	-10	-11	2.3	2.3	2.3	2.3	2.2
	-7	-8	2.5	2.4	2.4	2.4	2.3
	-5	-6	2.6	2.6	2.5	2.5	2.4
	-3	-4	2.8	2.7	2.7	2.6	2.5
	0	-1	2.9	2.8	2.8	2.7	2.6
	3	2.2	3.0	3.0	2.9	2.8	2.7
	5	4.1	3.2	3.1	3.1	2.9	2.7
	7	6	3.3	3.2	3.2	3.0	2.7
	9	7.9	3.4	3.3	3.2	3.0	2.7
	11	9.8	3.5	3.3	3.2	3.0	2.7
	13	12	3.6	3.4	3.2	3.0	2.7
15	14	3.7	3.4	3.2	3.0	2.7	
036	-20	-21	2.4	2.4	2.3	2.3	2.3
	-17	-18	2.6	2.5	2.4	2.4	2.3
	-15	-16	2.7	2.6	2.5	2.5	2.4
	-12	-13	2.8	2.7	2.7	2.6	2.6
	-10	-11	2.9	2.9	2.9	2.8	2.8
	-7	-8	3.1	3.1	3.0	3.0	2.9
	-5	-6	3.3	3.2	3.2	3.1	3.0
	-3	-4	3.4	3.4	3.3	3.2	3.1
	0	-1	3.6	3.6	3.5	3.4	3.2
	3	2.2	3.8	3.7	3.7	3.5	3.4
	5	4.1	3.9	3.9	3.8	3.6	3.4
	7	6	4.1	4.1	4.0	3.7	3.4
	9	7.9	4.2	4.1	4.0	3.7	3.4
	11	9.8	4.4	4.2	4.0	3.7	3.4
	13	12	4.5	4.2	4.0	3.7	3.4
15	14	4.6	4.3	4.0	3.7	3.4	
045	-20	-21	3.1	3.1	2.9	2.9	2.9
	-17	-18	3.2	3.2	3.1	3.0	3.0
	-15	-16	3.3	3.3	3.2	3.1	3.0
	-12	-13	3.5	3.4	3.4	3.3	3.2
	-10	-11	3.7	3.6	3.6	3.5	3.5
	-7	-8	3.9	3.8	3.8	3.7	3.6
	-5	-6	4.1	4.0	4.0	3.9	3.7
	-3	-4	4.3	4.2	4.2	4.0	3.9
	0	-1	4.5	4.4	4.4	4.2	4.0
	3	2.2	4.7	4.7	4.6	4.4	4.2
	5	4.1	4.9	4.9	4.8	4.5	4.2
	7	6	5.1	5.1	5.0	4.6	4.2
	9	7.9	5.3	5.2	5.0	4.6	4.2
	11	9.8	5.5	5.2	5.0	4.6	4.2
	13	12	5.6	5.3	5.0	4.6	4.2
15	14	5.8	5.4	5.0	4.6	4.2	
056	-20	-21	3.9	3.8	3.8	3.7	3.7
	-17	-18	4.0	4.0	3.9	3.8	3.8
	-15	-16	4.2	4.1	4.0	3.9	3.8
	-12	-13	4.4	4.3	4.2	4.2	4.1
	-10	-11	4.6	4.6	4.5	4.4	4.4
	-7	-8	4.9	4.8	4.8	4.7	4.5
	-5	-6	5.2	5.1	5.0	4.9	4.7
	-3	-4	5.4	5.3	5.3	5.1	4.9
	0	-1	5.7	5.6	5.5	5.3	5.0
	3	2.2	5.9	5.9	5.8	5.6	5.3
	5	4.1	6.2	6.1	6.0	5.7	5.3
	7	6	6.5	6.4	6.3	5.8	5.3
	9	7.9	6.7	6.5	6.3	5.8	5.3
	11	9.8	6.9	6.6	6.3	5.8	5.3
	13	12	7.1	6.7	6.3	5.8	5.3
15	14	7.3	6.8	6.3	5.8	5.3	

6-2. Capacity tables

2) Heating

TC : Total Capacity(kW)

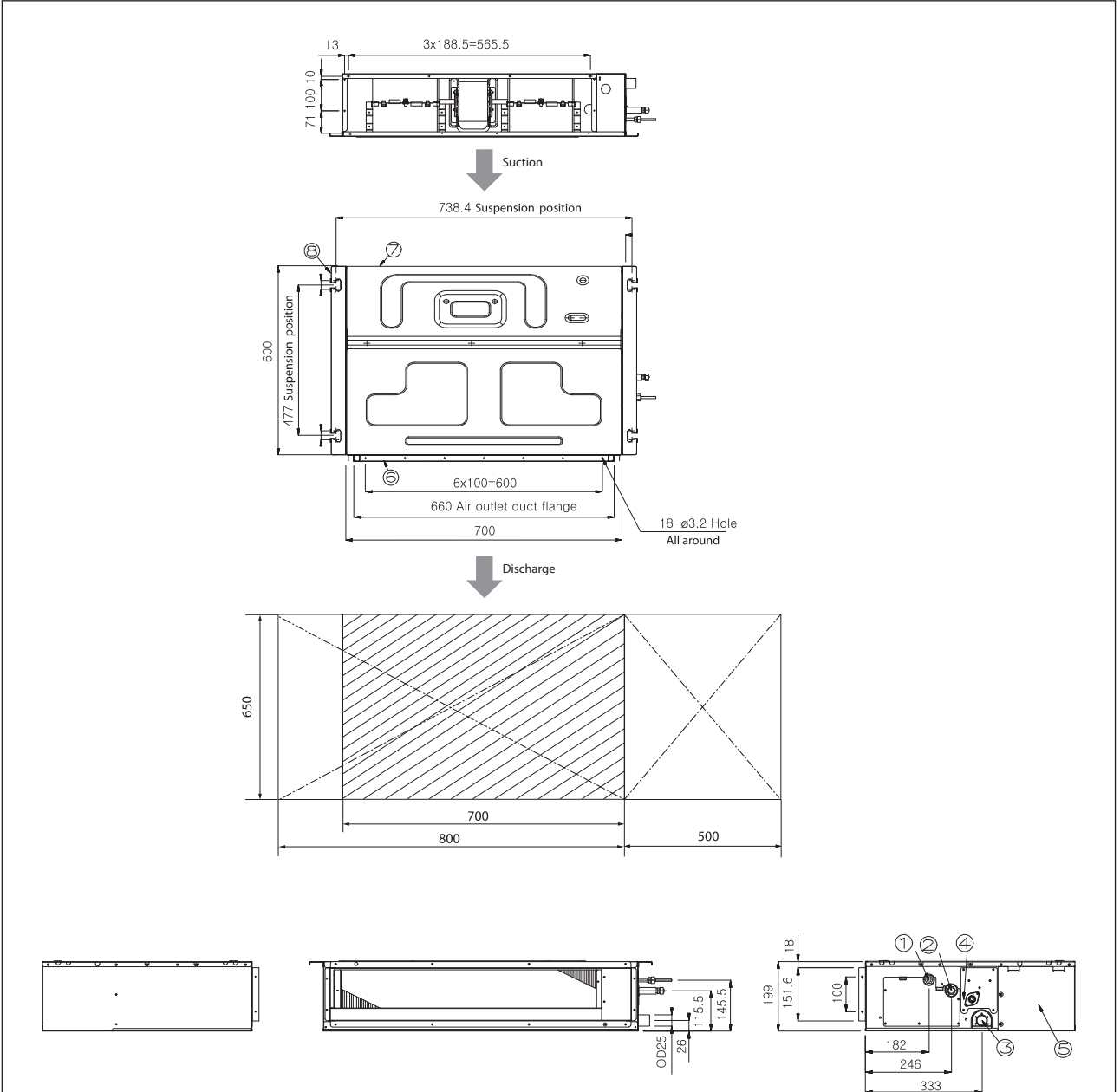
Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC kW	TC kW	TC kW	TC kW	TC kW
071	-20	-21	4.9	4.9	4.8	4.7	4.7
	-17	-18	5.1	5.0	4.9	4.8	4.8
	-15	-16	5.3	5.2	5.1	4.9	4.8
	-12	-13	5.6	5.5	5.4	5.3	5.2
	-10	-11	5.9	5.8	5.7	5.6	5.6
	-7	-8	6.2	6.1	6.0	5.9	5.8
	-5	-6	6.5	6.5	6.4	6.2	6.0
	-3	-4	6.9	6.8	6.7	6.4	6.2
	0	-1	7.2	7.1	7.0	6.7	6.4
	3	2.2	7.6	7.5	7.3	7.1	6.8
	5	4.1	7.9	7.8	7.7	7.2	6.8
	7	6	8.2	8.1	8.0	7.4	6.8
	9	7.9	8.5	8.2	8.0	7.4	6.8
	11	9.8	8.7	8.4	8.0	7.4	6.8
	13	12	9.0	8.5	8.0	7.4	6.8
15	14	9.2	8.6	8.0	7.4	6.8	
090	-20	-21	6.0	6.0	5.9	5.8	5.8
	-17	-18	6.3	6.3	6.1	6.0	5.9
	-15	-16	6.7	6.5	6.3	6.1	6.0
	-12	-13	7.0	6.9	6.7	6.6	6.5
	-10	-11	7.3	7.2	7.1	7.0	7.0
	-7	-8	7.8	7.7	7.6	7.4	7.2
	-5	-6	8.2	8.1	8.0	7.7	7.5
	-3	-4	8.6	8.5	8.4	8.1	7.7
	0	-1	9.0	8.9	8.8	8.4	8.0
	3	2.2	9.4	9.3	9.2	8.8	8.4
	5	4.1	9.9	9.7	9.6	9.0	8.4
	7	6	10.3	10.1	10.0	9.2	8.4
	9	7.9	10.6	10.3	10.0	9.2	8.4
	11	9.8	10.9	10.5	10.0	9.2	8.4
	13	12	11.2	10.6	10.0	9.2	8.4
15	14	11.6	10.8	10.0	9.2	8.4	
112	-20	-21	7.4	7.4	7.3	7.3	7.3
	-17	-18	8.0	7.8	7.6	7.5	7.4
	-15	-16	8.4	8.1	7.9	7.7	7.5
	-12	-13	8.8	8.6	8.4	8.2	8.1
	-10	-11	9.2	9.0	8.9	8.8	8.7
	-7	-8	9.7	9.6	9.4	9.2	9.0
	-5	-6	10.2	10.1	9.9	9.6	9.3
	-3	-4	10.7	10.6	10.5	10.1	9.7
	0	-1	11.3	11.1	11.1	10.5	10.0
	3	2.2	11.8	11.6	11.5	11.0	10.6
	5	4.1	12.3	12.2	12.0	11.3	10.6
	7	6	12.9	12.7	12.5	11.5	10.6
	9	7.9	13.3	12.9	12.5	11.5	10.6
	11	9.8	13.7	13.1	12.5	11.5	10.6
	13	12	14.0	13.3	12.5	11.5	10.6
15	14	14.4	13.5	12.5	11.5	10.6	
128	-20	-21	8.1	8.1	8.0	8.0	8.0
	-17	-18	8.7	8.5	8.4	8.3	8.1
	-15	-16	9.2	9.0	8.7	8.5	8.2
	-12	-13	9.7	9.5	9.3	9.1	8.9
	-10	-11	10.1	10.0	9.9	9.7	9.6
	-7	-8	10.7	10.6	10.4	10.2	10.0
	-5	-6	11.3	11.1	11.0	10.7	10.3
	-3	-4	11.9	11.7	11.5	11.1	10.7
	0	-1	12.4	12.3	12.1	11.6	11.0
	3	2.2	13.0	12.9	12.7	12.2	11.7
	5	4.1	13.6	13.4	13.2	12.4	11.7
	7	6	14.2	14.0	13.8	12.7	11.7
	9	7.9	14.6	14.2	13.8	12.7	11.7
	11	9.8	15.1	14.4	13.8	12.7	11.7
	13	12	15.5	14.7	13.8	12.7	11.7
15	14	15.9	14.9	13.8	12.7	11.7	
140	-20	-21	9.5	9.5	9.4	9.4	9.3
	-17	-18	10.1	9.9	9.6	9.6	9.4
	-15	-16	10.7	10.4	10.1	9.8	9.5
	-12	-13	11.2	11.0	10.8	10.6	10.3
	-10	-11	11.7	11.6	11.4	11.3	11.1
	-7	-8	12.4	12.2	12.1	11.8	11.5
	-5	-6	13.1	12.9	12.7	12.3	12.0
	-3	-4	13.8	13.6	13.4	12.9	12.4
	0	-1	14.4	14.2	14.0	13.4	12.8
	3	2.2	15.1	14.9	14.7	14.1	13.5
	5	4.1	15.8	15.6	15.3	14.4	13.5
	7	6	16.5	16.2	16.0	14.8	13.5
	9	7.9	17.0	16.5	16.0	14.8	13.5
	11	9.8	17.5	16.7	16.0	14.8	13.5
	13	12	18.0	17.0	16.0	14.8	13.5
15	14	18.5	17.2	16.0	14.8	13.5	

6 Slim duct

6-3. Dimensional drawing

AM022/028/036FNLDEH***

Unit:mm



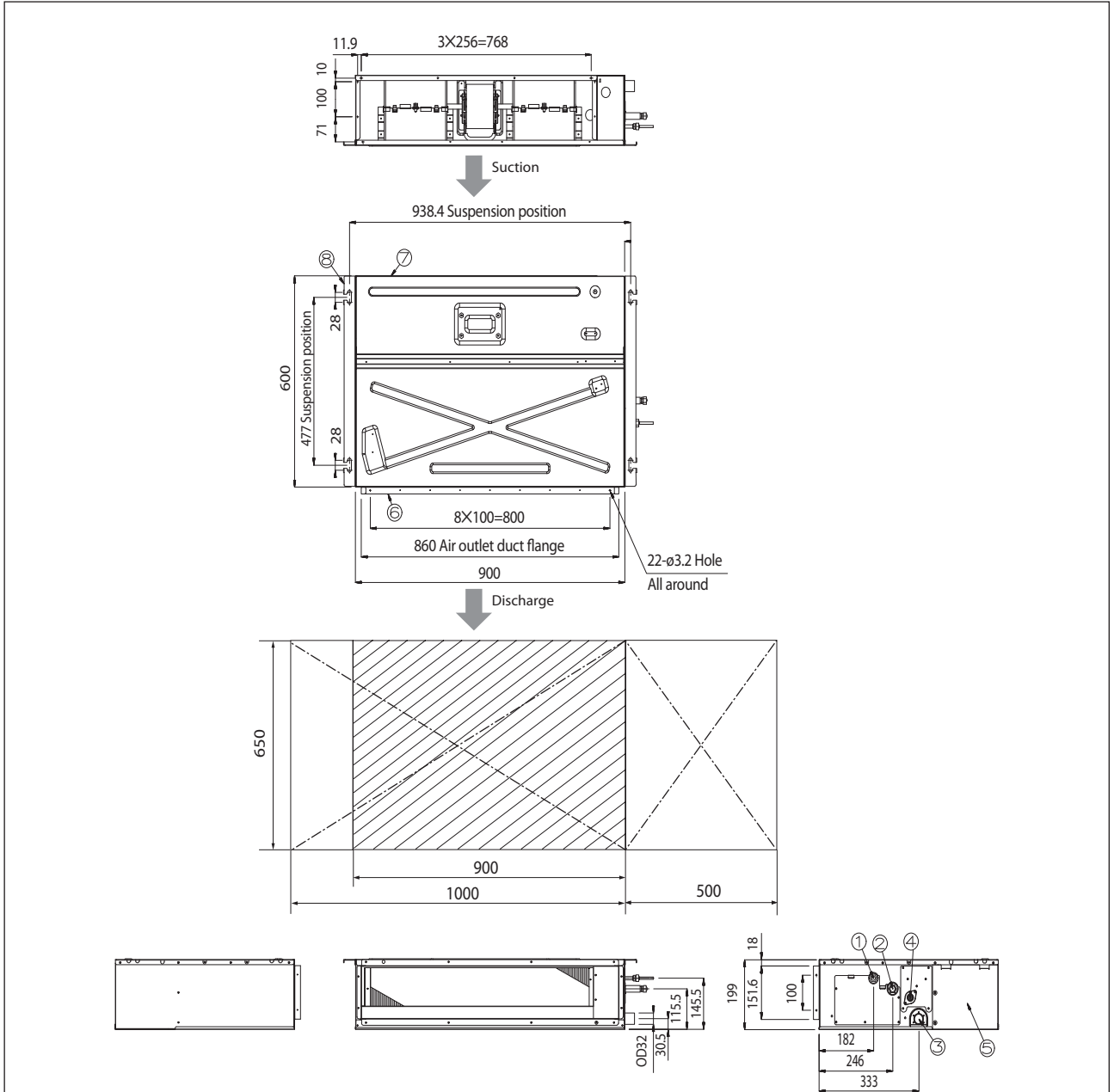
No.	Name	Description		
		2.2kW	2.8kW	3.6kW
①	Liquid pipe connection	Ø6.35 Flare		
②	Gas pipe connection	Ø12.70 Flare		
③	Drain pipe connection without optional drain pump kits	VP25 (OD 32, ID 25)		
④	Drain pipe connection with optional drain pump kits	VP25 (OD 32, ID 25)		
⑤	Power supply/Communication connection	-		
⑥	Power supply connection	-		
⑦	Air discharge grille flange	-		
⑧	Hook	3/8" or M10		

6 Slim duct

6-3. Dimensional drawing

AM045/056FNLDEH***

Unit:mm



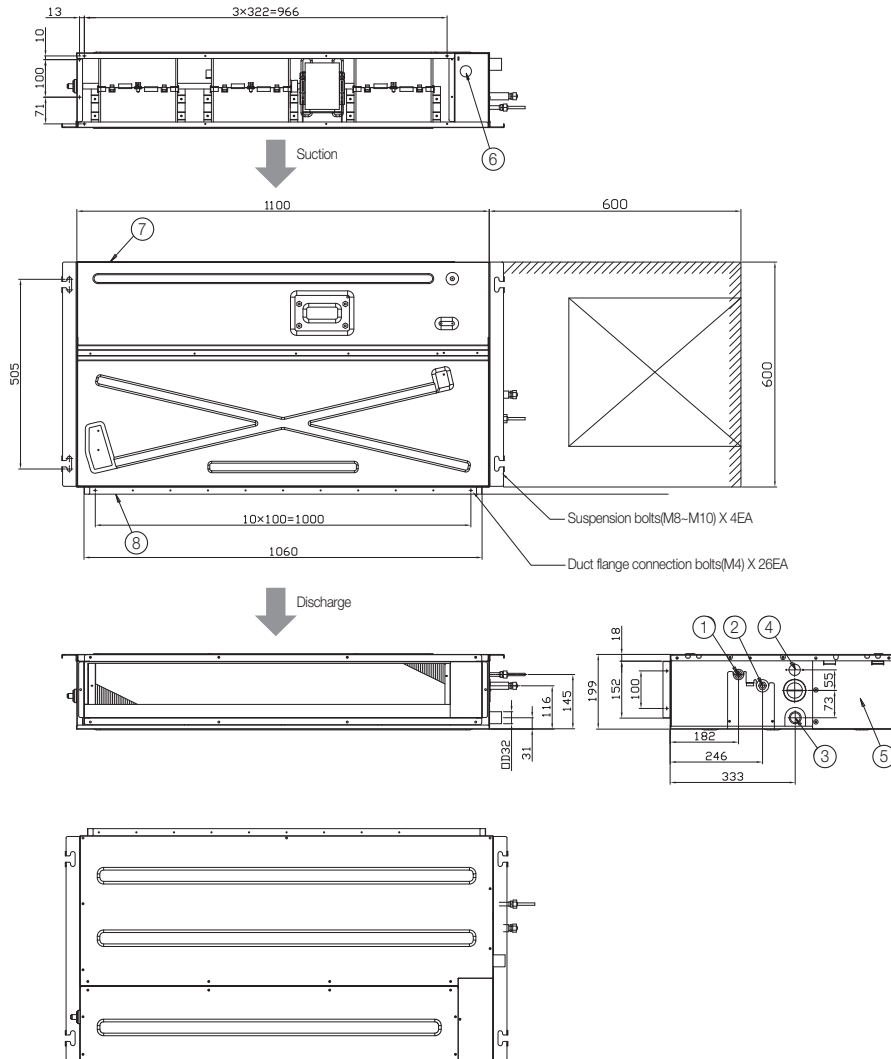
No.	Name	Description	
		4.5kW	5.6kW
①	Liquid pipe connection	Ø6.35 Flare	
②	Gas pipe connection	Ø12.70 Flare	
③	Drain pipe connection without optional drain pump kits	VP25 (OD 32, ID 25)	
④	Drain pipe connection with optional drain pump kits	VP25 (OD 32, ID 25)	
⑤	Control unit	-	
⑥	Conduit for power supply & communication wiring	-	
⑦	Return air side	-	
⑧	Air outlet duct flange	-	

6 Slim duct

6-3. Dimensional drawing

AM071FNLDEH***

Unit:mm



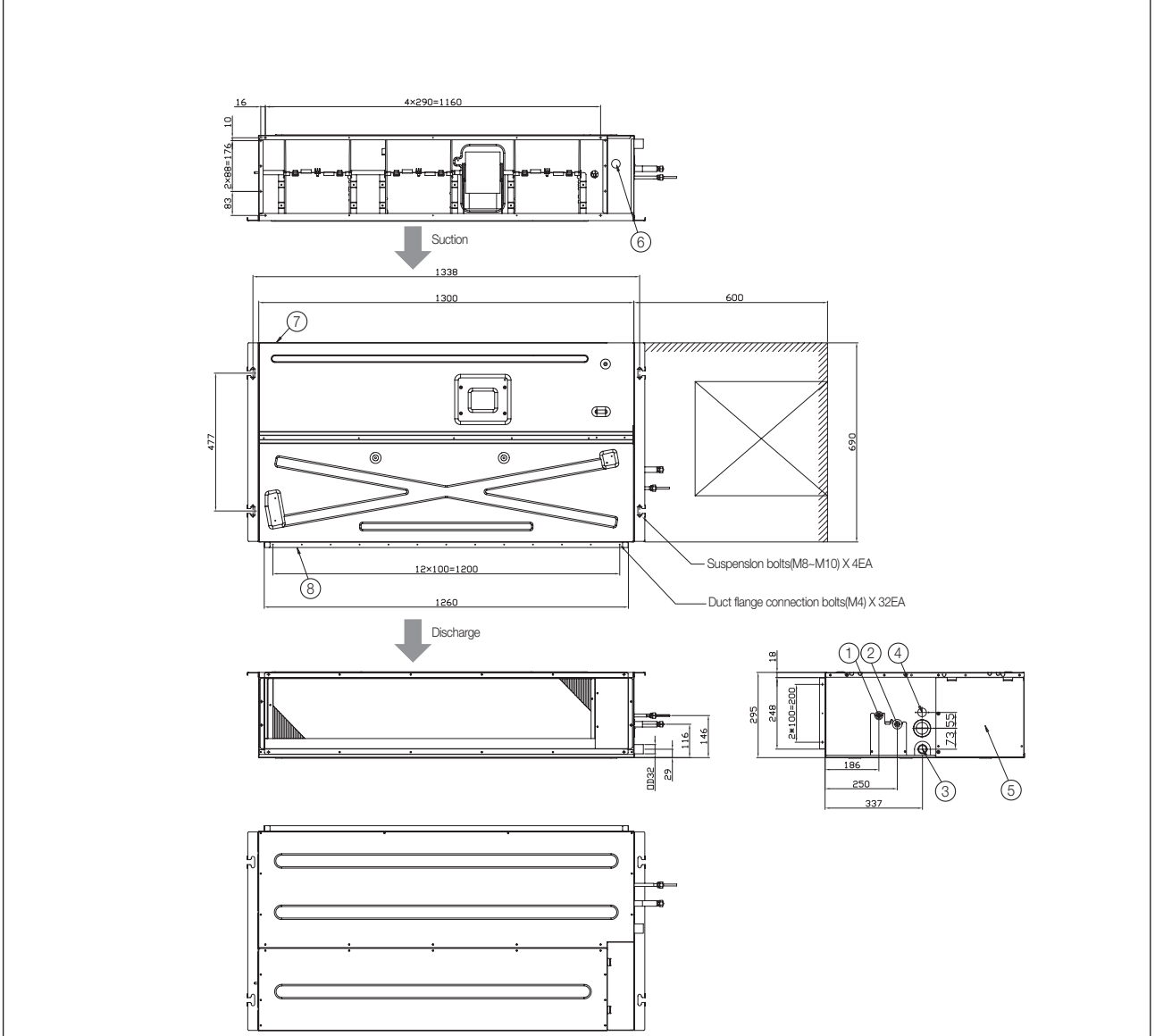
No.	Name	Description
		7.1kW
①	Liquid pipe connection	Ø9.52 Flare
②	Gas pipe connection	Ø15.88 Flare
③	Drain pipe connection without optional drain pump kits	VP25 (OD 32, ID 25)
④	Drain pipe connection with optional drain pump kits	VP25 (OD 32, ID 25)
⑤	Control unit	
⑥	Conduit for power supply & communication wiring	
⑦	Return air side	
⑧	Air outlet duct flange	

6 Slim duct

6-3. Dimensional drawing

AM090/112/128/140FNLDEH***

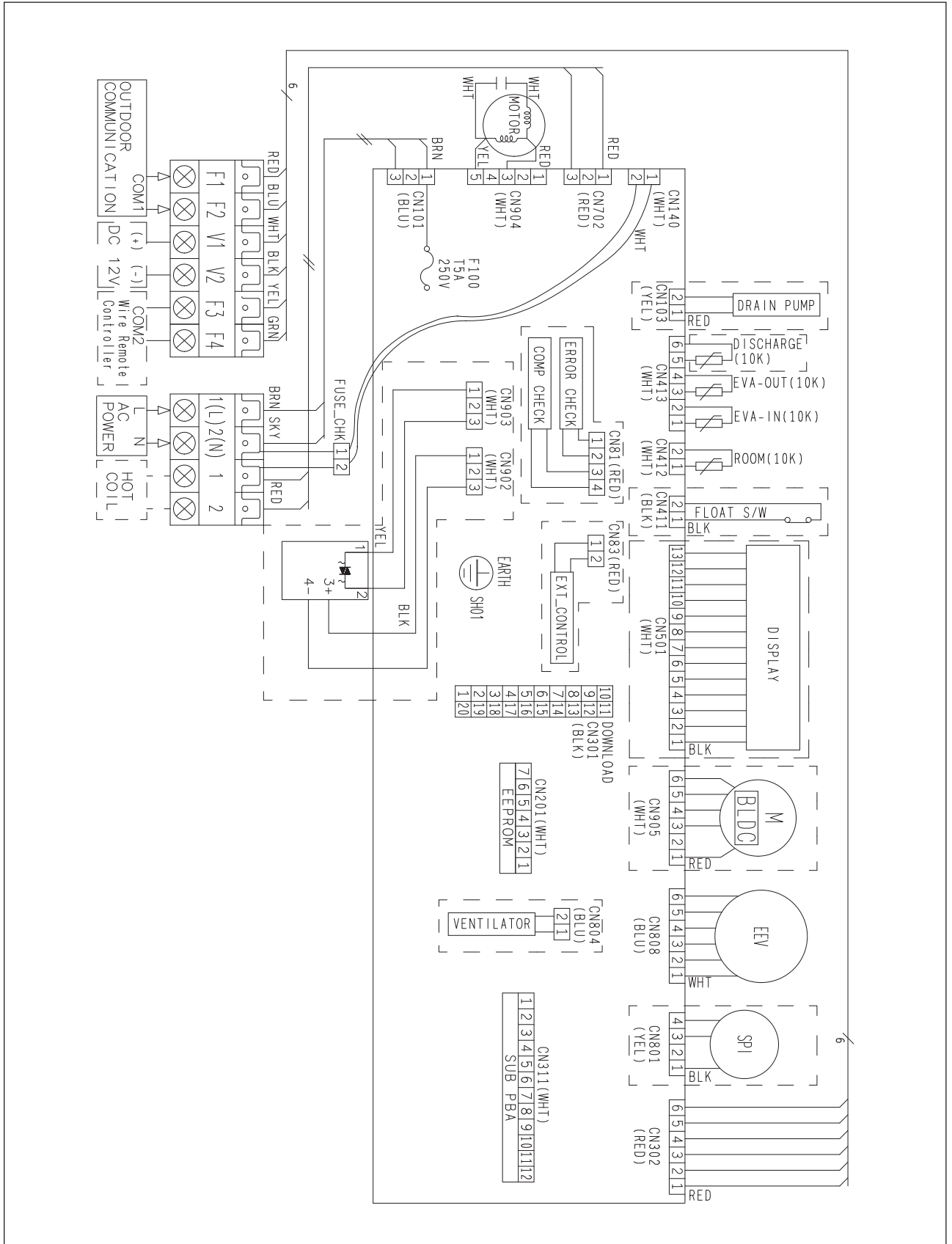
Unit:mm



No.	Name	Description			
		9.0kW	11.2kW	12.8kW	14.0kW
①	Liquid pipe connection	Ø9.52 Flare			
②	Gas pipe connection	Ø15.88 Flare			
③	Drain pipe connection without optional drain pump kits	VP25 (OD 32, ID 25)			
④	Drain pipe connection with optional drain pump kits	VP25 (OD 32, ID 25)			
⑤	Control unit	-			
⑥	Conduit for power supply & communication wiring	-			
⑦	Return air side	-			
⑧	Air outlet duct flange	-			

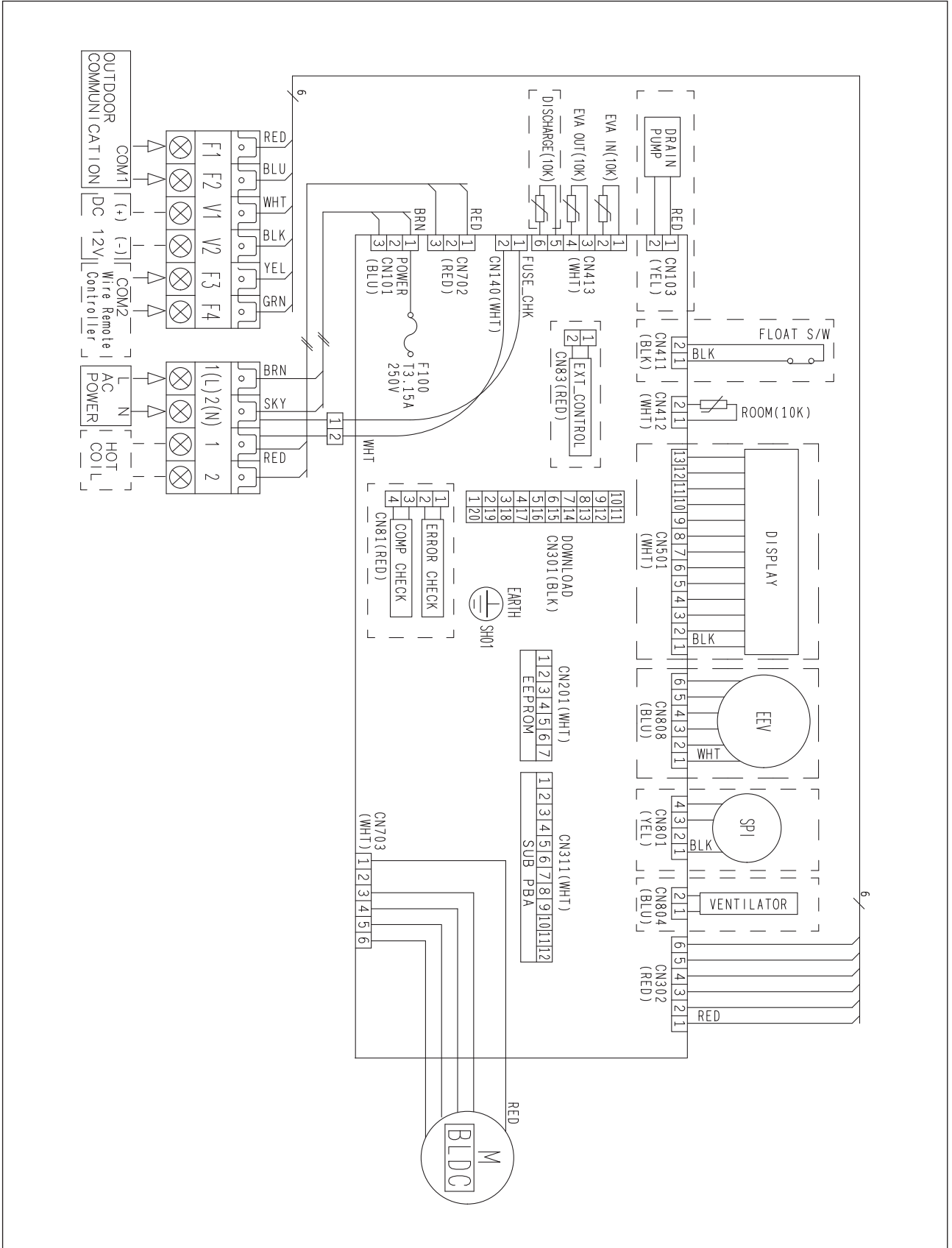
6-4. Electrical wiring diagram

AM022/028/036/045/056/071FNLDEH***



6-4. Electrical wiring diagram

AM090/112/128/140FNLDEH***

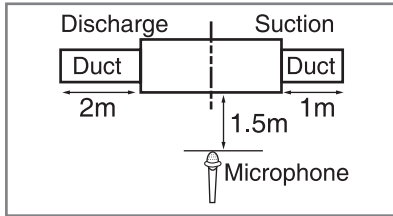


6 Slim duct

6-5. Sound pressure level

1) Operation sound level

Unit : dB(A)



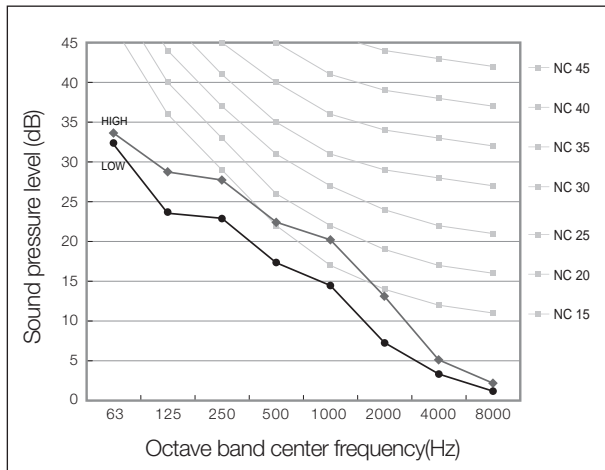
Model	High	Low	Model	High	Low
AM022FNLDEH***	26	21	AM071FNLDEH***	38	33
AM028FNLDEH***	28	23	AM090FNLDEH***	37	34
AM036FNLDEH***	32	27	AM112FNLDEH***	37	34
AM045FNLDEH***	35	26	AM128FNLDEH***	37	34
AM056FNLDEH***	36	31	AM140FNLDEH***	39	36

✓ Note

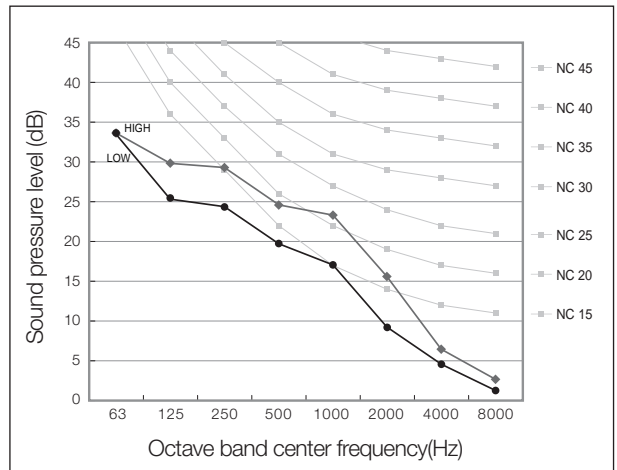
- ◆ These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ depending on operation and ambient conditions.

2) NC curves

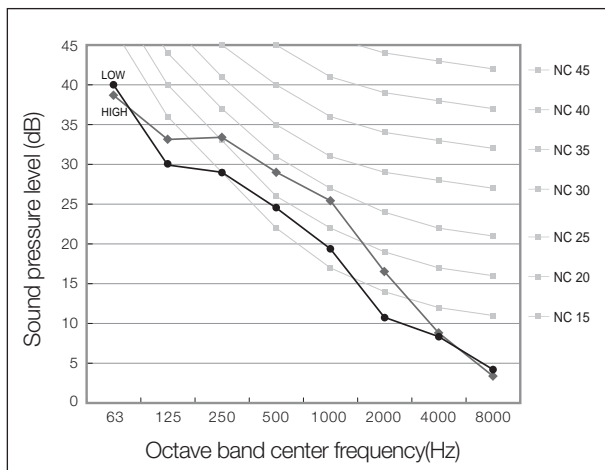
(1) AM022FNLDEH***



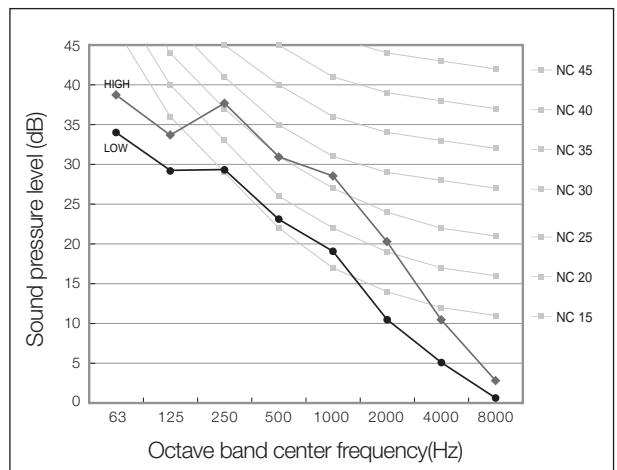
(2) AM028FNLDEH***



(3) AM036FNLDEH***

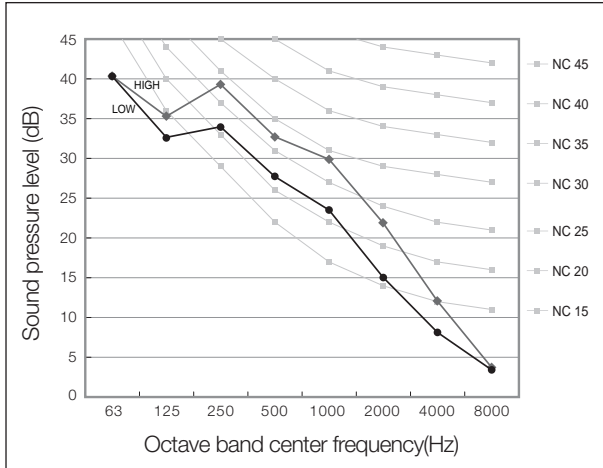


(4) AM045FNLDEH***

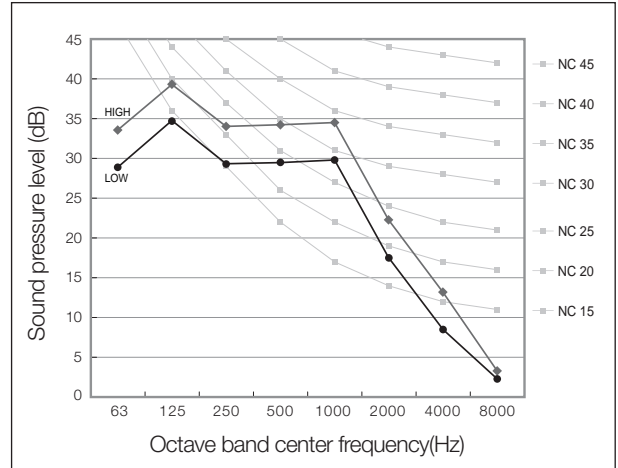


6-5. Sound pressure level

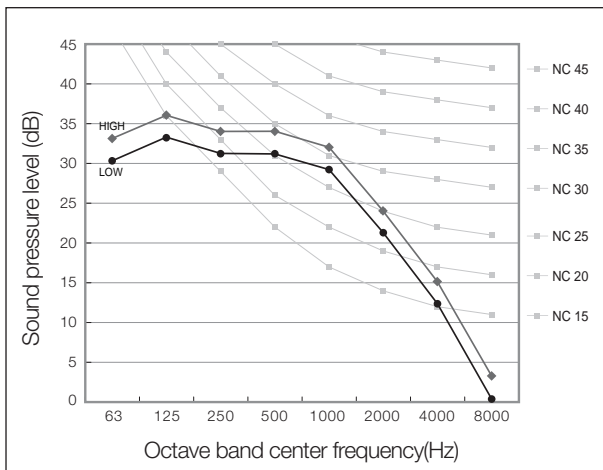
(5) AM056FNLDEH***



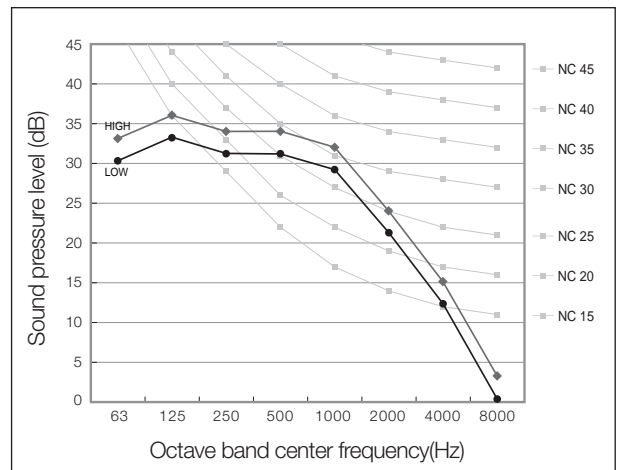
(6) AM071FNLDEH***



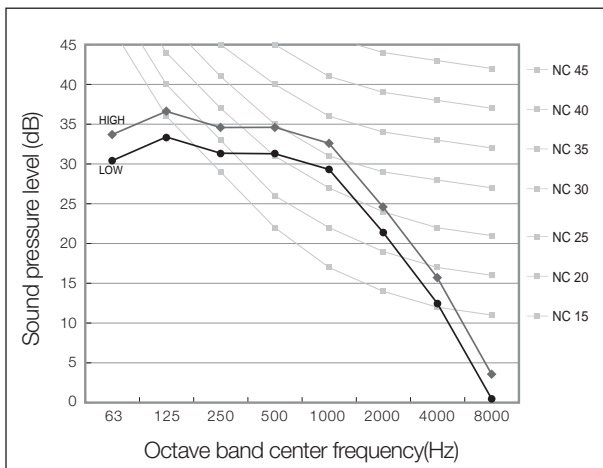
(7) AM090FNLDEH***



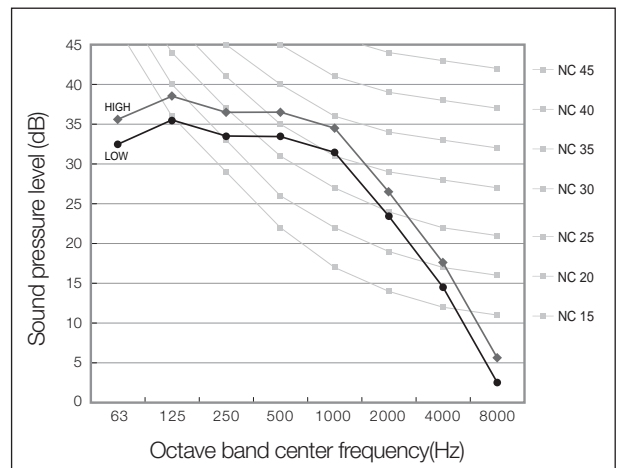
(8) AM112FNLDEH***



(9) AM128FNLDEH***



(10) AM140FNLDEH***

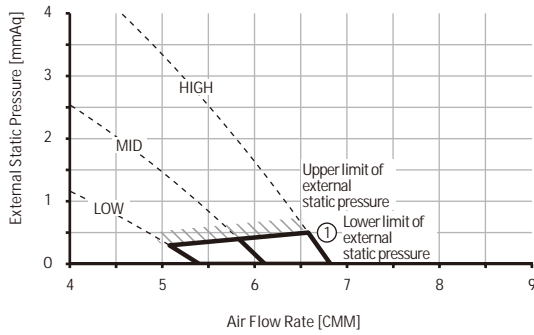


6 Slim duct

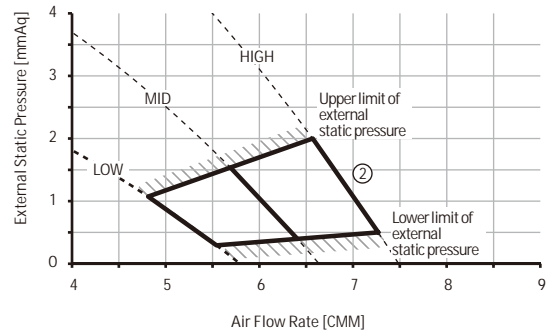
6-6. Recommended operation range

1) AM022FNLDEH/TK

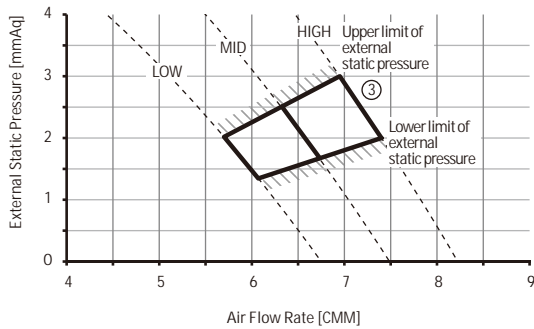
①	External Static Pressure(mmAq)	Option Code
	0	010054-125A80-201616-331110



②	External Static Pressure(mmAq)	Option Code
	1	010054-125AC3-201616-331110



③	External Static Pressure(mmAq)	Option Code
	3	010054-125E08-201616-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

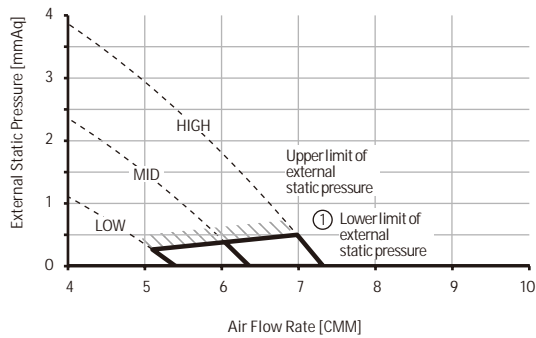
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

6 Slim duct

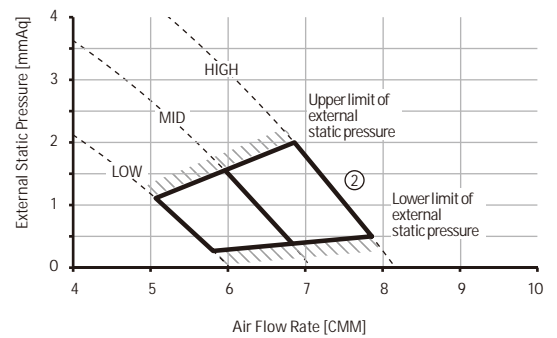
6-6. Recommended operation range

2) AM028FNLDEH/TK

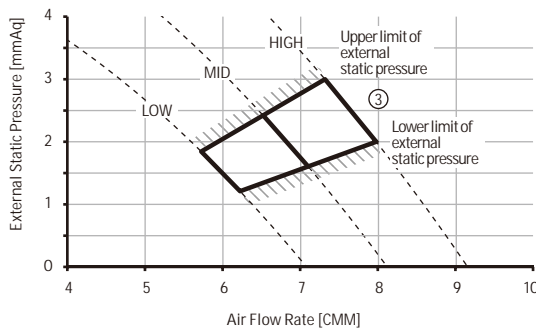
①	External Static Pressure(mmAq)	Option Code
	0	010054-125AE2-201C1C-331110



②	External Static Pressure(mmAq)	Option Code
	1	010054-125E15-201C1C-331110



③	External Static Pressure(mmAq)	Option Code
	3	010054-125E7A-201C1C-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

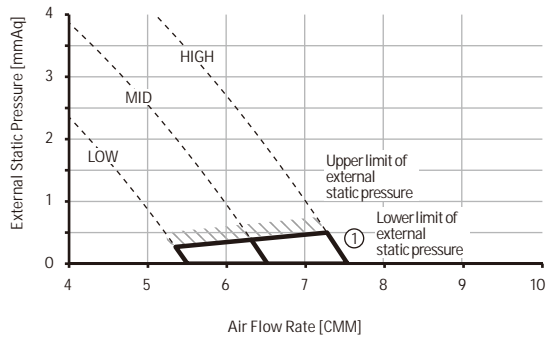
ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

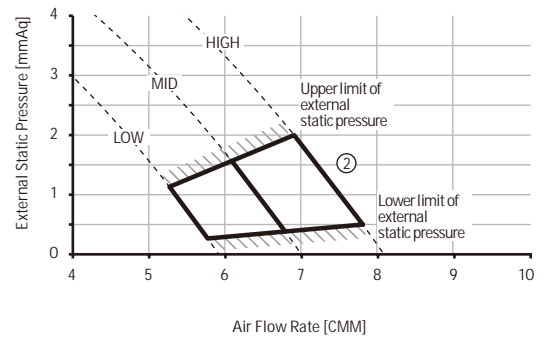
6-6. Recommended operation range

3) AM036FNLDEH/TK

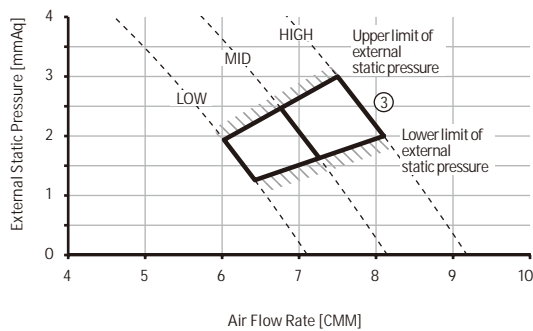
①	External Static Pressure(mmAq)	Option Code
	0	010054-125E35-202424-331110



②	External Static Pressure(mmAq)	Option Code
	1	010054-125E68-202424-331110



③	External Static Pressure(mmAq)	Option Code
	3	010054-125ECD-202424-331110

**Note**

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

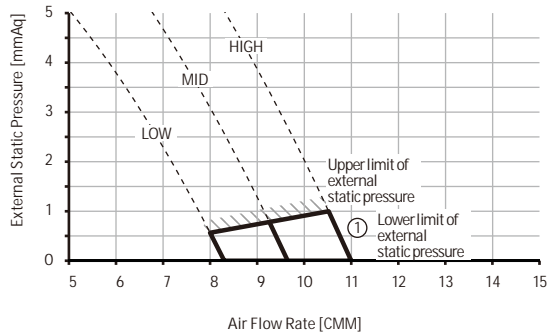
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

6 Slim duct

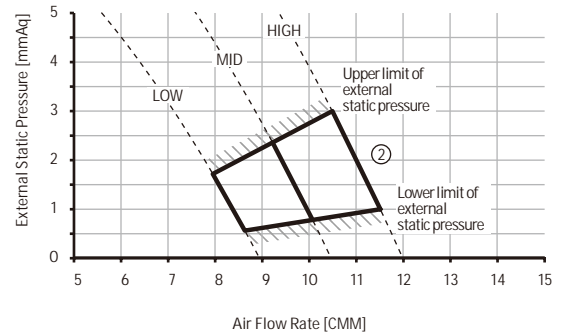
6-6. Recommended operation range

4) AM045FNLDEH/TK

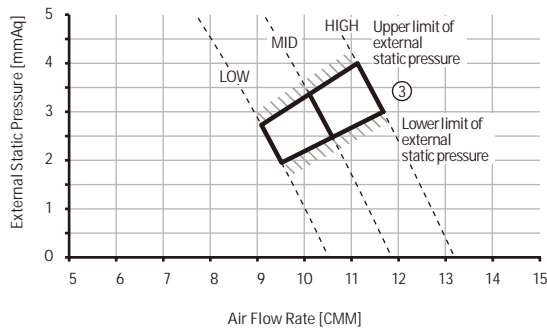
①	External Static Pressure(mmAq)	Option Code
	0	010054-12599F-202D2D-331110



②	External Static Pressure(mmAq)	Option Code
	2	010054-125AE2-202D2D-331110



③	External Static Pressure(mmAq)	Option Code
	4	010054-125EF6-202D2D-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

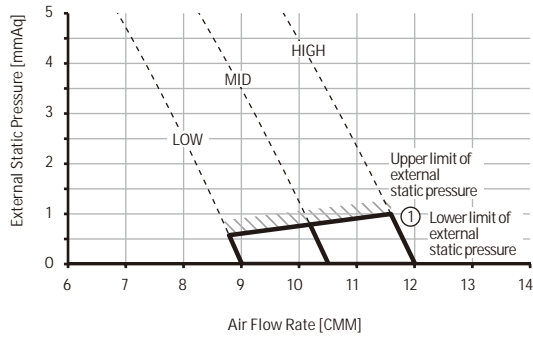
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

6 Slim duct

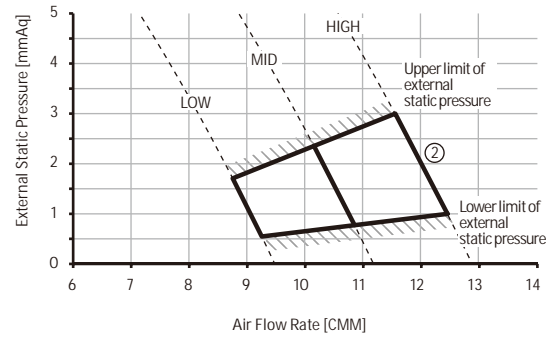
6-6. Recommended operation range

5) AM056FNLDEH/TK

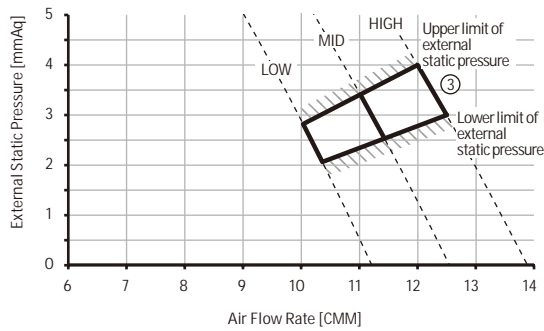
①	External Static Pressure(mmAq)	Option Code
	0	010054-125AC1-203838-331110



②	External Static Pressure(mmAq)	Option Code
	2	010054-125E34-203838-331110



③	External Static Pressure(mmAq)	Option Code
	4	010054-125EF9-203838-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

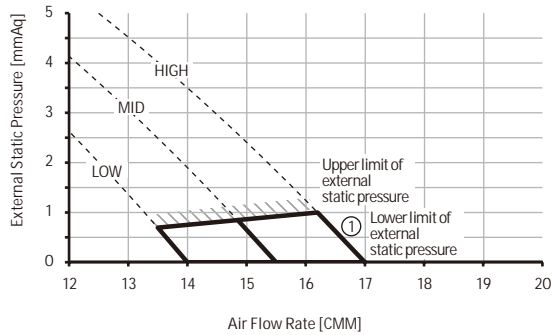
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

6 Slim duct

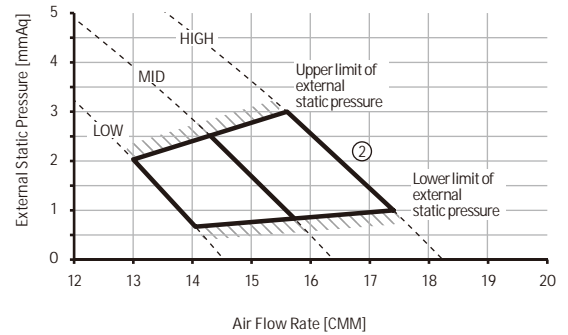
6-6. Recommended operation range

6) AM071FNLDEH/TK

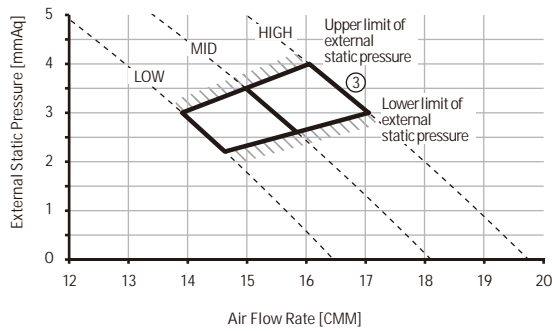
①	External Static Pressure(mmAq)	Option Code
	0	010054-1259BB-204747-331110



②	External Static Pressure(mmAq)	Option Code
	2	010054-125D9E-204747-331110



③	External Static Pressure(mmAq)	Option Code
	4	010054-125EF4-204747-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

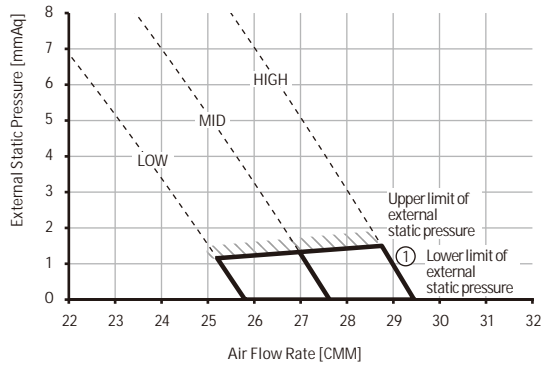
ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

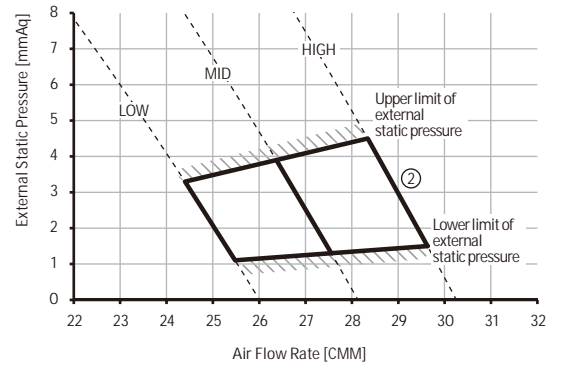
6-6. Recommended operation range

7) AM090FNLDEH/TK

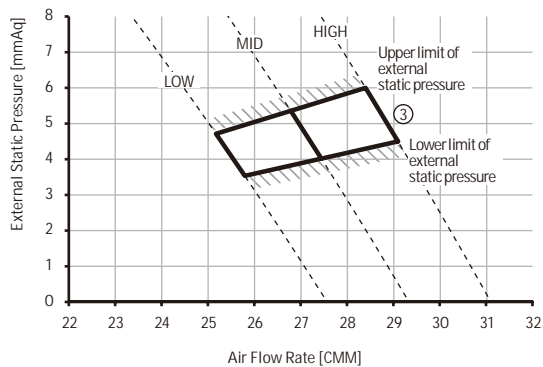
①	External Static Pressure(mmAq)	Option Code
	0	010054-1B596C-205A5A-331110



②	External Static Pressure(mmAq)	Option Code
	3	010054-1B5AD4-205A5A-331110



③	External Static Pressure(mmAq)	Option Code
	6	010054-1B5E2A-205A5A-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

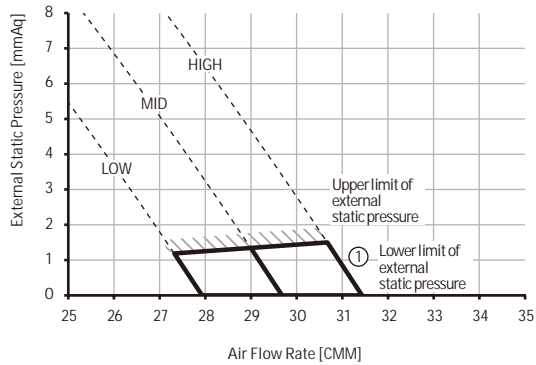
ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

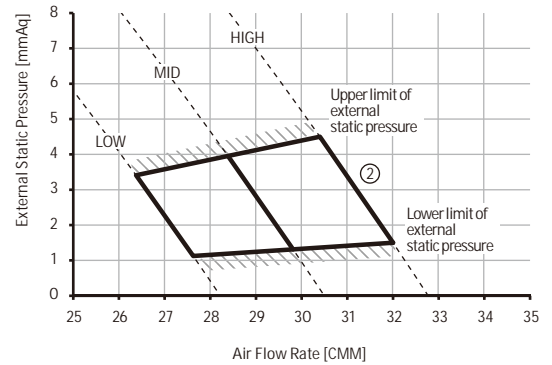
6-6. Recommended operation range

8) AM112FNLDEH/TK

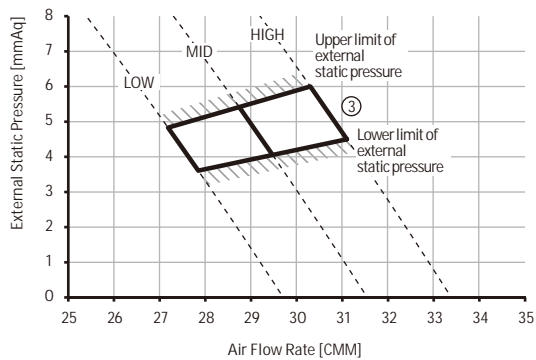
①	External Static Pressure(mmAq)	Option Code
	0	010054-1B596C-207070-331110



②	External Static Pressure(mmAq)	Option Code
	3	010054-1B5AD4-207070-331110



③	External Static Pressure(mmAq)	Option Code
	6	010054-1B5E2A-207070-331110

**Note**

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

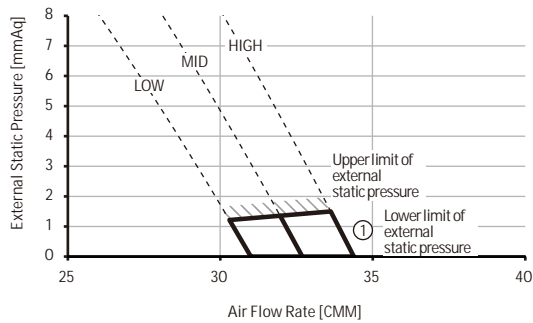
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

6 Slim duct

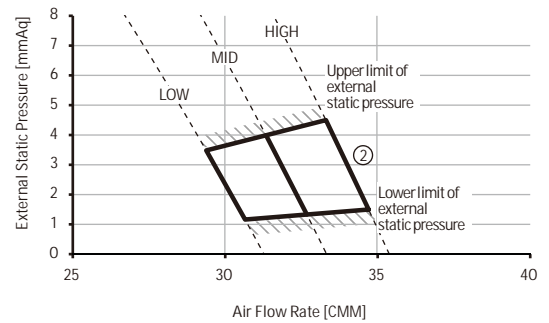
6-6. Recommended operation range

9) AM128FNLDEH/TK

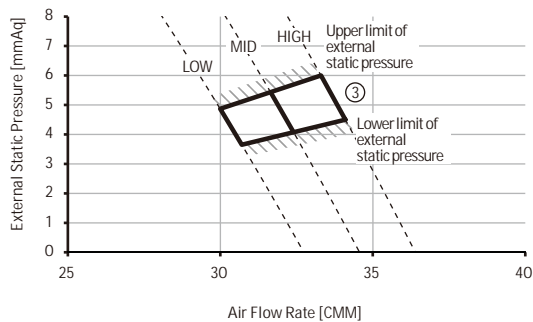
①	External Static Pressure(mmAq)	Option Code
	0	010054-1B5AF5-208080-331110



②	External Static Pressure(mmAq)	Option Code
	3	010054-1B5E4B-208080-331110



③	External Static Pressure(mmAq)	Option Code
	6	010054-1B5E8F-208080-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

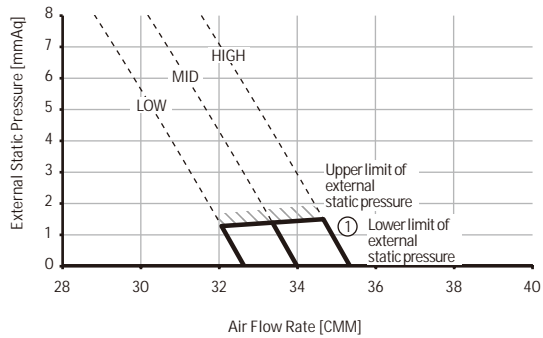
ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

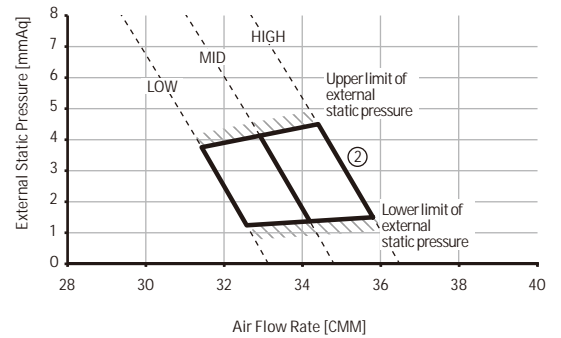
6-6. Recommended operation range

10) AM140FNLDEH/TK

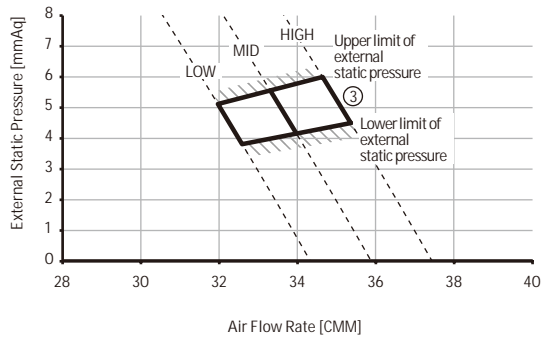
①	External Static Pressure(mmAq)	Option Code
	0	010054-1B5E34-208C8C-331110



②	External Static Pressure(mmAq)	Option Code
	3	010054-1B5E7F-208C8C-331110



③	External Static Pressure(mmAq)	Option Code
	6	010054-1B5FC3-208C8C-331110

**Note**

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

7 Slim duct (Drain pump integrated)

7-1. Specifications

7-2. Capacity tables

7-3. Dimensional drawing

7-4. Electrical wiring diagram

7-5. Sound pressure level

7-6. Recommended operation range

7 Slim duct (Drain pump integrated)

7-1. Specifications

Type				SLIM DUCT	SLIM DUCT
Model				AM045KNLDEH***	AM056KNLDEH***
Power Supply			Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50
Mode				-	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	4.50	5.60
			Btu/h	15,400	19,100
		Heating	kW	5.00	6.30
			Btu/h	17,100	21,500
Power	Power Input (Nominal)	Cooling	W	90.00	95.00
		Heating		90.00	95.00
	Current Input (Nominal)	Cooling	A	0.52	0.53
		Heating		0.52	0.53
Fan	Type		-	Sirocco Fan	Sirocco Fan
	Motor	Output x n	W	-	-
	Air Flow Rate	H/M/L (UL)	CMM	11.00/9.60/8.30	12.00/10.50/9.00
			l/s	183.33/160.00/138.33	200.00/175.00/150.00
	External Static Pressure	Min / Std / Max	mmAq	0.00/2.00/4.00	0.00/2.00/4.00
Pa			0.00/19.61/39.23	0.00/19.61/39.23	
Piping Connections	Liquid Pipe		Φ, mm	6.35	6.35
			Φ, inch	1/4"	1/4"
	Gas Pipe		Φ, mm	12.70	12.70
			Φ, inch	1/2"	1/2"
Drain Pipe		Φ, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
Field Wiring	Power Source Wire		mm ²	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable		mm ²	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED
Sound Data	Sound Pressure Level	High / Mid / Low	dB(A)	35 / 31 / 26	36 / 34 / 31
	Sound Power Level	Cooling		53	55
Dimensions	Net Weight		kg	24.5	24.5
	Shipping Weight		kg	29.0	29.0
	Net Dimensions (W×H×D)		mm	900 x 199 x 600	900 x 199 x 600
	Shipping Dimensions (W×H×D)		mm	1150 x 280 x 710	1150 x 280 x 710
Panel Size	Panel model		-	-	-
	Panel Net Weight		kg	-	-
	Shipping Weight		kg	-	-
	Net Dimensions (W×H×D)		mm	-	-
	Shipping Dimensions (W×H×D)		mm	-	-
Additional Accessories	Drain pump	Drain pump	-	Drain Pump Included	Drain Pump Included
		Max. lifting Height	mm	-	-
	Air Filter		-	-	-

NOTE

- 1) Mode : HP(Heat Pump), HR(Heat Recovery)
- 2) Nominal Cooling : Indoor temperature 27°CDB / 19°CWB, Outdoor temperature 35°CDB/24°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- 3) Nominal Heating : Indoor temperature 20°CDB / 15°CWB, Outdoor temperature 7°CDB / 6°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- 4) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 5) These products contain R410A which is fluorinated greenhouse gas.
- 6) Specifications may be subject to change without prior notice.

7 Slim duct (Drain pump integrated)

7-1. Specifications

Type				SLIM DUCT	SLIM DUCT
Model				AM071KNLDEH***	AM090KNLDEH***
Power Supply			Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50
Mode				-	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	7.10	9.00
			Btu/h	24,200	30,700
		Heating	kW	8.00	10.00
			Btu/h	27,300	34,100
Power	Power Input (Nominal)	Cooling	W	120.00	170.00
		Heating		120.00	170.00
	Current Input (Nominal)	Cooling	A	0.60	0.96
		Heating		0.60	0.96
Fan	Type		-	Sirocco Fan	Sirocco Fan
	Motor	Output x n	W	-	-
	Air Flow Rate	H/M/L (UL)	CMM	16.50/15.00/13.50	29.00/27.00/25.00
			l/s	275.00/250.00/225.00	483.33/450.00/416.67
	External Static Pressure	Min / Std / Max	mmAq	0.00/2.00/4.00	0.00/3.00/6.00
Pa			0.00/19.61/39.23	0.00/29.42/58.84	
Piping Connections	Liquid Pipe		Φ, mm	9.52	9.52
			Φ, inch	3/8"	3/8"
	Gas Pipe		Φ, mm	15.88	15.88
			Φ, inch	5/8"	5/8"
Drain Pipe		Φ, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
Field Wiring	Power Source Wire		mm ²	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable		mm ²	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED
Sound Data	Sound Pressure Level	High / Mid / Low	dB(A)	38 / 36 / 33	37 / 36 / 34
	Sound Power Level	Cooling		57	66
Dimensions	Net Weight		kg	30.5	40.5
	Shipping Weight		kg	35.5	48.0
	Net Dimensions (W×H×D)		mm	1100 x 199 x 600	1300 x 295 x 690
	Shipping Dimensions (W×H×D)		mm	1350 x 280 x 710	1575 x 370 x 835
Panel Size	Panel model		-	-	-
	Panel Net Weight		kg	-	-
	Shipping Weight		kg	-	-
	Net Dimensions (W×H×D)		mm	-	-
	Shipping Dimensions (W×H×D)		mm	-	-
Additional Accessories	Drain pump	Drain pump	-	Drain Pump Included	Drain Pump Included
		Max. lifting Height	mm	-	-
	Air Filter		-	-	-

NOTE

- 1) Mode : HP(Heat Pump), HR(Heat Recovery)
- 2) Nominal Cooling : Indoor temperature 27°CDB / 19°CWB, Outdoor temperature 35°CDB/24°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- 3) Nominal Heating : Indoor temperature 20°CDB / 15°CWB, Outdoor temperature 7°CDB / 6°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- 4) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 5) These products contain R410A which is fluorinated greenhouse gas.
- 6) Specifications may be subject to change without prior notice.

7 Slim duct (Drain pump integrated)

7-1. Specifications

Type				SLIM DUCT	SLIM DUCT	SLIM DUCT
Model				AM112KNLDEH***	AM128KNLDEH***	AM140KNLDEH***
Power Supply			Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode				-	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	11.20	12.80	14.00
			Btu/h	38,200	43,700	47,800
		Heating	kW	12.50	13.80	16.00
			Btu/h	42,700	47,100	54,600
Power	Power Input (Nominal)	Cooling	W	170.00	200.00	220.00
		Heating		170.00	200.00	220.00
	Current Input (Nominal)	Cooling	A	0.96	1.28	1.43
		Heating		0.96	1.28	1.43
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor	Output x n	W	-	-	-
	Air Flow Rate	H/M/L (UL)	CMM	31.20/29.00/27.00	34.00/32.00/30.00	36.00/34.00/32.00
			l/s	520.00/483.33/450.00	566.67/533.33/500.00	600.00/566.67/533.33
	External Static Pressure	Min / Std / Max	mmAq	0.00/3.00/6.00	0.00/3.00/6.00	0.00/3.00/6.00
Pa			0.00/29.42/58.84	0.00/29.42/58.84	0.00/29.42/58.84	
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	9.52	
		Φ, inch	3/8"	3/8"	3/8"	
	Gas Pipe	Φ, mm	15.88	15.88	15.88	
		Φ, inch	5/8"	5/8"	5/8"	
Drain Pipe	Φ, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)		
Field Wiring	Power Source Wire		mm ²	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable		mm ²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound Data	Sound Pressure Level	High / Mid / Low	dB(A)	37 / 36 / 34	37 / 36 / 34	39 / 38 / 36
	Sound Power Level	Cooling		66	66	68
Dimensions	Net Weight		kg	40.5	42.0	42.0
	Shipping Weight		kg	48.0	49.5	49.5
	Net Dimensions (W×H×D)		mm	1300 x 295 x 690	1300 x 295 x 690	1300 x 295 x 690
	Shipping Dimensions (W×H×D)		mm	1575 x 370 x 835	1575 x 370 x 835	1575 x 370 x 835
Panel Size	Panel model		-	-	-	-
	Panel Net Weight		kg	-	-	-
	Shipping Weight		kg	-	-	-
	Net Dimensions (W×H×D)		mm	-	-	-
	Shipping Dimensions (W×H×D)		mm	-	-	-
Additional Accessories	Drain pump	Drain pump	-	Drain Pump Included	Drain Pump Included	Drain Pump Included
		Max. lifting Height	mm	-	-	-
	Air Filter		-	-	-	-

NOTE

- 1) Mode : HP(Heat Pump), HR(Heat Recovery)
- 2) Nominal Cooling : Indoor temperature 27°CDB / 19°CWB, Outdoor temperature 35°CDB/24°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- 3) Nominal Heating : Indoor temperature 20°CDB / 15°CWB, Outdoor temperature 7°CDB / 6°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- 4) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 5) These products contain R410A which is fluorinated greenhouse gas.
- 6) Specifications may be subject to change without prior notice.

Slim duct (Drain pump integrated)

7-2. Capacity tables

1) Cooling

TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)																	
		20 (°C, DB)		23 (°C, DB)		26 (°C, DB)		27 (°C, DB)		28 (°C, DB)		30 (°C, DB)		32 (°C, DB)					
		14 (°C, WB)	SHC	TC	SHC	18 (°C, WB)	SHC	TC	SHC	19 (°C, WB)	SHC	TC	SHC	20 (°C, WB)	SHC	TC	SHC	22 (°C, WB)	SHC
045	10	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.4	3.3				
	12	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.4	3.3				
	14	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.4	3.3				
	16	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.3	3.0				
	18	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.3	3.0				
	20	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.3	3.0				
	21	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.3	3.0				
	23	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.3	3.0				
	25	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.3	3.0				
	27	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.3	3.0				
	29	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.3	3.0				
	31	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.3	3.0				
	33	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.3	3.0				
	35	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.3	3.0				
	37	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.6	3.1	4.9	3.1	5.2	3.0				
	39	3.1	2.6	3.7	3.0	4.2	3.1	4.5	3.2	4.6	3.1	4.9	3.1	5.1	2.9				
056	10	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.3	4.1	6.7	3.9				
	12	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.3	4.1	6.7	3.9				
	14	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.7	3.9				
	16	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.6	3.8				
	18	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.6	3.8				
	20	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.6	3.8				
	21	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.6	3.8				
	23	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.6	3.8				
	25	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.6	3.8				
	27	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.6	3.8				
	29	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.6	3.8				
	31	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.6	3.8				
	33	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.6	3.8				
	35	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.2	4.0	6.6	3.8				
	37	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.1	3.9	6.5	3.7				
	39	3.9	3.1	4.6	3.6	5.3	3.8	5.6	4.0	5.8	4.0	6.1	3.9	6.4	3.6				
071	10	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	8.0	5.7	8.5	5.4				
	12	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.5	5.4				
	14	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.5	5.4				
	16	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3				
	18	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3				
	20	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3				
	21	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3				
	23	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3				
	25	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3				
	27	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3				
	29	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3				
	31	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3				
	33	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3				
	35	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3				
	37	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.3	5.5	7.8	5.5	8.2	5.2				
	39	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.3	5.5	7.7	5.4	8.1	5.1				
090	10	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.4	7.1	10.1	7.1	10.8	7.1				
	12	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.4	7.1	10.1	7.1	10.8	7.1				
	14	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.7	6.9				
	16	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.7	6.9				
	18	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8				
	20	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8				
	21	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8				
	23	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8				
	25	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8				
	27	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8				
	29	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8				
	31	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8				
	33	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8				
	35	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8				
	37	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	9.9	6.9	10.4	6.7				
	39	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.2	6.9	9.7	6.8	10.2	6.6				
112	10	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.5	8.9	13.4	8.6				
	12	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.5	8.9	13.4	8.6				
	14	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.5	8.9	13.4	8.6				
	16	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.5	8.9	13.3	8.5				
	18	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.5	8.9	13.3	8.5				
	20	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5				
	21	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5				
	23	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5				
	25	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5				
	27	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5				
	29	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5				
	31	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5				
	33	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5				
	35	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5				
	37	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.9	13.2	8.5				
	39	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.3	8.8	13.0	8.4				

7 Slim duct (Drain pump integrated)

7-2. Capacity tables

1) Cooling

TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)													
		20 (°C, DB) 14 (°C, WB)		23 (°C, DB) 16 (°C, WB)		26 (°C, DB) 18 (°C, WB)		27 (°C, DB) 19 (°C, WB)		28 (°C, DB) 20 (°C, WB)		30 (°C, DB) 22 (°C, WB)		32 (°C, DB) 24 (°C, WB)	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
128	10	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.3	9.9	15.4	9.8
	12	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.3	9.9	15.3	9.7
	14	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.3	9.9	15.3	9.7
	16	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.2	9.8	15.2	9.7
	18	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.2	9.8	15.1	9.6
	20	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.2	9.8	15.1	9.6
	21	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.2	9.8	15.1	9.6
	23	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.2	9.8	15.1	9.6
	25	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.2	9.8	15.1	9.6
	27	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.2	9.8	15.1	9.6
	29	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.2	9.8	15.1	9.6
	31	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.2	9.8	15.1	9.6
	33	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.2	9.8	15.1	9.6
	35	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.3	9.8	14.2	9.8	15.1	9.6
	37	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.2	9.8	14.0	9.7	14.9	9.5
39	8.8	7.7	10.4	8.8	12.0	9.4	12.8	9.8	13.1	9.7	13.8	9.5	14.5	9.3	
140	10	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.6	10.8	15.7	10.9	16.8	10.8
	12	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.6	10.8	16.7	10.7
	14	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.6	10.8	16.7	10.7
	16	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.6	10.8	16.6	10.6
	18	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.5	10.7	16.6	10.6
	20	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.5	10.7	16.5	10.5
	21	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.5	10.7	16.5	10.5
	23	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.5	10.7	16.5	10.5
	25	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.5	10.7	16.5	10.5
	27	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.5	10.7	16.5	10.5
	29	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.5	10.7	16.5	10.5
	31	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.5	10.7	16.5	10.5
	33	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.5	10.7	16.5	10.5
	35	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.5	10.7	16.5	10.5
	37	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.5	10.7	15.4	10.6	16.3	10.4
39	9.7	8.5	11.4	9.6	13.1	10.4	14.0	10.7	14.4	10.6	15.1	10.4	15.9	10.2	

7 Slim duct (Drain pump integrated)

7-2. Capacity tables

2) Heating

TC : Total Capacity(kW)

Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
			TC	TC	TC	TC	TC
	DB	WB	kW	kW	kW	kW	kW
045	-20	-21	3.1	3.1	2.9	2.9	2.9
	-17	-18	3.2	3.2	3.1	3.0	3.0
	-15	-16	3.3	3.3	3.2	3.1	3.0
	-12	-13	3.5	3.4	3.4	3.3	3.2
	-10	-11	3.7	3.6	3.6	3.5	3.5
	-7	-8	3.9	3.8	3.8	3.7	3.6
	-5	-6	4.1	4.0	4.0	3.9	3.7
	-3	-4	4.3	4.2	4.2	4.0	3.9
	0	-1	4.5	4.4	4.4	4.2	4.0
	3	2.2	4.7	4.7	4.6	4.4	4.2
	5	4.1	4.9	4.9	4.8	4.5	4.2
	7	6	5.1	5.1	5.0	4.6	4.2
	9	7.9	5.3	5.2	5.0	4.6	4.2
	11	9.8	5.5	5.2	5.0	4.6	4.2
	13	12	5.6	5.3	5.0	4.6	4.2
	15	14	5.8	5.4	5.0	4.6	4.2
056	-20	-21	3.9	3.8	3.8	3.7	3.7
	-17	-18	4.0	4.0	3.9	3.8	3.8
	-15	-16	4.2	4.1	4.0	3.9	3.8
	-12	-13	4.4	4.3	4.2	4.2	4.1
	-10	-11	4.6	4.6	4.5	4.4	4.4
	-7	-8	4.9	4.8	4.8	4.7	4.5
	-5	-6	5.2	5.1	5.0	4.9	4.7
	-3	-4	5.4	5.3	5.3	5.1	4.9
	0	-1	5.7	5.6	5.5	5.3	5.0
	3	2.2	5.9	5.9	5.8	5.6	5.3
	5	4.1	6.2	6.1	6.0	5.7	5.3
	7	6	6.5	6.4	6.3	5.8	5.3
	9	7.9	6.7	6.5	6.3	5.8	5.3
	11	9.8	6.9	6.6	6.3	5.8	5.3
	13	12	7.1	6.7	6.3	5.8	5.3
	15	14	7.3	6.8	6.3	5.8	5.3
071	-20	-21	4.9	4.9	4.8	4.7	4.7
	-17	-18	5.1	5.0	4.9	4.8	4.8
	-15	-16	5.3	5.2	5.1	4.9	4.8
	-12	-13	5.6	5.5	5.4	5.3	5.2
	-10	-11	5.9	5.8	5.7	5.6	5.6
	-7	-8	6.2	6.1	6.0	5.9	5.8
	-5	-6	6.5	6.5	6.4	6.2	6.0
	-3	-4	6.9	6.8	6.7	6.4	6.2
	0	-1	7.2	7.1	7.0	6.7	6.4
	3	2.2	7.6	7.5	7.3	7.1	6.8
	5	4.1	7.9	7.8	7.7	7.2	6.8
	7	6	8.2	8.1	8.0	7.4	6.8
	9	7.9	8.5	8.2	8.0	7.4	6.8
	11	9.8	8.7	8.4	8.0	7.4	6.8
	13	12	9.0	8.5	8.0	7.4	6.8
	15	14	9.2	8.6	8.0	7.4	6.8
090	-20	-21	6.0	6.0	5.9	5.8	5.8
	-17	-18	6.3	6.3	6.1	6.0	5.9
	-15	-16	6.7	6.5	6.3	6.1	6.0
	-12	-13	7.0	6.9	6.7	6.6	6.5
	-10	-11	7.3	7.2	7.1	7.0	7.0
	-7	-8	7.8	7.7	7.6	7.4	7.2
	-5	-6	8.2	8.1	8.0	7.7	7.5
	-3	-4	8.6	8.5	8.4	8.1	7.7
	0	-1	9.0	8.9	8.8	8.4	8.0
	3	2.2	9.4	9.3	9.2	8.8	8.4
	5	4.1	9.9	9.7	9.6	9.0	8.4
	7	6	10.3	10.1	10.0	9.2	8.4
	9	7.9	10.6	10.3	10.0	9.2	8.4
	11	9.8	10.9	10.5	10.0	9.2	8.4
	13	12	11.2	10.6	10.0	9.2	8.4
	15	14	11.6	10.8	10.0	9.2	8.4
112	-20	-21	7.4	7.4	7.3	7.3	7.3
	-17	-18	8.0	7.8	7.6	7.5	7.4
	-15	-16	8.4	8.1	7.9	7.7	7.5
	-12	-13	8.8	8.6	8.4	8.2	8.1
	-10	-11	9.2	9.0	8.9	8.8	8.7
	-7	-8	9.7	9.6	9.4	9.2	9.0
	-5	-6	10.2	10.1	9.9	9.6	9.3
	-3	-4	10.7	10.6	10.5	10.1	9.7
	0	-1	11.3	11.1	11.1	10.5	10.0
	3	2.2	11.8	11.6	11.5	11.0	10.6
	5	4.1	12.3	12.2	12.0	11.3	10.6
	7	6	12.9	12.7	12.5	11.5	10.6
	9	7.9	13.3	12.9	12.5	11.5	10.6
	11	9.8	13.7	13.1	12.5	11.5	10.6
	13	12	14.0	13.3	12.5	11.5	10.6
	15	14	14.4	13.5	12.5	11.5	10.6

7 Slim duct (Drain pump integrated)

7-2. Capacity tables

2) Heating

TC : Total Capacity(kW)

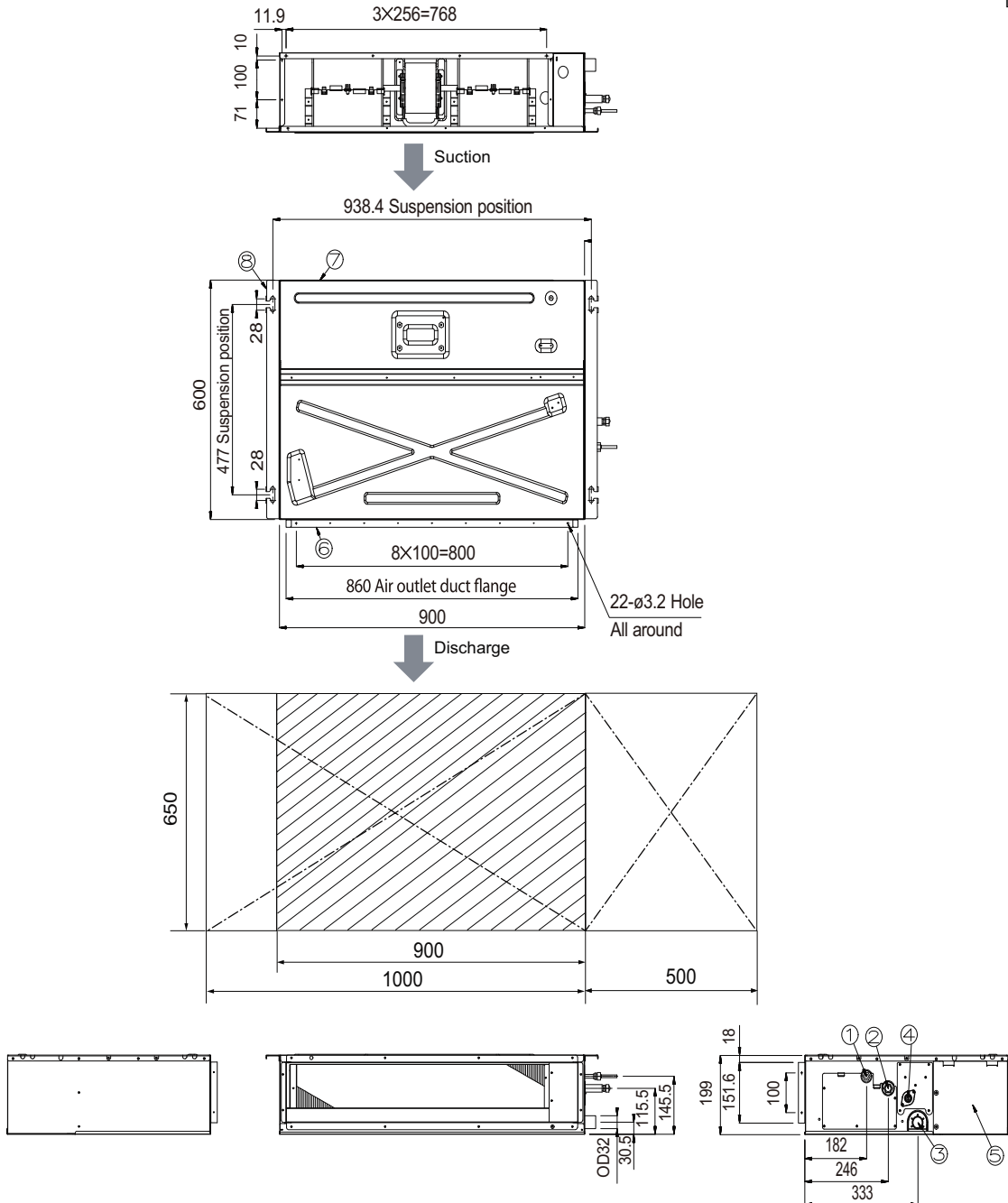
Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)					
			16.0	18.0	20.0	22.0	24.0	
			TC	TC	TC	TC	TC	
	DB	WB	kW	kW	kW	kW	kW	kW
128	-20	-21	8.1	8.1	8.0	8.0	8.0	
	-17	-18	8.7	8.5	8.4	8.3	8.1	
	-15	-16	9.2	9.0	8.7	8.5	8.2	
	-12	-13	9.7	9.5	9.3	9.1	8.9	
	-10	-11	10.1	10.0	9.9	9.7	9.6	
	-7	-8	10.7	10.6	10.4	10.2	10.0	
	-5	-6	11.3	11.1	11.0	10.7	10.3	
	-3	-4	11.9	11.7	11.5	11.1	10.7	
	0	-1	12.4	12.3	12.1	11.6	11.0	
	3	2.2	13.0	12.9	12.7	12.2	11.7	
	5	4.1	13.6	13.4	13.2	12.4	11.7	
	7	6	14.2	14.0	13.8	12.7	11.7	
	9	7.9	14.6	14.2	13.8	12.7	11.7	
	11	9.8	15.1	14.4	13.8	12.7	11.7	
	13	12	15.5	14.7	13.8	12.7	11.7	
15	14	15.9	14.9	13.8	12.7	11.7		
140	-20	-21	9.5	9.5	9.4	9.4	9.3	
	-17	-18	10.1	9.9	9.6	9.6	9.4	
	-15	-16	10.7	10.4	10.1	9.8	9.5	
	-12	-13	11.2	11.0	10.8	10.6	10.3	
	-10	-11	11.7	11.6	11.4	11.3	11.1	
	-7	-8	12.4	12.2	12.1	11.8	11.5	
	-5	-6	13.1	12.9	12.7	12.3	12.0	
	-3	-4	13.8	13.6	13.4	12.9	12.4	
	0	-1	14.4	14.2	14.0	13.4	12.8	
	3	2.2	15.1	14.9	14.7	14.1	13.5	
	5	4.1	15.8	15.6	15.3	14.4	13.5	
	7	6	16.5	16.2	16.0	14.8	13.5	
	9	7.9	17.0	16.5	16.0	14.8	13.5	
	11	9.8	17.5	16.7	16.0	14.8	13.5	
	13	12	18.0	17.0	16.0	14.8	13.5	
15	14	18.5	17.2	16.0	14.8	13.5		

7 Slim duct (Drain pump integrated)

7-3. Dimensional drawing

AM045/056KNLDEH***

[Unit : mm]



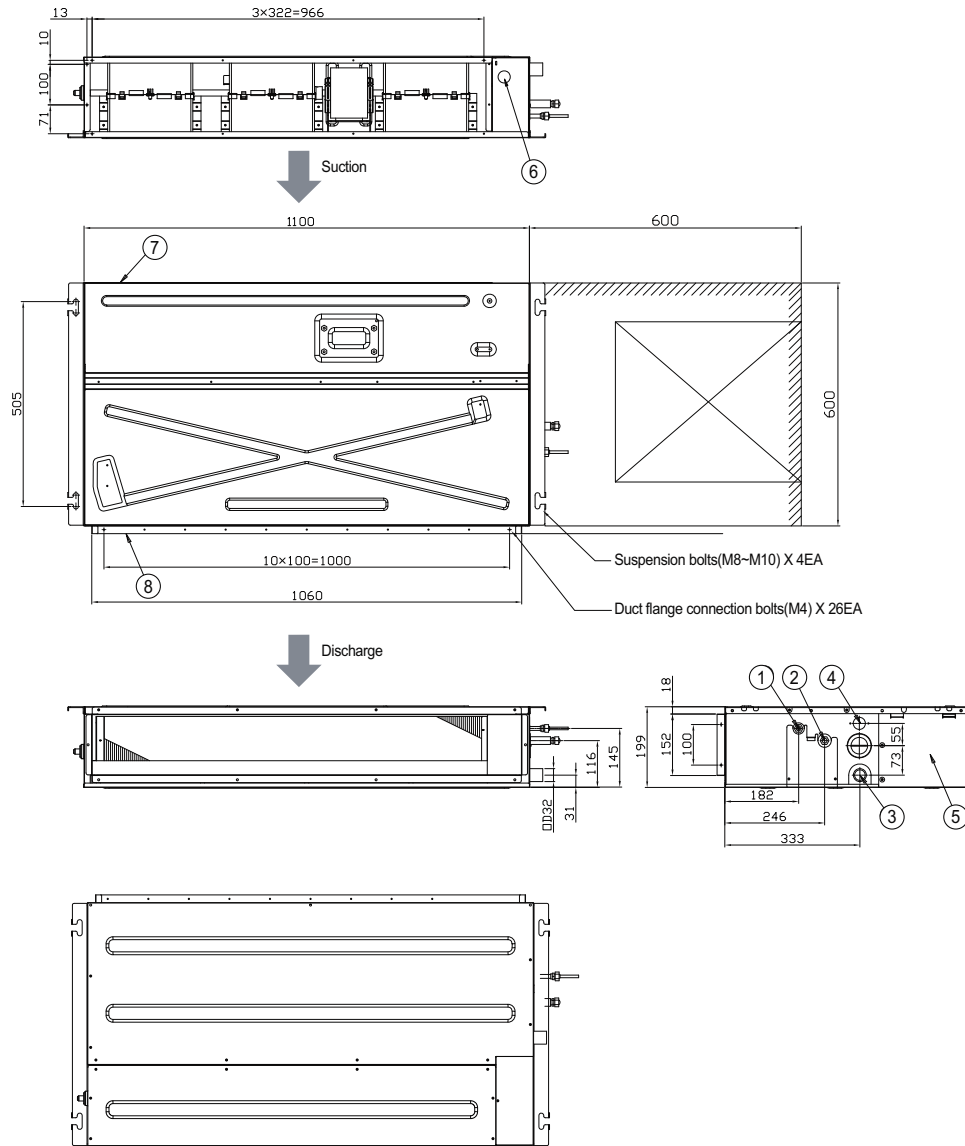
No.	Name	Description	
		4.5kW	5.6kW
①	Liquid pipe connection	Ø6.35 Flare	
②	Gas pipe connection	Ø12.70 Flare	
③	Drain pipe connection without optional drain pump	N/A	
④	Drain pipe connection with integrated drain pump	VP25 (OD 32, ID 25)	
⑤	Control unit	-	
⑥	Conduit for power supply & communication wiring	-	
⑦	Return air side	-	
⑧	Air outlet duct flange	-	

7 Slim duct (Drain pump integrated)

7-3. Dimensional drawing

AM071KNLDEH***

[Unit : mm]



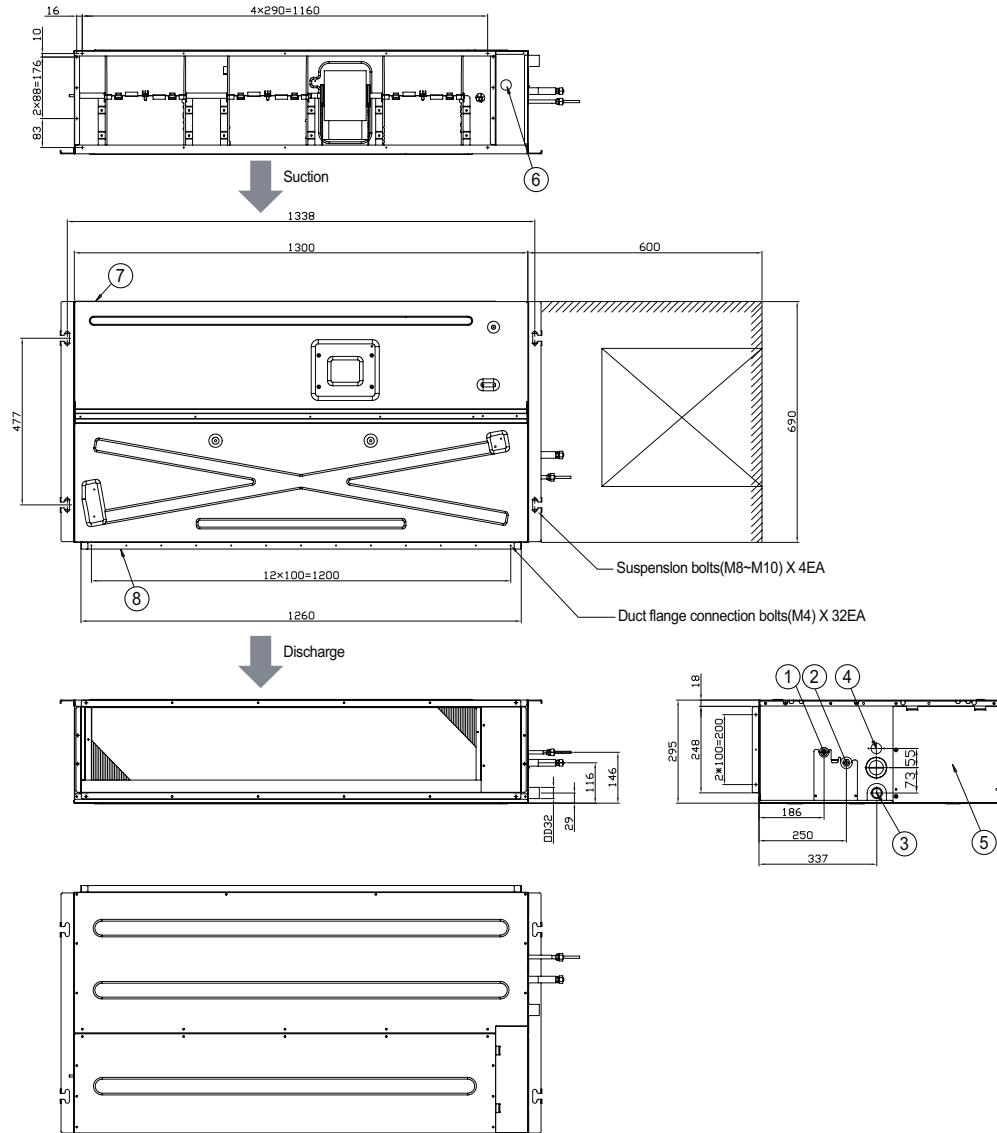
No.	Name	Description
		7.1kW
①	Liquid pipe connection	Ø9.52 Flare
②	Gas pipe connection	Ø15.88 Flare
③	Drain pipe connection without optional drain pump	N/A
④	Drain pipe connection with integrated drain pump	VP25 (OD 32, ID 25)
⑤	Control unit	
⑥	Conduit for power supply & communication wiring	
⑦	Return air side	
⑧	Air outlet duct flange	

7 Slim duct (Drain pump integrated)

7-3. Dimensional drawing

AM090/112/128/140KNLDEH***

[Unit : mm]

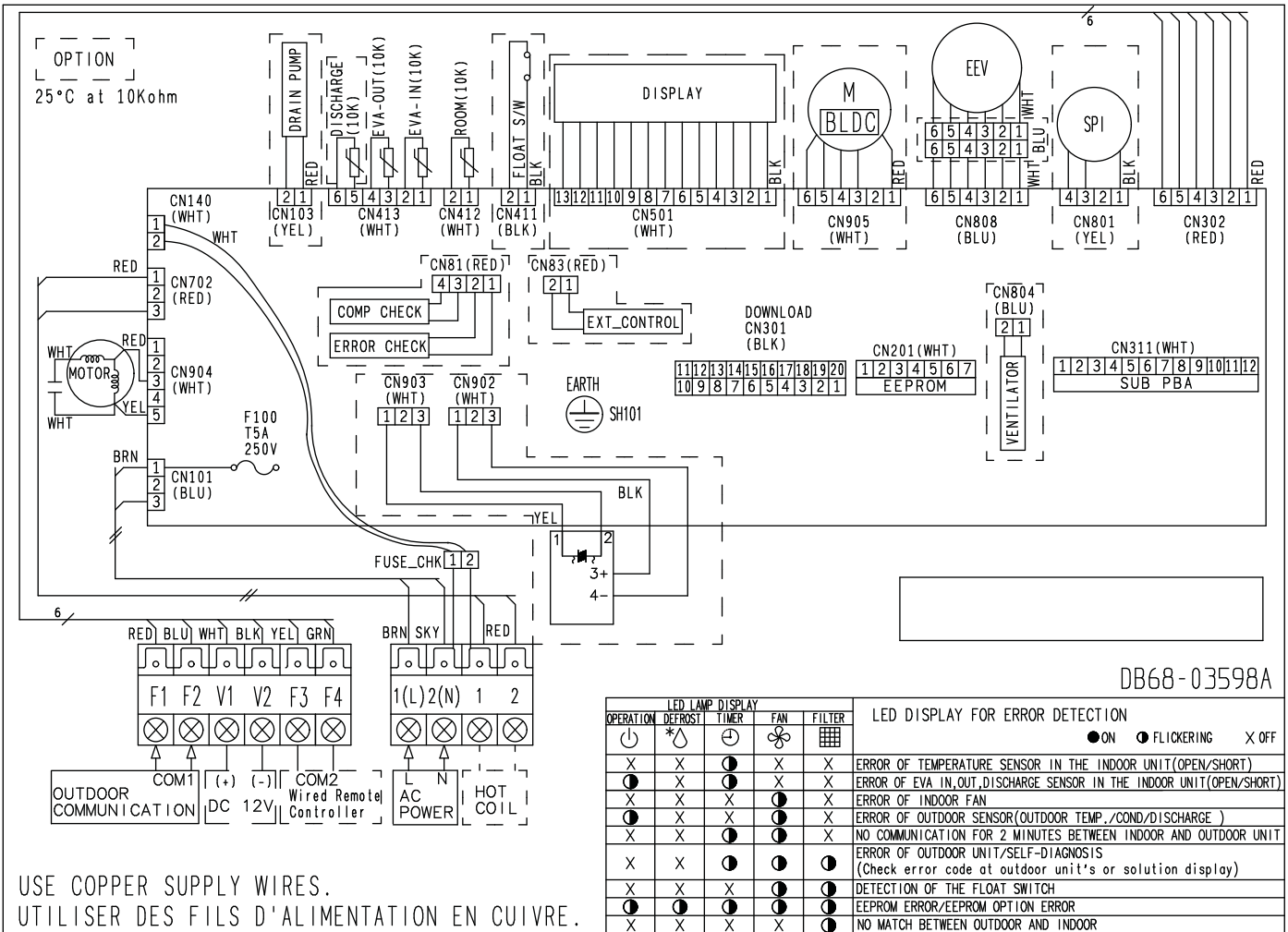


No.	Name	Description			
		9.0kW	11.2kW	12.8kW	14.0kW
①	Liquid pipe connection	Ø9.52 Flare			
②	Gas pipe connection	Ø15.88 Flare			
③	Drain pipe connection without optional drain pump	N/A			
④	Drain pipe connection with integrated drain pump	VP25 (OD 32, ID 25)			
⑤	Control unit	-			
⑥	Conduit for power supply & communication wiring	-			
⑦	Return air side	-			
⑧	Air outlet duct flange	-			

7 Slim duct (Drain pump integrated)

7-4. Electrical wiring diagram

AM045/056/071KNLDEH***



ROOM(10K)	Thermistor ROOM(10K)	EEV	electronic expansion valve	EVA-IN(10K)	Thermistor EVA IN(10K)
DISCHARGE(10K)	Thermistor DISCHARGE(10K)	SPI	S-Plasma ion	EVA-OUT(10K)	Thermistor EVA OUT(10K)

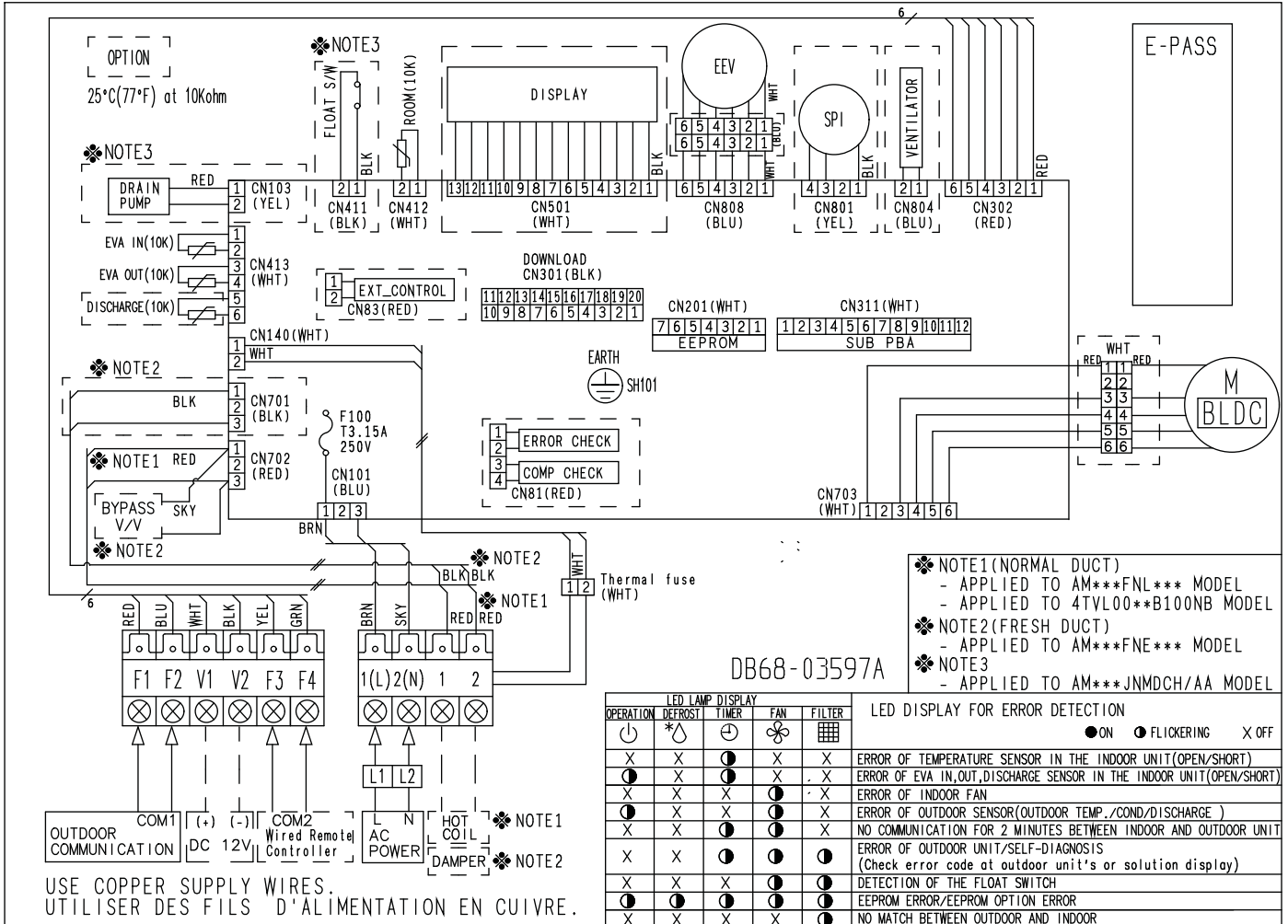
NOTE

1. This wiring diagram applies only to the indoor unit.
2. Symbols show as follow;
BLK : black, RED : red, BLU : blue, WHT:white, YEL : yellow, BRN : brown, SKY : sky-blue, GRN : green
3. For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remotecontroller transmission F3-F4.
4. Protective earth(screw)

7 Slim duct (Drain pump integrated)

7-4. Electrical wiring diagram

AM090/112/128/140KNLDEH***



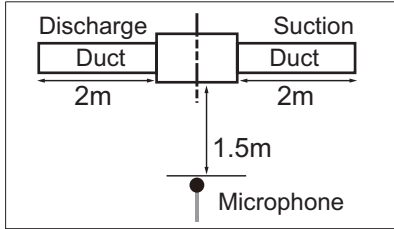
M [BLDC]	Motor (BLDC)	EEV	electronic expansion valve	EVA-IN(10K)	Thermistor EVA IN(10K)
DISCHARGE(10K)	Thermistor DISCHARGE(10K)	SPI	S-Plasma ion	EVA-OUT(10K)	Thermistor EVA OUT(10K)

NOTE

1. This wiring diagram applies only to the indoor unit.
2. Symbols show as follow;
BLK : black, RED : red, BLU : blue, WHT: white, YEL : yellow, BRN : brown, SKY : sky-blue, GRN : green
3. For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remotecontroller transmission F3-F4.
4. Protective earth (screw)

7 Slim duct (Drain pump integrated)

7-5. Sound pressure level



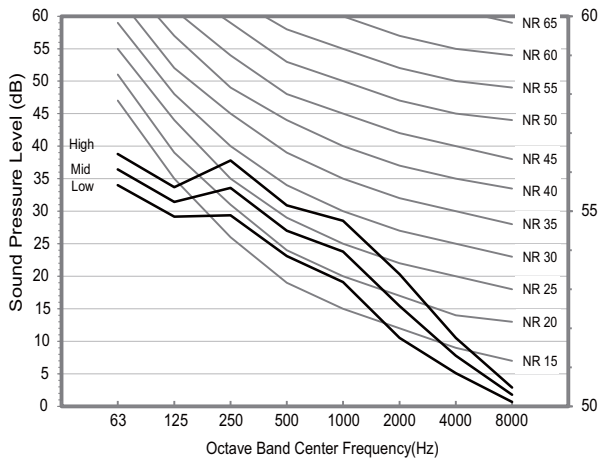
Model	Unit: dB(A)	
	High	Low
AM045KNLDEH***	35	26
AM056KNLDEH***	36	31
AM071KNLDEH***	38	33
AM090KNLDEH***	37	34

Note

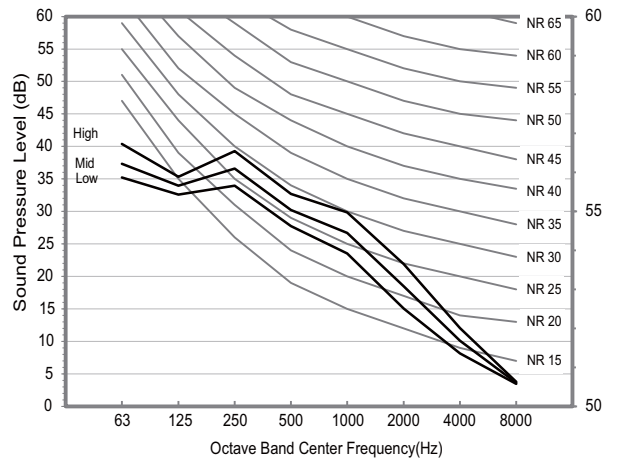
Specifications may be subject to change without prior notice.
 Sound pressure level is obtained in an anechoic room.
 Sound pressure level is a relative value, depending on the distance and acoustic environment.
 Sound pressure level may differ depending on operation condition.
 dBA = A-weighted sound pressure level
 Reference acoustic pressure 0 dB= 20 uPa

NR curve

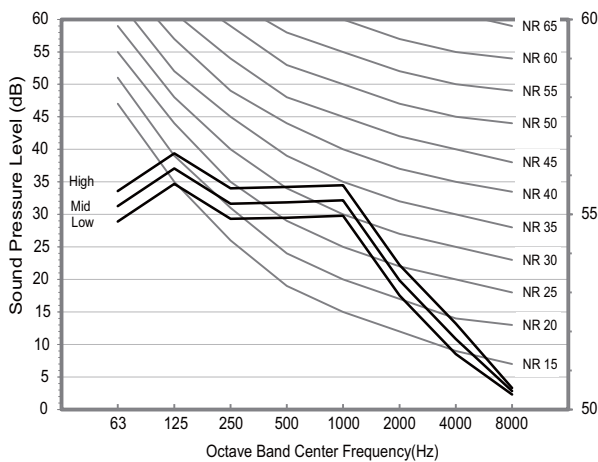
1) AM045KNLDEH***



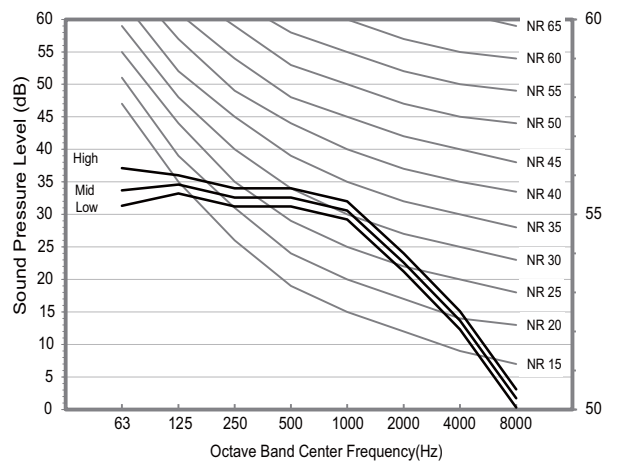
2) AM056KNLDEH***



3) AM071KNLDEH***

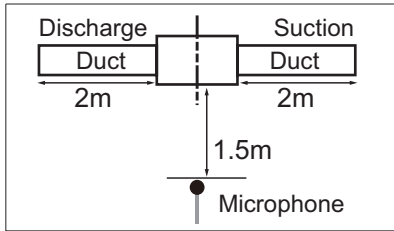


4) AM090KNLDEH***



7 Slim duct (Drain pump integrated)

7-5. Sound pressure level



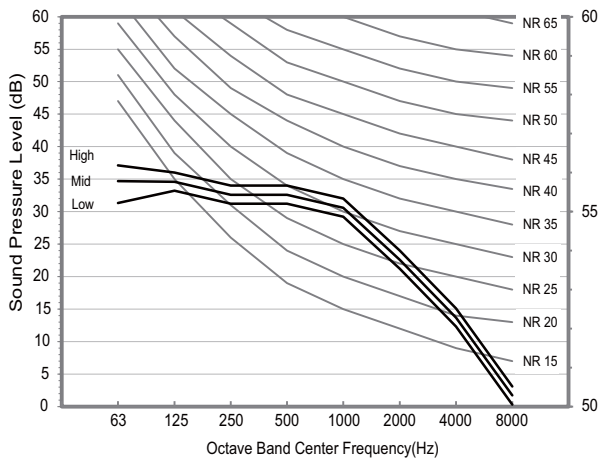
Model	Unit: dB(A)	
	High	Low
AM112KNLDEH***	37	34
AM128KNLDEH***	37	34
AM140KNLDEH***	39	36

Note

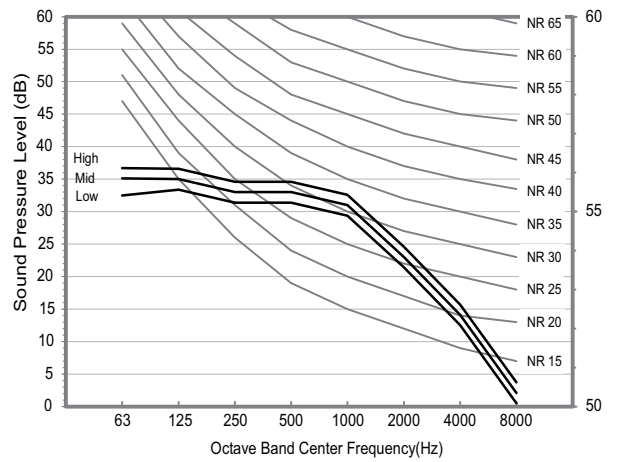
Specifications may be subject to change without prior notice.
 Sound pressure level is obtained in an anechoic room.
 Sound pressure level is a relative value, depending on the distance and acoustic environment.
 Sound pressure level may differ depending on operation condition.
 dBA = A-weighted sound pressure level
 Reference acoustic pressure 0 dB= 20 uPa

NR curve

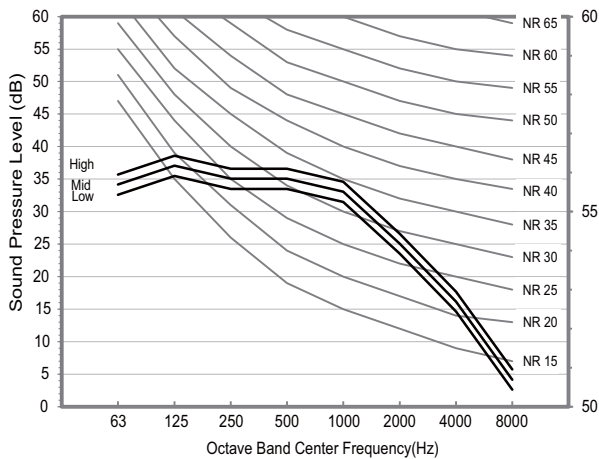
5) AM112KNLDEH***



6) AM128KNLDEH***



7) AM140KNLDEH***

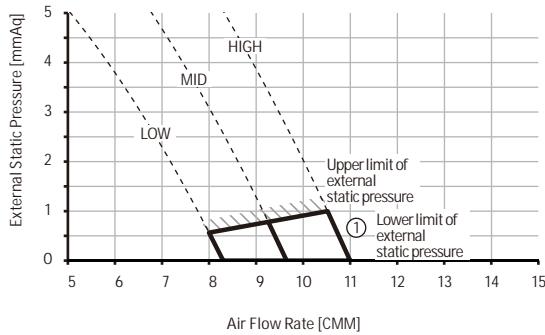


7 Slim duct (Drain pump integrated)

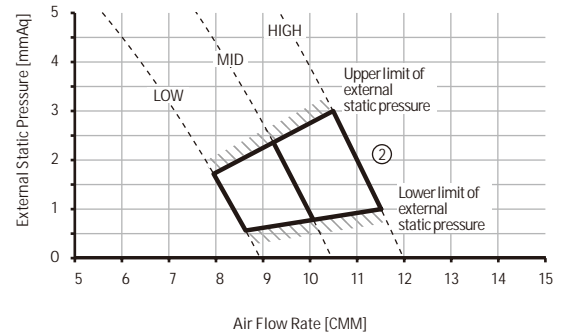
7-6. Recommended operation range

1) AM045KNLDEH/TK

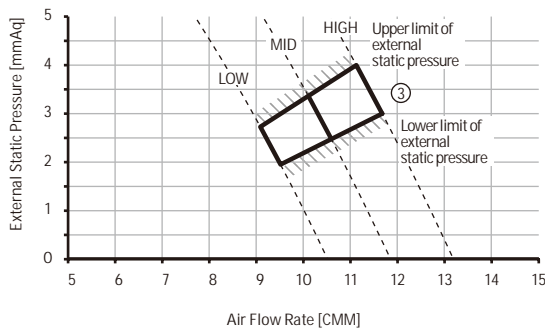
①	External Static Pressure(mmAq)	Option Code
	0	010054-12599F-202D2D-331110



②	External Static Pressure(mmAq)	Option Code
	2	010054-125AE2-202D2D-331110



③	External Static Pressure(mmAq)	Option Code
	4	010054-125EF6-202D2D-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

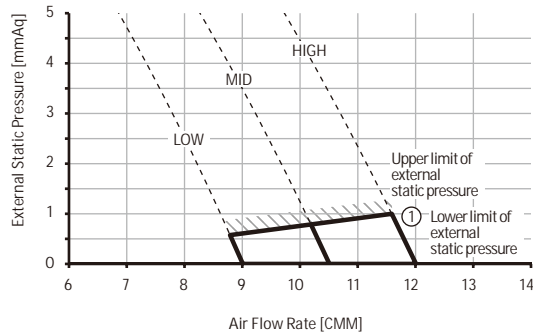
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

7 Slim duct (Drain pump integrated)

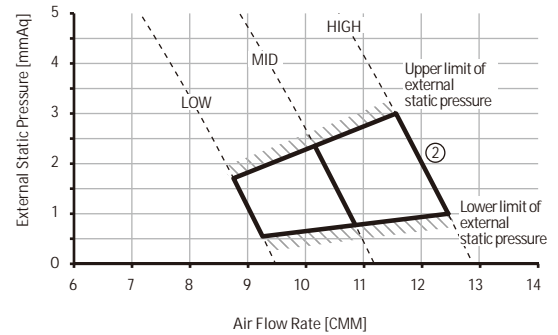
7-6. Recommended operation range

2) AM056KNLDEH/TK

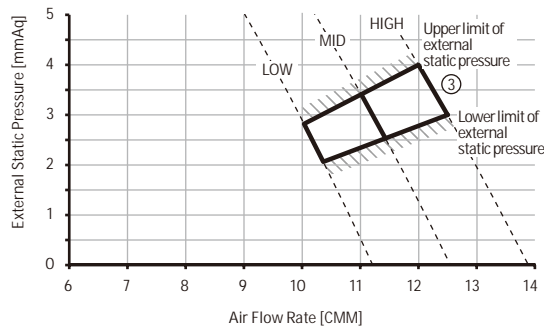
①	External Static Pressure(mmAq)	Option Code
	0	010054-125AC1-203838-331110



②	External Static Pressure(mmAq)	Option Code
	2	010054-125E34-203838-331110



③	External Static Pressure(mmAq)	Option Code
	4	010054-125EF9-203838-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

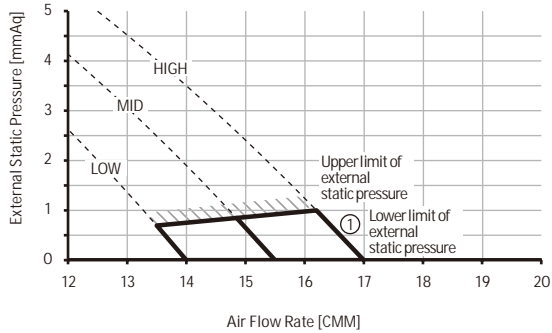
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

7 Slim duct (Drain pump integrated)

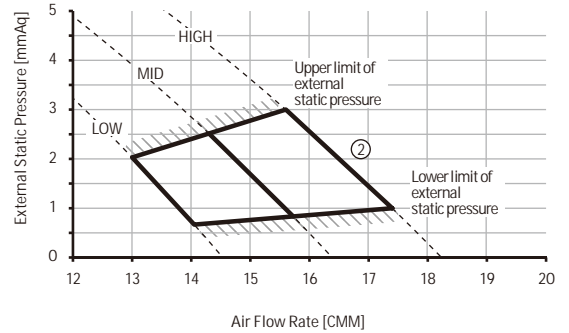
7-6. Recommended operation range

3) AM071KNLDEH/TK

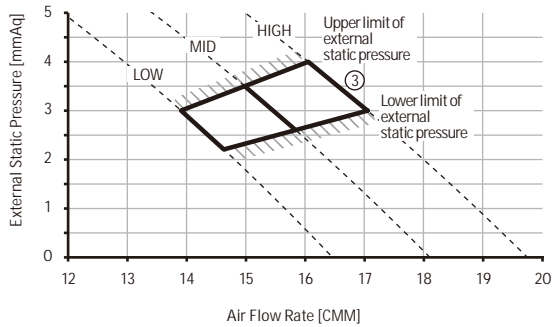
①	External Static Pressure(mmAq)	Option Code
	0	010054-1259BB-204747-331110



②	External Static Pressure(mmAq)	Option Code
	2	010054-125D9E-204747-331110



③	External Static Pressure(mmAq)	Option Code
	4	010054-125EF4-204747-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

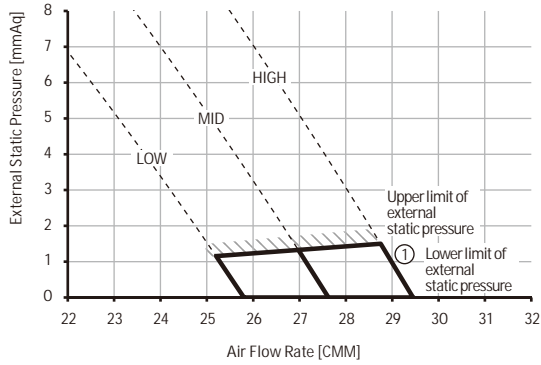
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

7 Slim duct (Drain pump integrated)

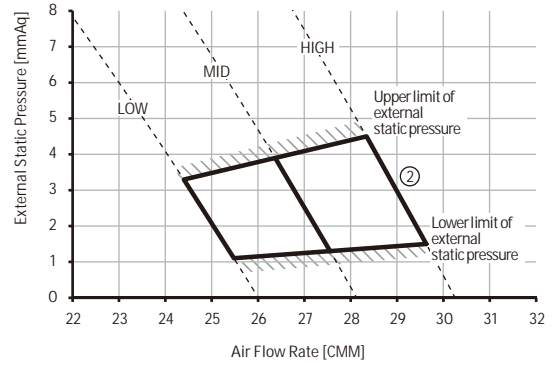
7-6. Recommended operation range

4) AM090KNLDEH/TK

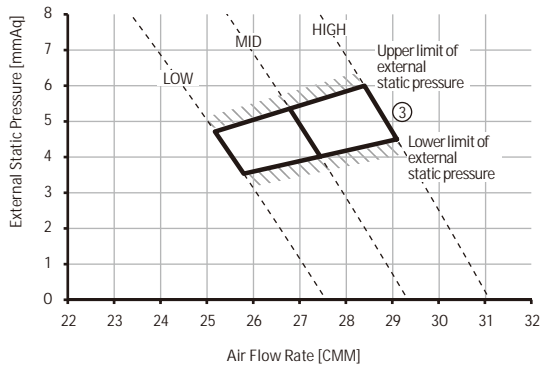
①	External Static Pressure(mmAq)	Option Code
	0	010054-1B596C-205A5A-331110



②	External Static Pressure(mmAq)	Option Code
	3	010054-1B5AD4-205A5A-331110



③	External Static Pressure(mmAq)	Option Code
	6	010054-1B5E2A-205A5A-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

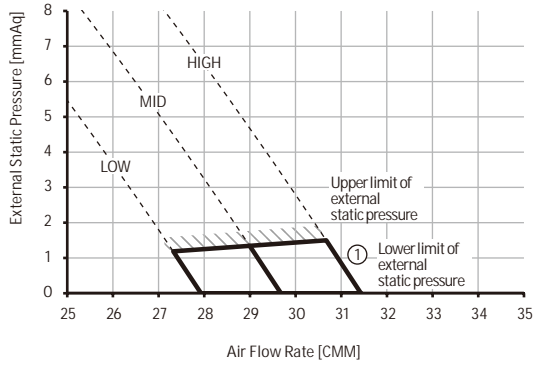
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

7 Slim duct (Drain pump integrated)

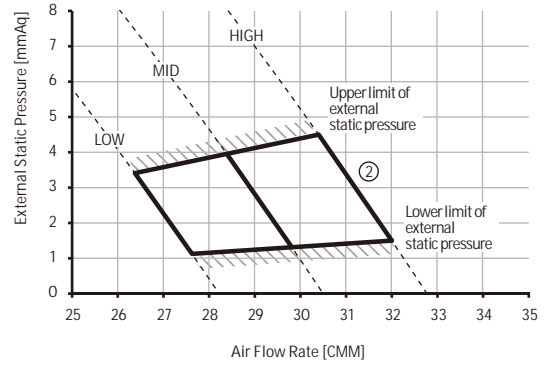
7-6. Recommended operation range

5) AM112KNLDEH/TK

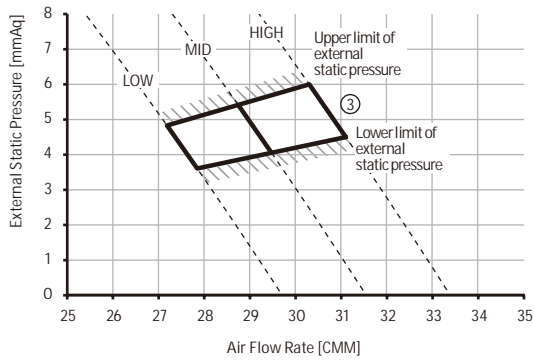
①	External Static Pressure(mmAq)	Option Code
	0	010054-1B596C-207070-331110



②	External Static Pressure(mmAq)	Option Code
	3	010054-1B5AD4-207070-331110



③	External Static Pressure(mmAq)	Option Code
	6	010054-1B5E2A-207070-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

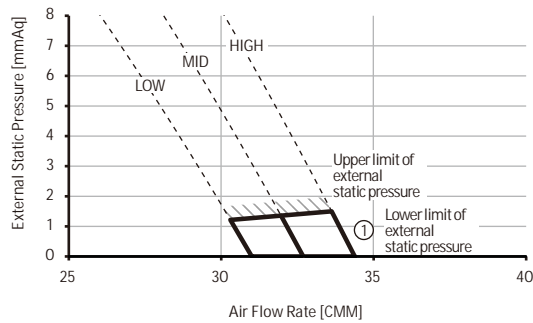
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

7 Slim duct (Drain pump integrated)

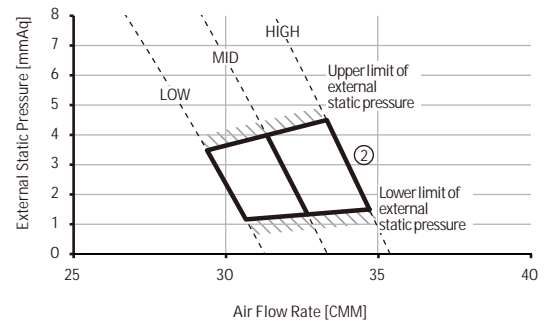
7-6. Recommended operation range

6) AM128KNLDEH/TK

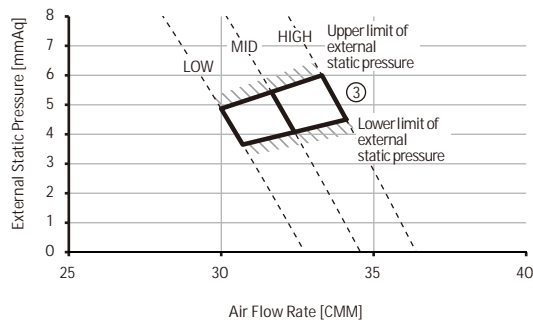
①	External Static Pressure(mmAq)	Option Code
	0	010054-1B5AF5-208080-331110



②	External Static Pressure(mmAq)	Option Code
	3	010054-1B5E4B-208080-331110



③	External Static Pressure(mmAq)	Option Code
	6	010054-1B5E8F-208080-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

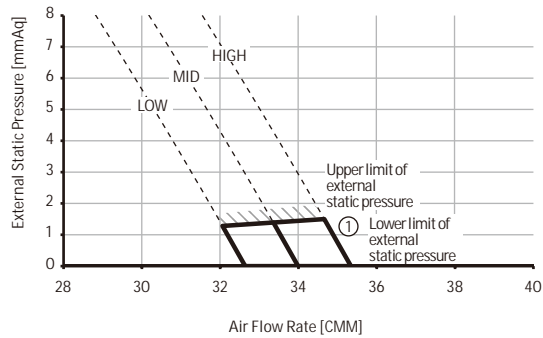
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

7 Slim duct (Drain pump integrated)

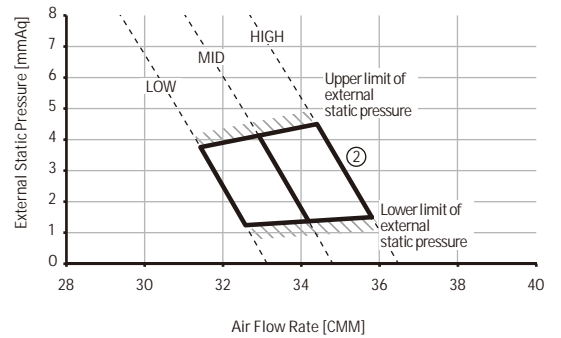
7-6. Recommended operation range

7) AM140KNLDEH/TK

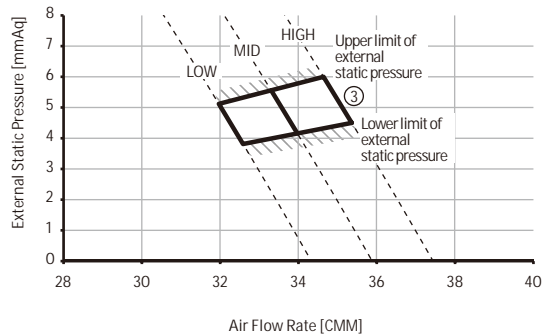
①	External Static Pressure(mmAq)	Option Code
	0	010054-1B5E34-208C8C-331110



②	External Static Pressure(mmAq)	Option Code
	3	010054-1B5E7F-208C8C-331110



③	External Static Pressure(mmAq)	Option Code
	6	010054-1B5FC3-208C8C-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

8 Slim duct Home (Drain pump integrated)

- 8-1. Specifications
- 8-2. Capacity tables
- 8-3. Dimensional drawing
- 8-4. Electrical wiring diagram
- 8-5. Sound pressure level
- 8-6. Recommended operation range

8-1. Specifications

Type				SLIM DUCT	SLIM DUCT	SLIM DUCT
Model				AM022KNLDEH/TK	AM028KNLDEH/TK	AM036KNLDEH/TK
Power Supply			Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode				-	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	2.2	2.8	3.6
			Btu/h	7,500	9,600	12,300
		Heating	kW	2.5	3.2	4.0
			Btu/h	8,500	10,900	13,600
Power	Power Input (Nominal)	Cooling	W	30	34	40
		Heating		30	36	42
	Current Input (Nominal)	Cooling	A	0.25	0.28	0.33
		Heating		0.25	0.30	0.35
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor	Output x n	W	69 x 1	69 x 1	69 x 1
	Air Flow Rate	H/M/L (UL)	CMM	6.00 / 4.90 / 3.80	7.05 / 5.15 / 4.35	8.20 / 6.50 / 4.90
			l/s	100 / 81.67 / 63.33	117.5 / 85.83 / 72.5	136.67 / 108.33 / 81.67
	External Static Pressure	Min / Std / Max	mmAq	0.0 / 1.0 / 3.0	0.0 / 1.0 / 3.0	0.0 / 1.0 / 3.0
Pa			0.00 / 9.81 / 29.42	0.00 / 9.81 / 29.42	0.00 / 9.81 / 29.42	
Piping Connections	Liquid Pipe		Φ, mm	6.35	6.35	6.35
			Φ, inch	1/4"	1/4"	1/4"
	Gas Pipe		Φ, mm	12.70	12.70	12.70
			Φ, inch	1/2"	1/2"	1/2"
Drain Pipe		Φ, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
Field Wiring	Power Source Wire		mm ²	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable		mm ²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound Data	Sound Pressure Level	High / Mid / Low	dB(A)	26 / 23 / 19	28 / 24 / 19	31 / 26 / 20
	Sound Power Level	Cooling		-	-	-
Dimensions	Net Weight		kg	15.3	15.3	15.7
	Shipping Weight		kg	18.2	18.2	18.6
	Net Dimensions (W×H×D)		mm	700 x 199 x 440	700 x 199 x 440	700 x 199 x 440
	Shipping Dimensions (W×H×D)		mm	949 x 280 x 544	949 x 280 x 544	949 x 280 x 544
Panel Size	Panel model		-	-	-	-
	Panel Net Weight		kg	-	-	-
	Shipping Weight		kg	-	-	-
	Net Dimensions (W×H×D)		mm	-	-	-
	Shipping Dimensions (W×H×D)		mm	-	-	-
Additional Accessories	Drain pump	Drain pump	-	Drain Pump Included	Drain Pump Included	Drain Pump Included
		Max. lifting Height / Displacement	mm / liter/h	750 / 24	750 / 24	750 / 24
	Air Filter		-	Filter Included	Filter Included	Filter Included

NOTE

- 1) Mode : HP(Heat Pump), HR(Heat Recover)
- 2) Nominal Cooling : Indoor temperature 27°CDB / 19°CWB, Outdoor temperature 35°CDB/24°CWB, Refrigerant pipe length 7.5m, Lev difference 0m.
- 3) Nominal Heating : Indoor temperature 20°CDB / 15°CWB, Outdoor temperature 7°CDB / 6°CWB, Refrigerant pipe length 7.5m, Lev difference 0m.
- 4) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 5) These products contain R410A which is fluorinated greenhouse gas.
- 6) Specifications may be subject to change without prior notice.

8-2. Capacity tables

Cooling

TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

Model	Outdoor temperature (°C, DB)	Indoor temperature													
		20 (°C, DB)		23 (°C, DB)		26 (°C, DB)		27 (°C, DB)		28 (°C, DB)		30 (°C, DB)		32 (°C, DB)	
		14 (°C, WB)		16 (°C, WB)		18 (°C, WB)		19 (°C, WB)		20 (°C, WB)		22 (°C, WB)		24 (°C, WB)	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
022	10	1.5	1.1	1.8	1.3	2.1	1.5	2.2	1.5	2.3	1.5	2.5	1.6	2.6	1.4
	12	1.5	1.1	1.8	1.3	2.1	1.5	2.2	1.5	2.3	1.5	2.5	1.6	2.6	1.4
	14	1.5	1.1	1.8	1.3	2.1	1.5	2.2	1.5	2.3	1.5	2.5	1.6	2.6	1.4
	16	1.5	1.1	1.8	1.3	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	18	1.5	1.1	1.8	1.3	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	20	1.5	1.1	1.8	1.3	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	21	1.5	1.1	1.8	1.3	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	23	1.5	1.1	1.8	1.3	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	25	1.5	1.1	1.8	1.3	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	27	1.5	1.1	1.8	1.3	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	29	1.5	1.1	1.8	1.3	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	31	1.5	1.1	1.8	1.3	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	33	1.5	1.1	1.8	1.3	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	35	1.5	1.1	1.8	1.3	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	37	1.5	1.1	1.8	1.3	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	39	1.5	1.1	1.8	1.3	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.5	1.3
42	1.5	1.1	1.8	1.3	2.1	1.5	2.1	1.4	2.2	1.4	2.3	1.4	2.4	1.2	
44	1.5	1.1	1.8	1.3	2.0	1.4	2.1	1.4	2.1	1.3	2.2	1.3	2.2	1.1	
46	1.5	1.1	1.8	1.3	2.0	1.4	2.1	1.4	2.1	1.3	2.2	1.3	2.2	1.1	
028	10	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.4	2.0
	12	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	14	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	16	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	18	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	20	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	21	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	23	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	25	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	27	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	29	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	31	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	33	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	35	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	37	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.1	2.0	3.3	1.9
	39	1.9	1.6	2.3	1.8	2.6	1.9	2.8	2.0	2.9	2.0	3.0	1.9	3.2	1.8
42	1.9	1.6	2.3	1.8	2.6	1.9	2.7	1.9	2.8	2.0	2.9	1.8	3.0	1.7	
44	1.9	1.6	2.3	1.8	2.5	1.8	2.7	1.9	2.7	1.9	2.8	1.7	2.8	1.6	
46	1.9	1.6	2.3	1.8	2.5	1.8	2.7	1.9	2.7	1.9	2.8	1.7	2.8	1.6	
036	10	2.5	1.9	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.3	2.4
	12	2.5	1.9	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.3	2.4
	14	2.5	1.9	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.3	2.4
	16	2.5	1.9	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.3	2.4
	18	2.5	1.9	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	20	2.5	1.9	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	21	2.5	1.9	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	23	2.5	1.9	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	25	2.5	1.9	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	27	2.5	1.9	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	29	2.5	1.9	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	31	2.5	1.9	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	33	2.5	1.9	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	35	2.5	1.9	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	37	2.5	1.9	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	3.9	2.4	4.2	2.3
	39	2.5	1.9	2.9	2.2	3.4	2.4	3.6	2.5	3.7	2.5	3.9	2.4	4.1	2.2
42	2.5	1.9	2.9	2.2	3.4	2.4	3.5	2.4	3.6	2.3	3.7	2.3	3.9	2.1	
44	2.5	1.9	2.9	2.2	3.2	2.3	3.4	2.3	3.5	2.2	3.5	2.2	3.6	2.0	
46	2.5	1.9	2.9	2.2	3.2	2.3	3.4	2.3	3.5	2.2	3.5	2.2	3.6	2.0	

8-2. Capacity tables

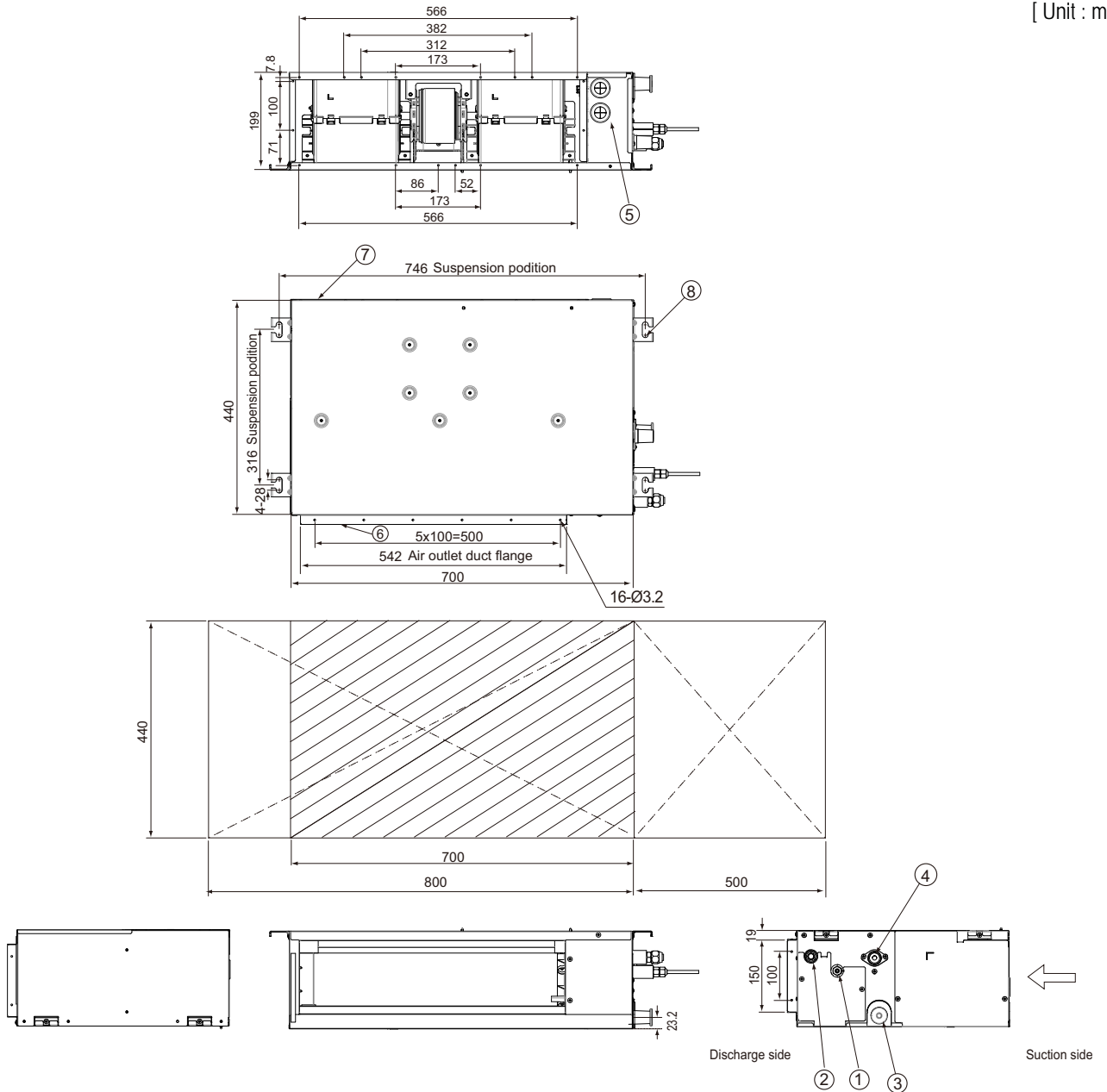
Heating

TC : Total Capacity(kW)

Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)				
			16	18	20	22	24
	DB	WB	TC	TC	TC	TC	TC
022	-20	-21	1.5	1.5	1.5	1.5	1.5
	-17	-18	1.6	1.6	1.6	1.6	1.6
	-15	-16	1.7	1.6	1.6	1.6	1.6
	-12	-13	1.8	1.8	1.8	1.8	1.7
	-10	-11	2.0	2.0	1.9	1.9	1.9
	-7	-8	2.3	2.2	2.2	2.0	2.0
	-5	-6	2.4	2.3	2.3	2.2	2.2
	-3	-4	2.5	2.5	2.4	2.3	2.2
	0	-1	2.6	2.5	2.5	2.3	2.2
	3	2.2	2.7	2.6	2.5	2.3	2.2
	5	4.1	2.8	2.7	2.5	2.3	2.2
	7	6	2.8	2.7	2.5	2.3	2.2
	9	7.9	3.0	2.7	2.5	2.3	2.2
	11	9.8	3.0	2.7	2.5	2.3	2.2
	13	12	3.0	2.7	2.5	2.3	2.2
15	14	3.0	2.7	2.5	2.3	2.2	
028	-20	-21	1.9	1.9	1.9	1.9	1.9
	-17	-18	2.0	2.0	2.0	2.0	1.9
	-15	-16	2.1	2.1	2.0	2.0	1.9
	-12	-13	2.2	2.2	2.2	2.1	2.1
	-10	-11	2.3	2.3	2.3	2.3	2.2
	-7	-8	2.5	2.4	2.4	2.4	2.3
	-5	-6	2.6	2.6	2.5	2.5	2.4
	-3	-4	2.8	2.7	2.7	2.6	2.5
	0	-1	2.9	2.8	2.8	2.7	2.6
	3	2.2	3.0	3.0	2.9	2.8	2.7
	5	4.1	3.2	3.1	3.1	2.9	2.7
	7	6	3.3	3.2	3.2	3.0	2.7
	9	7.9	3.4	3.3	3.2	3.0	2.7
	11	9.8	3.5	3.3	3.2	3.0	2.7
	13	12	3.6	3.4	3.2	3.0	2.7
15	14	3.7	3.4	3.2	3.0	2.7	
036	-20	-21	2.4	2.4	2.3	2.3	2.3
	-17	-18	2.6	2.5	2.4	2.4	2.3
	-15	-16	2.7	2.6	2.5	2.5	2.4
	-12	-13	2.8	2.7	2.7	2.6	2.6
	-10	-11	2.9	2.9	2.9	2.8	2.8
	-7	-8	3.1	3.1	3.0	3.0	2.9
	-5	-6	3.3	3.2	3.2	3.1	3.0
	-3	-4	3.4	3.4	3.3	3.2	3.1
	0	-1	3.6	3.6	3.5	3.4	3.2
	3	2.2	3.8	3.7	3.7	3.5	3.4
	5	4.1	3.9	3.9	3.8	3.6	3.4
	7	6	4.1	4.1	4.0	3.7	3.4
	9	7.9	4.2	4.1	4.0	3.7	3.4
	11	9.8	4.4	4.2	4.0	3.7	3.4
	13	12	4.5	4.2	4.0	3.7	3.4
15	14	4.6	4.3	4.0	3.7	3.4	

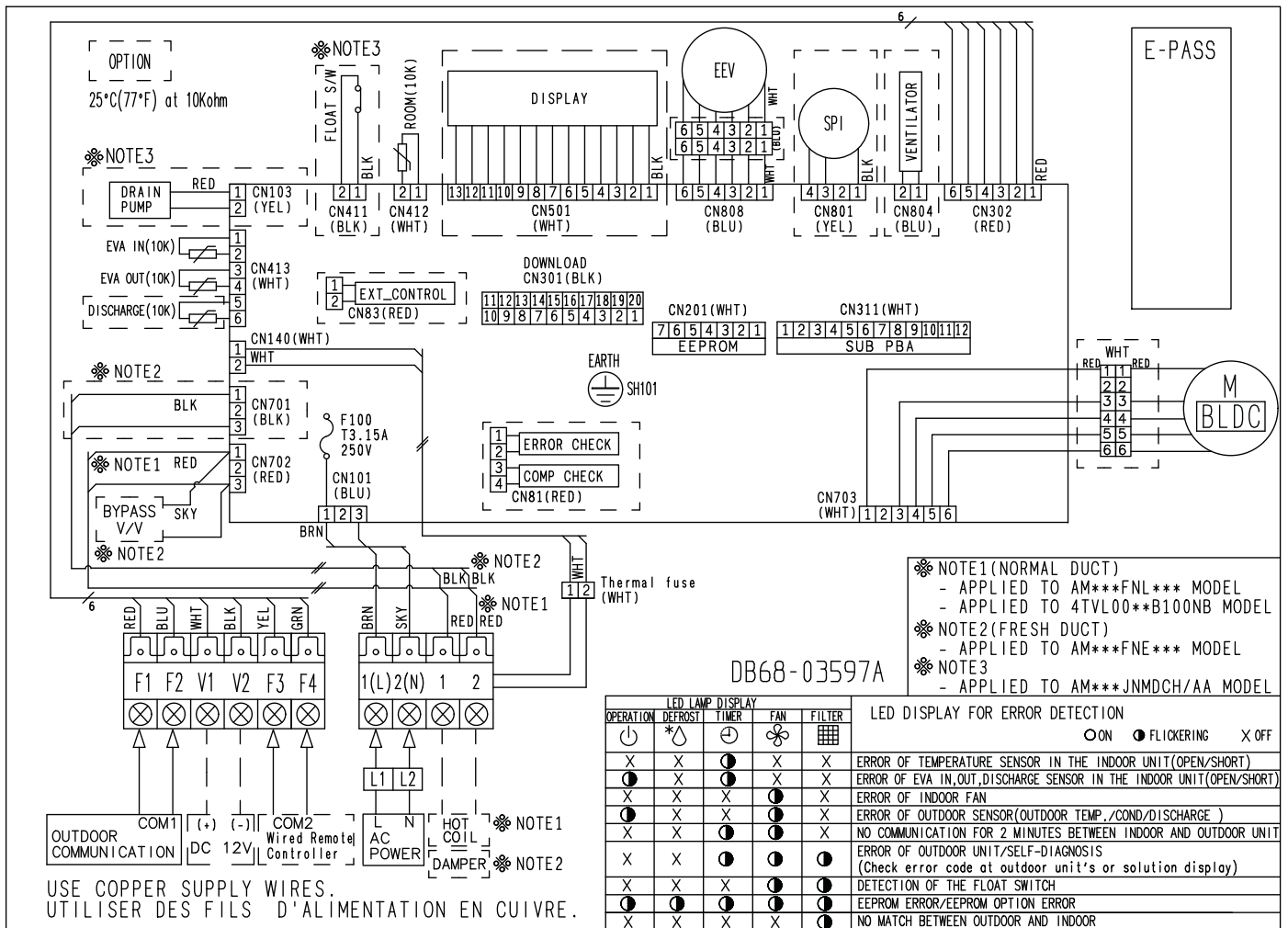
8-3. Dimensional drawing

[Unit : mm]



No.	Name	Description
1	Liquid pipe connection	ø6.35
2	Gas pipe connection	ø12.70
3	Drain pipe connection without optional drain pump	N/A
4	Drain pipe connection with integrated drain pump	VP25 (OD ø32, ID ø25)
5	Power supply/Communication connection	-
6	Air discharge grille flange	-
7	Return air side	-
8	Hook	ø9.52 or M10

8-4. Electrical wiring diagram



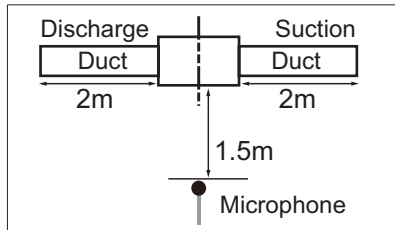
M[BLDC]	Motor (BLDC)	EEV	electronic expansion valve	EVA-IN(10K)	Thermistor EVA IN(10K)
DISCHARGE(10K)	Thermistor DISCHARGE(10K)M	SPI	S-Plasma ion	EVA-OUT(10K)	Thermistor EVA OUT(10K)

NOTE

- is wiring diagram applies only to the indoor unit.
- Symbols show as follo
BLK : black, RED : red, BLU : blue, WHT:white, YEL : yellow, BRN : brown, SKY : sky-blue, GRN : green
- or connection wiring indoor-outdoor transmission F1-F2, indoor-wired remotecontroller transmission F3-F4.
- ⊕: roective earth(screw), □□□□ : Connector, n : The wire quantity

8 Slim duct home (Drain pump integrated)

8-5. Sound pressure level



Unit: dB(A)

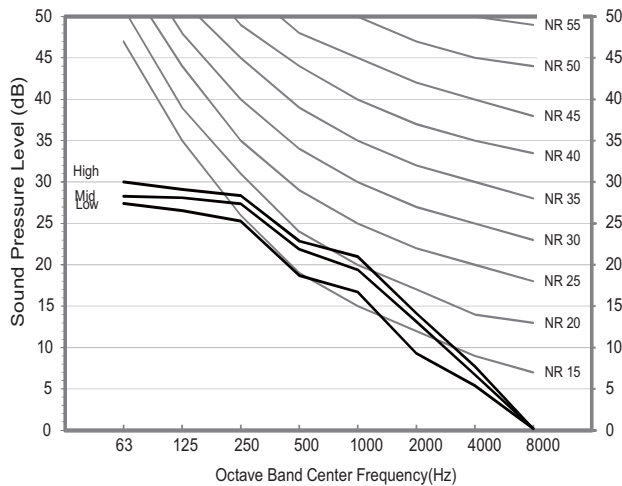
Model	High	Low
AM022KNLDEH/TK	26	19
AM028KNLDEH/TK	28	19
AM036KNLDEH/TK	31	20

Note

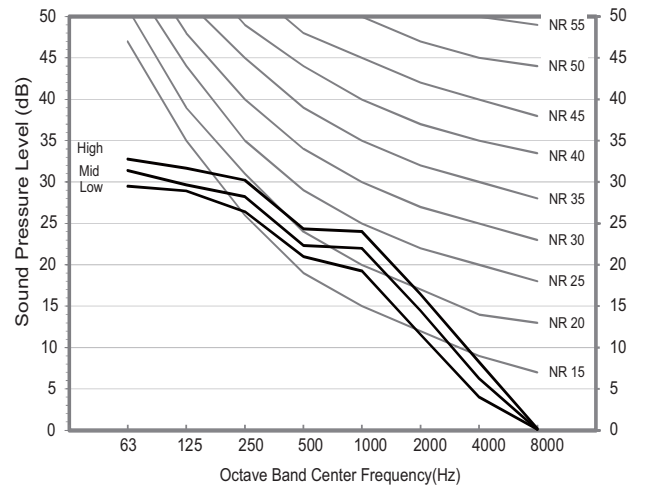
Specifications may be subject to change without prior notice.
 Sound pressure level is obtained in an anechoic room.
 Sound pressure level is a relative value, depending on the distance and acoustic environment.
 Sound pressure level may differ depending on operation condition.
 dBA = A-weighted sound pressure level
 Reference acoustic pressure 0 dB= 20 uPa

NR curve

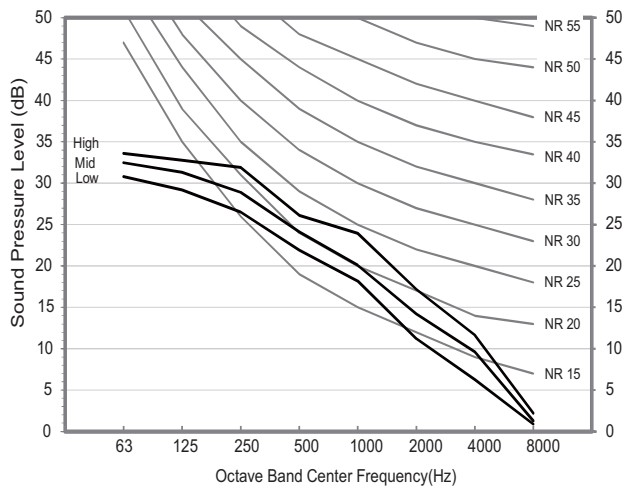
1) AM022KNLDEH/TK



2) AM028KNLDEH/TK

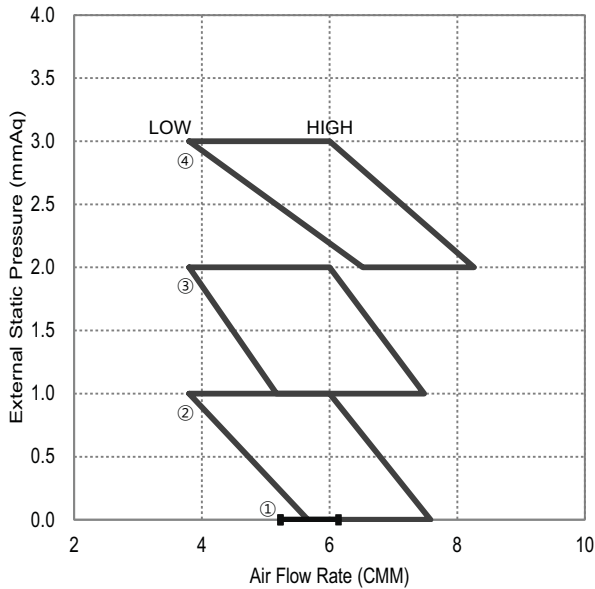


3) AM036KNLDEH/TK



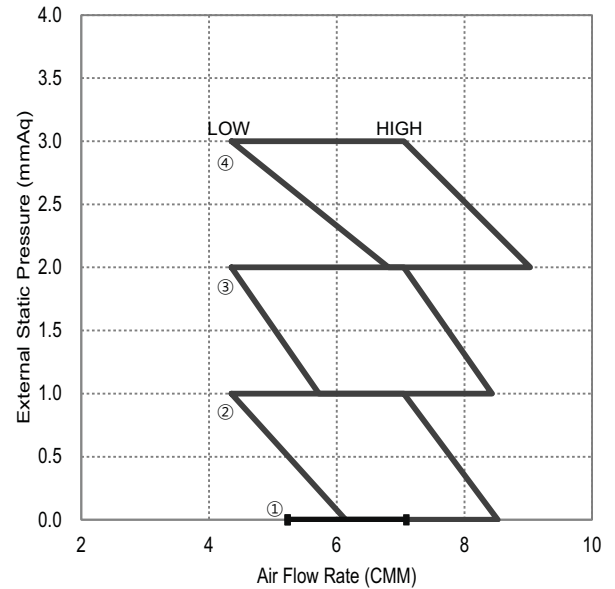
8-6. Recommended operation range

1) AM022KNLDEH/



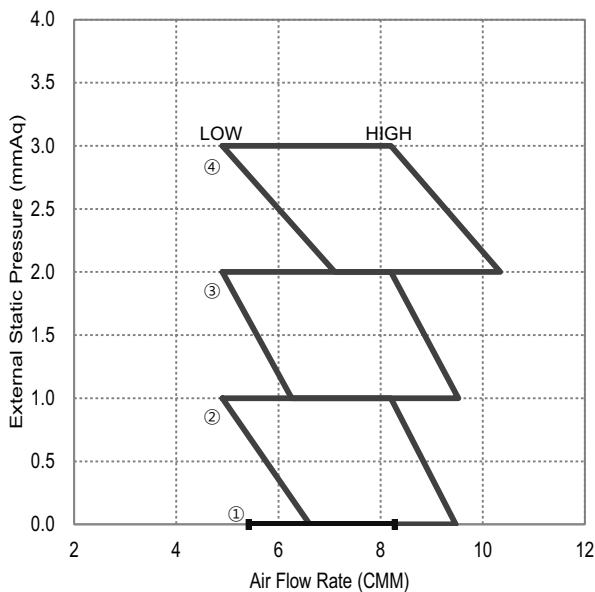
Exernal Static Pressure (mmAq)	Option code
① 0	010054-1C9073-201616-331110
② 0 < P ≤ 1(Default)	010054-1C90D5-201616-331110
③ 1 < P ≤ 2	010054-1C942A-201616-331110
④ 2 < P ≤ 3	010054-1C95A4-201616-331110

2) AM028KNLDEH/



Exernal Static Pressure (mmAq)	Option code
① 0	010054-1C90B3-201C1C-331110
② 0 < P ≤ 1(Default)	010054-1C9417-201C1C-331110
③ 1 < P ≤ 2	010054-1C946C-201C1C-331110
④ 2 < P ≤ 3	010054-1C95C5-201C1C-331110

3) AM036KNLDEH/



Exernal Static Pressure (mmAq)	Option code
① 0	010054-1C9404-202424-331110
② 0 < P ≤ 1(Default)	010054-1C9459-202424-331110
③ 1 < P ≤ 2	010054-1C94AE-202424-331110
④ 2 < P ≤ 3	010054-1C9916-202424-331110

9 MSP duct

- 9-1. Specifications
- 9-2. Capacity tables
- 9-3. Dimensional drawing
- 9-4. Electrical wiring diagram
- 9-5. Sound pressure level
- 9-6. Recommended operation range

9 MSP duct

9-1. Specifications

Model				AM022FNMDEH***	AM028FNMDEH***	AM036FNMDEH***	AM045FNMDEH***	AM056FNMDEH***	
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
Mode *1)			-	HP	HP	HP	HP	HP	
Performance	Capacity (Nominal)	Cooling *2)	kW	2.2	2.8	3.6	4.5	5.6	
			Btu/h	7,500	9,600	12,300	15,400	19,100	
		Heating *3)	kW	2.5	3.2	4.0	5.0	6.3	
			Btu/h	8,500	10,900	13,600	17,100	21,500	
Power	Power Input (Nominal)	Cooling *2)	W	80	80	85	125	130	
		Heating *3)		80	80	85	125	130	
	Current Input (Nominal)	Cooling *2)	A	0.40	0.40	0.55	1.15	1.10	
		Heating *3)		0.40	0.40	0.55	1.15	1.10	
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	
		Output	W	69	69	112	219	124	
		Number of unit	EA	1	1	1	1	1	
	Air Flow Rate	H/M/L (UL)	CMM		8.50/7.50/6.30	10.00/9.20/7.50	12.00/10.20/8.80	14.00/12.00/10.50	14.50/13.00/11.50
			l/s		141.67/125.00/105.00	166.67/153.33/125.00	200.00/170.00/146.67	233.33/200.00/175.00	241.67/216.67/191.67
	External Static Pressure	Mid/Std/Max	mmAq		0.00/2.00/6.00	0.00/2.00/6.00	0.00/2.00/6.00	0.00/4.00/8.00	0.00/4.00/8.00
			Pa		0.00/19.61/58.84	0.00/19.61/58.84	0.00/19.61/58.84	0.00/39.23/78.45	0.00/39.23/78.45
			WG		0/0.079/0.236	0/0.079/0.236	0/0.079/0.236	0/0.157/0.314	0/0.157/0.314
Option Code			-	010054-1350EA-201616-331110	010054-13542C-201C1C-331110	010054-1350F8-202424-331110	010054-125583-202D2D-331110	010054-1255C5-203838-331110	
Piping Connections	Liquid Pipe	Ø, mm		6.35	6.35	6.35	6.35	6.35	
		Ø, inch		1/4	1/4	1/4	1/4	1/4	
	Gas Pipe	Ø, mm		12.70	12.70	12.70	12.70	12.70	
		Ø, inch		1/2	1/2	1/2	1/2	1/2	
Drain Pipe	Ø, mm		VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)		
Field Wiring	Power Source Wire	Below 20m/ over 20m	mm ²	1.5/2.5	1.5/2.5	1.5/2.5	1.5/2.5	1.5/2.5	
	Transmission Cable		mm ²	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	
Refrigerant	Type	-	-	R410A	R410A	R410A	R410A	R410A	
	Control Method	-	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	
Sound	Sound pressure	High / Mid / Low *4)	dB(A)	23 / 21 / 19	24 / 22 / 19	29 / 27 / 24	32 / 30 / 28	35 / 33 / 31	
Dimensions	Net Weight		kg	23.50	23.50	23.50	29.00	29.00	
	Shipping Weight		kg	28.00	28.00	28.00	33.00	33.00	
	Net Dimensions (WxHxD)		mm	900 x 199 x 600	900 x 199 x 600	900 x 199 x 600	900 x 260 x 480	900 x 260 x 480	
	Shipping Dimensions (WxHxD)		mm	1150 x 280 x 710	1150 x 280 x 710	1150 x 280 x 710	1170 x 340 x 595	1170 x 340 x 595	
Panel Size	Panel Model		-	-	-	-	-	-	
	Net Weight		kg	-	-	-	-	-	
	Shipping Weight		kg	-	-	-	-	-	
	Net Dimensions (WxHxD)		mm	-	-	-	-	-	
	Shipping Dimensions (WxHxD)		mm	-	-	-	-	-	
Additional Accessories	Drain Pump	Drain Pump	-	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-M075SGU3D	MDP-M075SGU3D	
		Max. Lifting Height/ Displacement	mm/liter/h	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24	
	Air Filter		-	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	

* Specifications may be subject to change without prior notice for product improvement.

*1) Mode

- HP : Heat Pump

*2) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

9-1. Specifications

Model				AM071FNMDEH***	AM090FNMDEH***	AM112FNMDEH***	AM128FNMDEH***	AM140FNMDEH***
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode *1)			-	HP	HP	HP	HP	HP
Performance	Capacity (Nominal)	Cooling *2)	kW	7.1	9.0	11.2	12.8	14.0
			Btu/h	24,200	30,700	38,200	43,700	47,800
		Heating *3)	kW	8.0	10.0	12.5	13.8	16.0
			Btu/h	27,300	34,100	42,700	47,100	54,600
Power	Power Input (Nominal)	Cooling *2)	W	190	240	260	370	410
		Heating *3)		190	240	260	370	410
	Current Input (Nominal)	Cooling *2)	A	1.25	1.30	1.17	1.67	1.86
		Heating *3)		1.25	1.30	1.17	1.67	1.86
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
		Output	W	124	130	130	218	218
		Number of unit	EA	1	1	1	1	1
	Air Flow Rate	H/M/L (UL)	CMM	18.50/17.00/15.50	19.50/18.00/16.50	27.00/25.00/23.00	32.00/30.00/28.00	37.00/34.00/31.00
			l/s	308.33/283.33/258.33	325.00/300.00/275.00	450.00/416.67/383.33	533.33/500.00/466.67	616.67/566.67/516.67
	External Static Pressure	Mid/Std/Max	mmAq	0.00/4.00/8.00	4.00/6.00/8.00	4.00/8.00/12.00	4.00/8.00/14.00	4.00/8.00/14.00
			Pa	0.00/39.23/78.45	39.23/58.84/78.45	39.23/78.45/117.68	39.23/78.45/137.29	39.23/78.45/137.29
			WG	0/0.157/0.314	0.157/0.236/0.315	0.236/0.314/0.472	0.236/0.314/0.553	0.236/0.314/0.553
Option Code			-	010054-125979-204747-331110	010054-125D29-205A5A-331110	010054-122EBB-207070-331110	010054-122AE3-208080-331110	010054-122E57-208C8C-331110
Piping Connections	Liquid Pipe	Ø, mm	9.52	9.52	9.52	9.52	9.52	
		Ø, inch	3/8	3/8	3/8	3/8	3/8	
	Gas Pipe	Ø, mm	15.88	15.88	15.88	15.88	15.88	
		Ø, inch	5/8	5/8	5/8	5/8	5/8	
Drain Pipe	Ø, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)		
Field Wiring	Power Source Wire	Below 20m/ over 20m	mm ²	1.5/2.5	1.5/2.5	1.5/2.5	1.5/2.5	1.5/2.5
	Transmission Cable		mm ²	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5
Refrigerant	Type	-	-	R410A	R410A	R410A	R410A	R410A
	Control Method	-	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound pressure	High / Mid / Low*4)	dB(A)	39 / 35 / 31	40 / 37 / 34	41 / 40 / 38	41 / 40 / 38	42 / 39 / 36
Dimensions	Net Weight		kg	29.00	34.00	36.00	52.00	52.00
	Shipping Weight		kg	33.00	39.00	42.00	59.00	59.00
	Net Dimensions (WxHxD)		mm	900 x 260 x 480	1150 x 260 x 480	1150 x 320 x 480	1200 x 360 x 650	1200 x 360 x 650
	Shipping Dimensions (WxHxD)		mm	1170 x 340 x 595	1420 x 340 x 595	1420 x 400 x 595	1480 x 420 x 790	1480 x 420 x 790
Panel Size	Panel Model		-	-	-	-	-	-
	Net Weight		kg	-	-	-	-	-
	Shipping Weight		kg	-	-	-	-	-
	Net Dimensions (WxHxD)		mm	-	-	-	-	-
	Shipping Dimensions (WxHxD)		mm	-	-	-	-	-
Additional Accessories	Drain Pump	Drain Pump	-	MDP-M075SGU3D	MDP-M075SGU1D	MDP-M075SGU1D	MDP-M075SGU2D	MDP-M075SGU2D
		Max. Lifting Height/ Displacement	mm/liter/h	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24
	Air Filter		-	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter

* Specifications may be subject to change without prior notice for product improvement.

*1) Mode

- HP : Heat Pump

*2) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

9 MSP duct

9-1. Specifications

Model Name			AM160KNMDEH/TK			
Power Supply			Ø, #, V, Hz			
Mode			TK 1,2,220-240,50			
Performance	Ton			HP/HR		
				4.55		
	Capacity (Nominal)	Cooling	TON		4.55	
			kW		16.00	
		Btu/h		54,600		
		US RT		4.55		
Heating	kW		18.00			
	Btu/h		61,400			
	US RT		5.12			
Power	Power Input	Cooling	W		485.00	
		Heating	W		485.00	
	Current Input	Cooling	A		2.24	
		Heating	A		2.24	
Fan	Type		Sirocco Fan			
	Output x n		W			
			370 x 1			
	Air Flow Rate	H/M/L (UL)	CMM		43.00 / 38.00 / 30.50	
			CFM		1,518.59 / 1,342.01 / 1,077.14	
External Static Pressure	Min / Std / Max	Pa		39.20 / 78.40 / 137.20		
		In Wg		0.16 / 0.31 / 0.55		
Piping Connections	Liquid Pipe	Ø, mm		9.52		
		Ø, inch		3/8"		
	Gas Pipe	Ø, mm		15.88		
		Ø, inch		5/8"		
Drain Pipe	Ø, mm		VP25 (OD 32, ID 25)			
Field Wiring	Power Source Wire		mm ²		1.5 - 2.5	
	Transmission Cable		mm ²		0.75 - 1.50	
Refrigerant	Type		-			
	Control Method		-			
Sound	Pressure	High / Mid / Low		dB(A)		
				43 / 40 / 36		
	Power	Cooling		69		
Dimensions	Net Weight	kg		-		
		lbs		-		
	Shipping Weight	kg		-		
		lbs		-		
	Net Dimensions (WxHxD)	mm		1,200 x 360 x 650		
		inch		47.24 x 14.17 x 25.59		
	Shipping Dimensions (WxHxD)	mm		1,480 x 420 x 790		
		inch		58.27 x 16.54 x 31.10		
Panel Size	Panel model		-			
	Panel Net Weight	kg		-		
		lbs		-		
	Shipping Weight	kg		-		
		lbs		-		
	Net Dimensions (WxHxD)	mm		-		
		inch		-		
	Shipping Dimensions (WxHxD)	mm		-		
inch		-				
Additional Accessories	Drain pump	Drain pump		MDP-M075SGU2D		
		Max. lifting Height/Displacement		mm/liter/h		
	Air Filter		-		-	

* Specifications may be subject to change without prior notice for product improvement.

*1) Mode

- HP : Heat Pump

*2) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

9 MSP duct

9-2. Capacity tables

Cooling

TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)													
		20 (°C, DB)		23 (°C, DB)		26 (°C, DB)		27 (°C, DB)		28 (°C, DB)		30 (°C, DB)		32 (°C, DB)	
		14 (°C, WB)	SHC	16 (°C, WB)	SHC	18 (°C, WB)	SHC	19 (°C, WB)	SHC	20 (°C, WB)	SHC	22 (°C, WB)	SHC	24 (°C, WB)	SHC
022	10	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.5	1.8	2.6	1.6
	12	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.5	1.8	2.6	1.6
	14	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.5	1.8	2.6	1.6
	16	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6
	18	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6
	20	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6
	21	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6
	23	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6
	25	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6
	27	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6
	29	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6
	31	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6
	33	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6
	35	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6
	37	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6
	39	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.5	1.5
	42	1.5	1.3	1.8	1.5	2.1	1.7	2.1	1.6	2.2	1.6	2.3	1.6	2.4	1.4
44	1.5	1.3	1.8	1.5	2.0	1.6	2.1	1.6	2.1	1.5	2.2	1.5	2.2	1.3	
46	1.5	1.3	1.8	1.5	1.8	1.4	1.9	1.4	2.0	1.4	2.1	1.4	2.0	1.2	
028	10	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.4	2.1
	12	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	14	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	16	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	18	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	20	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	21	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	23	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	25	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	27	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	29	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	31	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	33	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	35	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	37	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	39	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.0	2.0	3.2	1.9
	42	1.9	1.7	2.3	1.9	2.6	2.0	2.7	2.0	2.8	2.1	2.9	1.9	3.0	1.8
44	1.9	1.7	2.3	1.9	2.5	1.9	2.7	2.0	2.7	2.0	2.7	1.8	2.8	1.7	
46	1.9	1.7	2.3	1.8	2.2	1.6	2.4	1.7	2.6	1.9	2.6	1.7	2.6	1.6	
036	10	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.3	2.7
	12	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.3	2.7
	14	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.3	2.7
	16	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.3	2.7
	18	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.3	2.7
	20	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
	21	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
	23	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
	25	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
	27	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
	29	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
	31	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
	33	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
	35	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
	37	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	3.9	2.7	4.2	2.6
	39	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	3.9	2.7	4.1	2.5
	42	2.5	2.2	2.9	2.5	3.4	2.7	3.5	2.7	3.6	2.6	3.7	2.6	3.9	2.4
44	2.5	2.2	2.9	2.5	3.2	2.6	3.4	2.6	3.5	2.5	3.5	2.5	3.6	2.3	
46	2.5	2.2	2.9	2.4	2.9	2.3	3.1	2.3	3.3	2.3	3.3	2.3	3.4	2.1	
045	10	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.4	3.5
	12	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.4	3.5
	14	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.4	3.5
	16	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.3	3.2
	18	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.3	3.2
	20	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.3	3.2
	21	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.3	3.2
	23	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.3	3.2
	25	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.3	3.2
	27	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.3	3.2
	29	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.3	3.2
	31	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.3	3.2
	33	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.3	3.2
	35	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.3	3.2
	37	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.6	3.3	4.9	3.3	5.2	3.2
	39	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.6	3.3	4.9	3.3	5.1	3.1
	42	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.4	3.2
44	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.6	3.3	4.9	3.3	5.2	3.2	
46	3.1	2.7	3.7	3.1	3.7	2.9	4.0	2.9	4.4	3.1	4.7	3.0	4.9	2.9	
056	10	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.3	4.4	6.7	4.2
	12	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.3	4.4	6.7	4.2
	14	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.7	4.2
	16	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.6	4.1
	18	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.6	4.1
	20	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.6	4.1
	21	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.6	4.1
	23	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.6	4.1
	25	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.6	4.1
	27	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.6	4.1
	29	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.6	4.1
	31	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.6	4.1
	33	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.6	4.1
	35	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.6	4.1
	37	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.1	4.2	6.5	4.0
	39	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.1	4.2	6.4	3.9
	42	3.9	3.4	4.6	3.9	5.3	4.1	5.4	4.2	5.6	4.2	5.8	4.1	6.7	3.7
44	3.9	3.4	4.6	3.9	5.0	4.0	5.3	4.1	5.4	4.1	5.5	4.0	6.7	3.5	
46	3.9														

9-2. Capacity tables

Cooling

TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)													
		20 (°C, DB)		23 (°C, DB)		26 (°C, DB)		27 (°C, DB)		28 (°C, DB)		30 (°C, DB)		32 (°C, DB)	
		14 (°C, WB)	SHC	16 (°C, WB)	SHC	18 (°C, WB)	SHC	19 (°C, WB)	SHC	20 (°C, WB)	SHC	22 (°C, WB)	SHC	24 (°C, WB)	SHC
071	10	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	8.0	5.7	8.5	5.4
	12	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.5	5.4
	14	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.5	5.4
	16	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	18	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	20	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	21	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	23	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	25	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	27	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	29	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	31	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	33	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	35	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	37	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.3	5.5	7.8	5.5	8.2	5.2
	39	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.3	5.5	7.7	5.4	8.1	5.1
	42	4.9	4.3	5.8	5.0	6.7	5.2	6.9	5.3	7.0	5.4	7.3	5.3	7.6	4.9
44	4.9	4.3	5.8	5.0	6.3	5.0	6.7	5.2	6.8	5.3	7.0	5.2	7.1	4.7	
46	4.9	4.2	5.7	4.8	5.8	4.5	6.2	4.7	6.5	4.9	6.7	4.8	7.1	4.7	
090	10	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.4	7.1	10.1	7.1	10.8	7.1
	12	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.4	7.1	10.1	7.1	10.8	7.1
	14	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.7	6.9
	16	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.7	6.9
	18	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	20	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	21	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	23	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	25	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	27	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	29	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	31	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	33	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	35	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	37	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	9.9	6.9	10.4	6.7
	39	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.2	6.9	9.7	6.8	10.2	6.6
	42	6.2	5.5	7.3	6.3	8.4	6.7	8.7	6.7	8.9	6.8	9.3	6.6	9.6	6.4
44	6.2	5.5	7.3	6.3	8.0	6.5	8.6	6.6	8.6	6.7	8.8	6.4	9.0	6.2	
46	6.2	5.4	7.2	6.1	7.3	5.8	7.8	5.8	8.2	6.2	8.4	5.9	9.0	6.2	
112	10	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.5	8.4	13.4	8.3
	12	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.5	8.4	13.4	8.3
	14	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.5	8.4	13.3	8.2
	16	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.5	8.4	13.3	8.2
	18	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.4	8.3	13.2	8.2
	20	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.4	8.3	13.2	8.1
	21	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.4	8.3	13.2	8.1
	23	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.4	8.3	13.2	8.1
	25	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.4	8.4	13.2	8.1
	27	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.4	8.3	13.2	8.1
	29	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.4	8.3	13.2	8.1
	31	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.4	8.5	13.2	8.1
	33	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.4	8.5	13.2	8.1
	35	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.4	8.4	13.2	8.1
	37	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.3	8.5	13.0	8.0
	39	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.5	8.5	12.1	8.4	12.7	7.9
	42	7.7	6.5	9.1	7.5	10.5	8.0	10.9	8.1	11.1	8.3	11.6	8.1	12.0	7.7
44	7.7	6.5	9.1	7.5	10.5	8.0	10.9	8.1	11.1	8.3	11.6	8.1	12.0	7.7	
46	7.7	6.4	9.0	7.2	9.6	7.2	10.0	7.2	10.6	7.7	11.0	7.5	12.0	7.7	
128	10	8.8	7.6	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.3	6.3	15.4	9.8
	12	8.8	7.6	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.3	6.3	15.3	9.8
	14	8.8	7.6	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.3	6.2	15.3	9.7
	16	8.8	7.6	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.2	6.2	15.2	9.7
	18	8.8	7.6	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.2	6.2	15.1	9.7
	20	8.8	7.6	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.2	6.2	15.1	9.7
	21	8.8	7.6	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.2	6.2	15.1	9.7
	23	8.8	7.6	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.2	6.2	15.1	9.7
	25	8.8	7.6	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.2	6.2	15.1	9.7
	27	8.8	7.6	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.2	6.2	15.1	9.7
	29	8.8	7.6	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.2	6.2	15.1	9.7
	31	8.8	7.6	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.2	6.2	15.1	9.7
	33	8.8	7.6	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.2	6.2	15.1	9.7
	35	8.8	7.6	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.8	14.2	6.2	15.1	9.7
	37	8.8	7.6	10.4	8.7	12.0	9.3	12.8	9.7	13.2	9.9	14.0	6.1	14.9	9.6
	39	8.8	7.6	10.4	8.7	12.0	9.3	12.8	9.7	13.1	9.9	13.8	6.1	14.5	9.6
	42	8.8	7.6	10.4	8.7	12.0	9.3	12.4	9.4	12.7	9.6	13.2	5.8	13.7	9.1
44	8.8	7.6	10.4	8.7	12.0	9.3	12.4	9.4	12.7	9.6	13.2	5.8	13.7	9.1	
46	8.8	7.4	10.3	8.4	10.8	8.2	11.2	8.3	12.1	8.9	12.5	5.3	13.7	9.1	
140	10	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.6	11.0	15.7	8.0	16.8	11.2
	12	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.6	7.9	16.7	11.2
	14	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.6	7.9	16.7	11.1
	16	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.6	7.9	16.6	11.1
	18	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.5	7.9	16.6	11.0
	20	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.5	7.9	16.5	11.0
	21	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.5	7.9	16.5	11.0
	23	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.5	7.9	16.5	11.0
	25	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.5	7.9	16.5	11.0
	27	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.5	7.9	16.5	11.0
	29	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.5	7.9	16.5	11.0
	31	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.5	7.9	16.5	11.0
	33	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.5	7.9	16.5	11.0
	35	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	10.9	15.5	7.9	16.5	11.0
	37	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.4	7.8	16.3	11.0
	39	9.7	8.6												

9 MSP duct

9-2. Capacity tables

Cooling

TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

Model	Outdoor Air Temp. (DB)	Indoor temperature													
		20 (°C, DB) 14 (°C, WB)		23 (°C, DB) 16 (°C, WB)		26 (°C, DB) 18 (°C, WB)		27 (°C, DB) 19 (°C, WB)		28 (°C, DB) 20 (°C, WB)		30 (°C, DB) 22 (°C, WB)		32 (°C, DB) 24 (°C, WB)	
		TC(kW)	SHC(kW)	TC(kW)	SHC(kW)	TC(kW)	SHC(kW)	TC(kW)	SHC(kW)	TC(kW)	SHC(kW)	TC(kW)	SHC(kW)	TC(kW)	SHC(kW)
160	10.0	11.10	9.60	13.00	10.90	15.00	11.80	16.00	12.10	16.70	12.20	17.90	12.30	19.20	12.20
	12.0	11.10	9.60	13.00	10.90	15.00	11.80	16.00	12.10	16.60	12.10	17.80	12.20	19.10	12.10
	14.0	11.10	9.60	13.00	10.90	15.00	11.80	16.00	12.10	16.60	12.10	17.80	12.20	19.10	12.10
	16.0	11.10	9.60	13.00	10.90	15.00	11.80	16.00	12.10	16.60	12.10	17.80	12.20	19.00	12.00
	18.0	11.10	9.60	13.00	10.90	15.00	11.80	16.00	12.10	16.60	12.10	17.70	12.10	19.00	12.00
	20.0	11.10	9.60	13.00	10.90	15.00	11.80	16.00	12.10	16.60	12.10	17.70	12.10	18.90	11.90
	21.0	11.10	9.60	13.00	10.90	15.00	11.80	16.00	12.10	16.60	12.10	17.70	12.10	18.90	11.90
	23.0	11.10	9.60	13.00	10.90	15.00	11.80	16.00	12.10	16.60	12.10	17.70	12.10	18.90	11.90
	25.0	11.10	9.60	13.00	10.90	15.00	11.80	16.00	12.10	16.60	12.10	17.70	12.10	18.90	11.90
	27.0	11.10	9.60	13.00	10.90	15.00	11.80	16.00	12.10	16.60	12.10	17.70	12.10	18.90	11.90
	29.0	11.10	9.60	13.00	10.90	15.00	11.80	16.00	12.10	16.60	12.10	17.70	12.10	18.90	11.90
	31.0	11.10	9.60	13.00	10.90	15.00	11.80	16.00	12.10	16.60	12.10	17.70	12.10	18.90	11.90
	33.0	11.10	9.60	13.00	10.90	15.00	11.80	16.00	12.10	16.60	12.10	17.70	12.10	18.90	11.90
	35.0	11.10	9.60	13.00	10.90	15.00	11.80	16.00	12.10	16.60	12.10	17.70	12.10	18.90	11.90
	37.0	11.10	9.60	13.00	10.90	15.00	11.80	16.00	12.10	16.60	12.10	17.60	12.00	18.60	11.80
	39.0	11.10	9.60	13.00	10.90	15.00	11.80	16.00	12.10	16.50	12.00	17.30	11.80	18.20	11.50
	42.0	11.10	9.60	13.00	10.90	14.90	11.70	15.80	11.90	16.30	11.80	17.00	11.60	17.70	11.20
44.0	11.10	9.60	13.00	10.90	14.50	11.40	15.30	11.60	15.80	11.50	16.30	11.10	17.10	10.90	
46.0	11.10	9.60	12.90	10.70	14.20	11.20	14.80	11.20	15.30	11.20	15.80	10.70	16.60	10.60	
48.0	10.90	9.50	12.70	10.60	14.00	11.00	14.40	10.90	15.00	10.90	15.30	10.40	16.10	10.20	

9 MSP duct

9-2. Capacity tables

Heating

TC : Total Capacity(kW)

Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC	TC	TC	TC	TC
022	-20	-21	1.5	1.5	1.5	1.5	1.5
	-17	-18	1.6	1.6	1.6	1.6	1.6
	-15	-16	1.7	1.6	1.6	1.6	1.6
	-12	-13	1.8	1.8	1.8	1.8	1.7
	-10	-11	2.0	2.0	1.9	1.9	1.9
	-7	-8	2.3	2.2	2.2	2.0	2.0
	-5	-6	2.4	2.3	2.3	2.2	2.2
	-3	-4	2.5	2.5	2.4	2.3	2.2
	0	-1	2.6	2.5	2.5	2.3	2.2
	3	2.2	2.7	2.6	2.5	2.3	2.2
	5	4.1	2.8	2.7	2.5	2.3	2.2
	7	6	2.8	2.7	2.5	2.3	2.2
	9	7.9	3.0	2.7	2.5	2.3	2.2
	11	9.8	3.0	2.7	2.5	2.3	2.2
	13	12	3.0	2.7	2.5	2.3	2.2
15	14	3.0	2.7	2.5	2.3	2.2	
028	-20	-21	1.9	1.9	1.9	1.9	1.9
	-17	-18	2.0	2.0	2.0	2.0	1.9
	-15	-16	2.1	2.1	2.0	2.0	1.9
	-12	-13	2.2	2.2	2.2	2.1	2.1
	-10	-11	2.3	2.3	2.3	2.3	2.2
	-7	-8	2.5	2.4	2.4	2.4	2.3
	-5	-6	2.6	2.6	2.5	2.5	2.4
	-3	-4	2.8	2.7	2.7	2.6	2.5
	0	-1	2.9	2.8	2.8	2.7	2.6
	3	2.2	3.0	3.0	2.9	2.8	2.7
	5	4.1	3.2	3.1	3.1	2.9	2.7
	7	6	3.3	3.2	3.2	3.0	2.7
	9	7.9	3.4	3.3	3.2	3.0	2.7
	11	9.8	3.5	3.3	3.2	3.0	2.7
	13	12	3.6	3.4	3.2	3.0	2.7
15	14	3.7	3.4	3.2	3.0	2.7	
036	-20	-21	2.4	2.4	2.3	2.3	2.3
	-17	-18	2.6	2.5	2.4	2.4	2.3
	-15	-16	2.7	2.6	2.5	2.5	2.4
	-12	-13	2.8	2.7	2.7	2.6	2.6
	-10	-11	2.9	2.9	2.9	2.8	2.8
	-7	-8	3.1	3.1	3.0	3.0	2.9
	-5	-6	3.3	3.2	3.2	3.1	3.0
	-3	-4	3.4	3.4	3.3	3.2	3.1
	0	-1	3.6	3.6	3.5	3.4	3.2
	3	2.2	3.8	3.7	3.7	3.5	3.4
	5	4.1	3.9	3.9	3.8	3.6	3.4
	7	6	4.1	4.1	4.0	3.7	3.4
	9	7.9	4.2	4.1	4.0	3.7	3.4
	11	9.8	4.4	4.2	4.0	3.7	3.4
	13	12	4.5	4.2	4.0	3.7	3.4
15	14	4.6	4.3	4.0	3.7	3.4	
045	-20	-21	3.1	3.1	2.9	2.9	2.9
	-17	-18	3.2	3.2	3.1	3.0	3.0
	-15	-16	3.3	3.3	3.2	3.1	3.0
	-12	-13	3.5	3.4	3.4	3.3	3.2
	-10	-11	3.7	3.6	3.6	3.5	3.5
	-7	-8	3.9	3.8	3.8	3.7	3.6
	-5	-6	4.1	4.0	4.0	3.9	3.7
	-3	-4	4.3	4.2	4.2	4.0	3.9
	0	-1	4.5	4.4	4.4	4.2	4.0
	3	2.2	4.7	4.7	4.6	4.4	4.2
	5	4.1	4.9	4.9	4.8	4.5	4.2
	7	6	5.1	5.1	5.0	4.6	4.2
	9	7.9	5.3	5.2	5.0	4.6	4.2
	11	9.8	5.5	5.2	5.0	4.6	4.2
	13	12	5.6	5.3	5.0	4.6	4.2
15	14	5.8	5.4	5.0	4.6	4.2	
056	-20	-21	3.9	3.8	.8	3.7	3.7
	-17	-18	4.0	4.0	3.9	3.8	3.8
	-15	-16	4.2	4.1	4.0	3.9	3.8
	-12	-13	4.4	4.3	4.2	4.2	4.1
	-10	-11	4.6	4.6	4.5	4.4	4.4
	-7	-8	4.9	4.8	4.8	4.7	4.5
	-5	-6	5.2	5.1	5.0	4.9	4.7
	-3	-4	5.4	5.3	5.3	5.1	4.9
	0	-1	5.7	5.6	5.5	5.3	5.0
	3	2.2	5.9	5.9	5.8	5.6	5.3
	5	4.1	6.2	6.1	6.0	5.7	5.3
	7	6	6.5	6.4	6.3	5.8	5.3
	9	7.9	6.7	6.5	6.3	5.8	5.3
	11	9.8	6.9	6.6	6.3	5.8	5.3
	13	12	7.1	6.7	6.3	5.8	5.3
15	14	7.3	6.8	6.3	5.8	5.3	

9 MSP duct

9-2. Capacity tables

Heating

TC : Total Capacity(kW)

Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC	TC	TC	TC	TC
071	-20	-21	4.9	4.9	4.8	4.7	4.7
	-17	-18	5.1	5.0	4.9	4.8	4.8
	-15	-16	5.3	5.2	5.1	4.9	4.8
	-12	-13	5.6	5.5	5.4	5.3	5.2
	-10	-11	5.9	5.8	5.7	5.6	5.6
	-7	-8	6.2	6.1	6.0	5.9	5.8
	-5	-6	6.5	6.5	6.4	6.2	6.0
	-3	-4	6.9	6.8	6.7	6.4	6.2
	0	-1	7.2	7.1	7.0	6.7	6.4
	3	2.2	7.6	7.5	7.3	7.1	6.8
	5	4.1	7.9	7.8	7.7	7.2	6.8
	7	6	8.2	8.1	8.0	7.4	6.8
	9	7.9	8.5	8.2	8.0	7.4	6.8
	11	9.8	8.7	8.4	8.0	7.4	6.8
	13	12	9.0	8.5	8.0	7.4	6.8
15	14	9.2	8.6	8.0	7.4	6.8	
090	-20	-21	6.0	6.0	5.9	5.8	5.8
	-17	-18	6.3	6.3	6.1	6.0	5.9
	-15	-16	6.7	6.5	6.3	6.1	6.0
	-12	-13	7.0	6.9	6.7	6.6	6.5
	-10	-11	7.3	7.2	7.1	7.0	7.0
	-7	-8	7.8	7.7	7.6	7.4	7.2
	-5	-6	8.2	8.1	8.0	7.7	7.5
	-3	-4	8.6	8.5	8.4	8.1	7.7
	0	-1	9.0	8.9	8.8	8.4	8.0
	3	2.2	9.4	9.3	9.2	8.8	8.4
	5	4.1	9.9	9.7	9.6	9.0	8.4
	7	6	10.3	10.1	10.0	9.2	8.4
	9	7.9	10.6	10.3	10.0	9.2	8.4
	11	9.8	10.9	10.5	10.0	9.2	8.4
	13	12	11.2	10.6	10.0	9.2	8.4
15	14	11.6	10.8	10.0	9.2	8.4	
112	-20	-21	7.4	7.4	7.3	7.3	7.3
	-17	-18	8.0	7.8	7.6	7.5	7.4
	-15	-16	8.4	8.1	7.9	7.7	7.5
	-12	-13	8.8	8.6	8.4	8.2	8.1
	-10	-11	9.2	9.0	8.9	8.8	8.7
	-7	-8	9.7	9.6	9.4	9.2	9.0
	-5	-6	10.2	10.1	9.9	9.6	9.3
	-3	-4	10.7	10.6	10.5	10.1	9.7
	0	-1	11.3	11.1	11.1	10.5	10.0
	3	2.2	11.8	11.6	11.5	11.0	10.6
	5	4.1	12.3	12.2	12.0	11.3	10.6
	7	6	12.9	12.7	12.5	11.5	10.6
	9	7.9	13.3	12.9	12.5	11.5	10.6
	11	9.8	13.7	13.1	12.5	11.5	10.6
	13	12	14.0	13.3	12.5	11.5	10.6
15	14	14.4	13.5	12.5	11.5	10.6	
128	-20	-21	8.1	8.1	8.0	8.0	8.0
	-17	-18	8.7	8.5	8.4	8.3	8.1
	-15	-16	9.2	9.0	8.7	8.5	8.2
	-12	-13	9.7	9.5	9.3	9.1	8.9
	-10	-11	10.1	10.0	9.9	9.7	9.6
	-7	-8	10.7	10.6	10.4	10.2	10.0
	-5	-6	11.3	11.1	11.0	10.7	10.3
	-3	-4	11.9	11.7	11.5	11.1	10.7
	0	-1	12.4	12.3	12.1	11.6	11.0
	3	2.2	13.0	12.9	12.7	12.2	11.7
	5	4.1	13.6	13.4	13.2	12.4	11.7
	7	6	14.2	14.0	13.8	12.7	11.7
	9	7.9	14.6	14.2	13.8	12.7	11.7
	11	9.8	15.1	14.4	13.8	12.7	11.7
	13	12	15.5	14.7	13.8	12.7	11.7
15	14	15.9	14.9	13.8	12.7	11.7	
140	-20	-21	9.5	9.5	9.4	9.4	9.3
	-17	-18	10.1	9.9	9.6	9.6	9.4
	-15	-16	10.7	10.4	10.1	9.8	9.5
	-12	-13	11.2	11.0	10.8	10.6	10.3
	-10	-11	11.7	11.6	11.4	11.3	11.1
	-7	-8	12.4	12.2	12.1	11.8	11.5
	-5	-6	13.1	12.9	12.7	12.3	12.0
	-3	-4	13.8	13.6	13.4	12.9	12.4
	0	-1	14.4	14.2	14.0	13.4	12.8
	3	2.2	15.1	14.9	14.7	14.1	13.5
	5	4.1	15.8	15.6	15.3	14.4	13.5
	7	6	16.5	16.2	16.0	14.8	13.5
	9	7.9	17.0	16.5	16.0	14.8	13.5
	11	9.8	17.5	16.7	16.0	14.8	13.5
	13	12	18.0	17.0	16.0	14.8	13.5
15	14	18.5	17.2	16.0	14.8	13.5	

9 MSP duct

9-2. Capacity tables

Heating

TC : Total Capacity(kW)

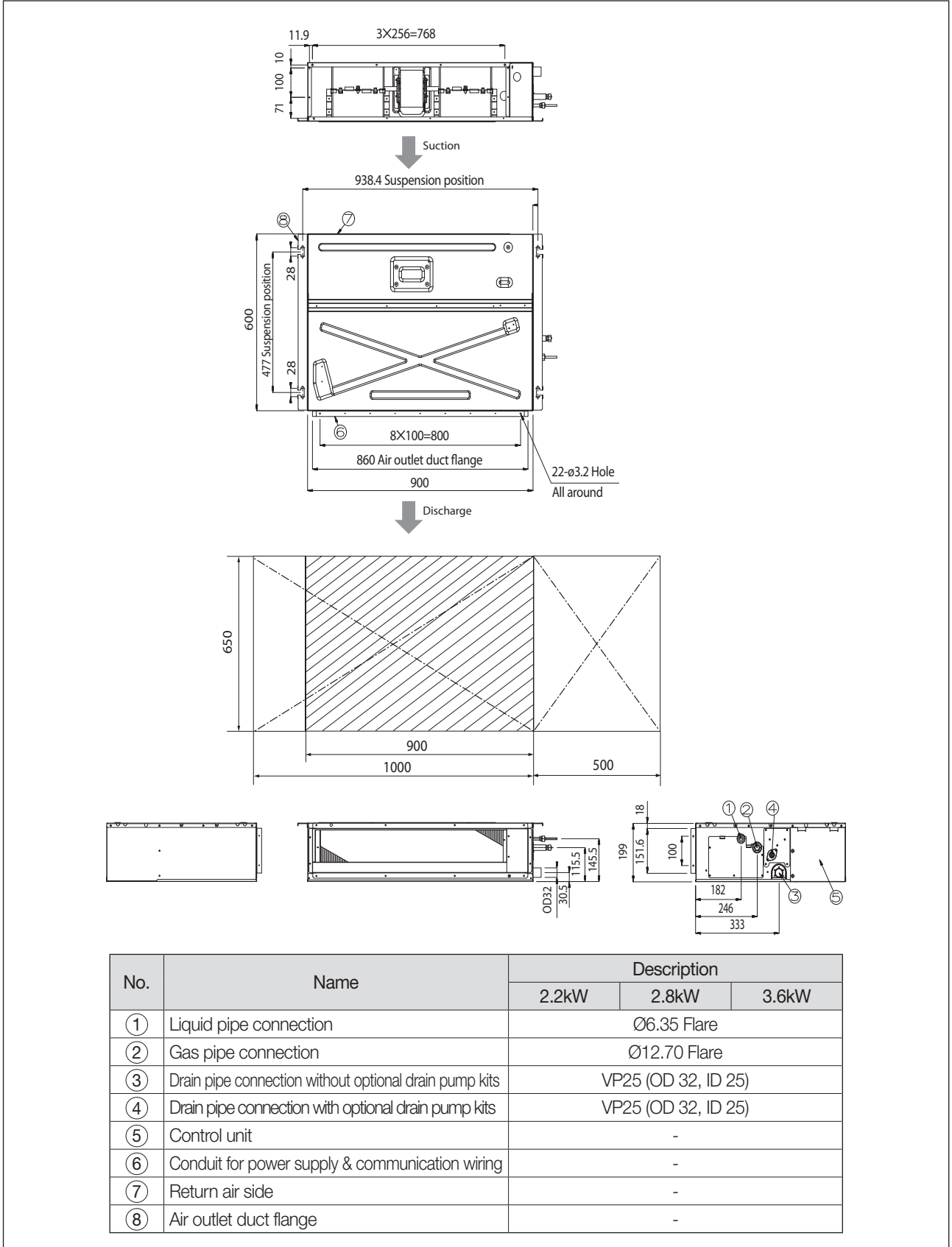
Model	Outdoor Air Temp. (°C)		Indoor temperature				
			16 (°C, DB)	18 (°C, DB)	20 (°C, DB)	22 (°C, DB)	24 (°C, DB)
	DB	WB	TC(kW)	TC(kW)	TC(kW)	TC(kW)	TC(kW)
160	-24.8	-25.0	14.00	13.50	12.70	11.60	10.50
	-21.8	-22.0	14.40	13.80	13.00	12.20	11.50
	-19.8	-20.0	14.60	14.10	13.30	12.60	12.20
	-18.8	-19.0	14.80	14.20	13.40	12.90	12.50
	-16.7	-17.0	15.10	14.50	13.70	13.30	13.20
	-14.7	-15.0	15.70	15.00	14.20	13.80	13.60
	-12.6	-13.0	16.40	15.70	14.90	14.40	14.20
	-10.5	-11.0	17.50	16.80	15.90	15.20	15.00
	-9.5	-10.0	17.90	17.10	16.20	15.50	15.30
	-8.5	-9.1	18.00	17.30	16.30	15.70	15.50
	-7.0	-7.6	18.30	17.60	16.60	16.10	15.80
	-5.0	-5.6	18.90	18.10	17.10	16.70	16.30
	-3.0	-3.7	19.30	18.60	17.50	17.40	16.60
	0.0	-0.7	19.70	19.10	17.90	17.50	17.10
	3.0	2.2	20.20	19.40	18.00	17.60	17.00
	5.0	4.1	20.40	19.40	18.00	17.60	17.00
	7.0	6.0	20.70	19.40	18.00	17.60	17.00
	9.0	7.9	20.70	19.40	18.00	17.60	17.00
	11.0	9.8	20.70	19.40	18.00	17.60	17.00
	13.0	11.8	20.70	19.40	18.00	17.60	17.00
15.0	13.7	20.70	19.40	18.00	17.60	17.00	

9 MSP duct

9-3. Dimensional drawing

1) AM022/028/036FNMDEH***

Unit:mm



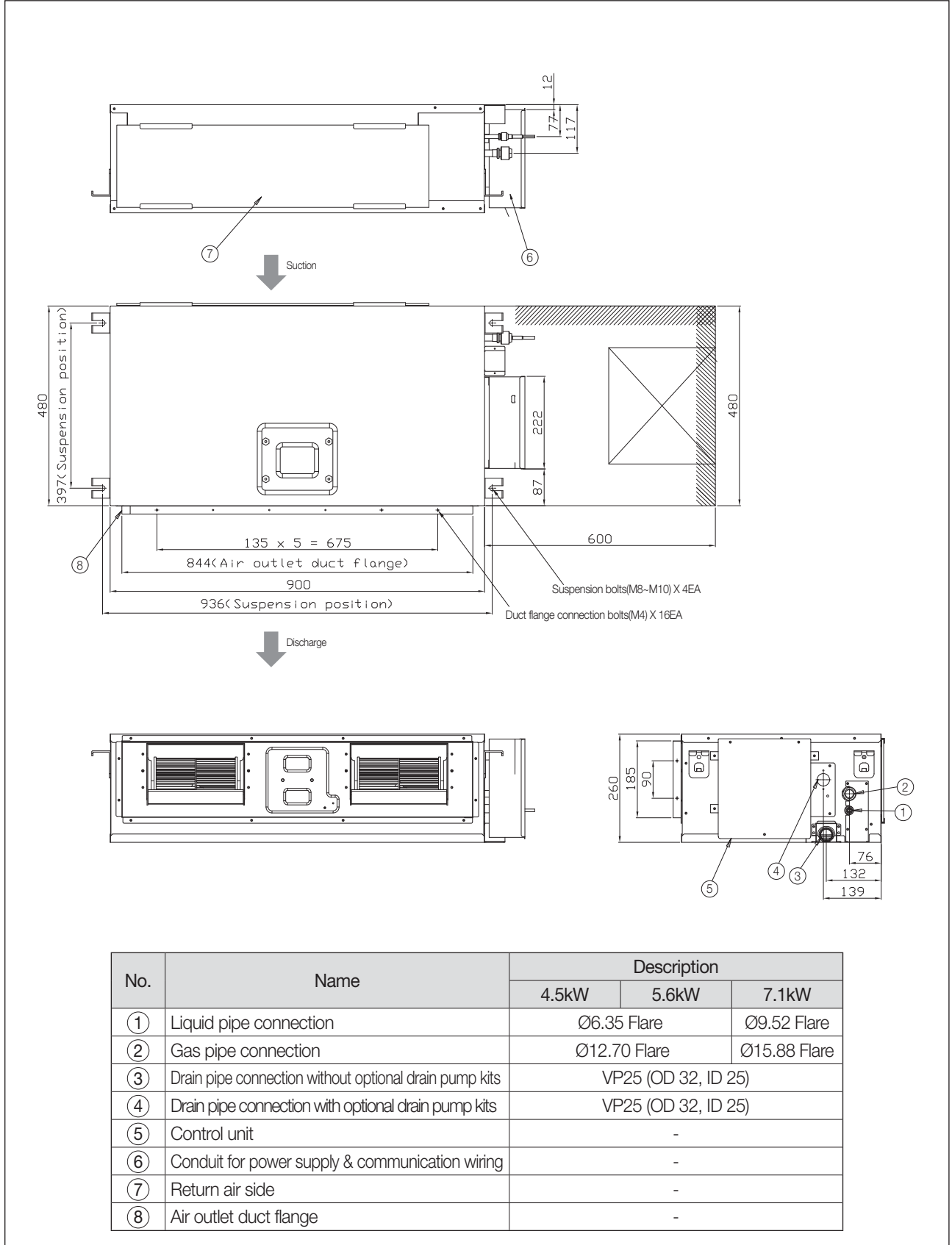
No.	Name	Description		
		2.2kW	2.8kW	3.6kW
①	Liquid pipe connection	Ø6.35 Flare		
②	Gas pipe connection	Ø12.70 Flare		
③	Drain pipe connection without optional drain pump kits	VP25 (OD 32, ID 25)		
④	Drain pipe connection with optional drain pump kits	VP25 (OD 32, ID 25)		
⑤	Control unit	-		
⑥	Conduit for power supply & communication wiring	-		
⑦	Return air side	-		
⑧	Air outlet duct flange	-		

9 MSP duct

9-3. Dimensional drawing

2) AM045/056/071FNMDEH***

Unit:mm



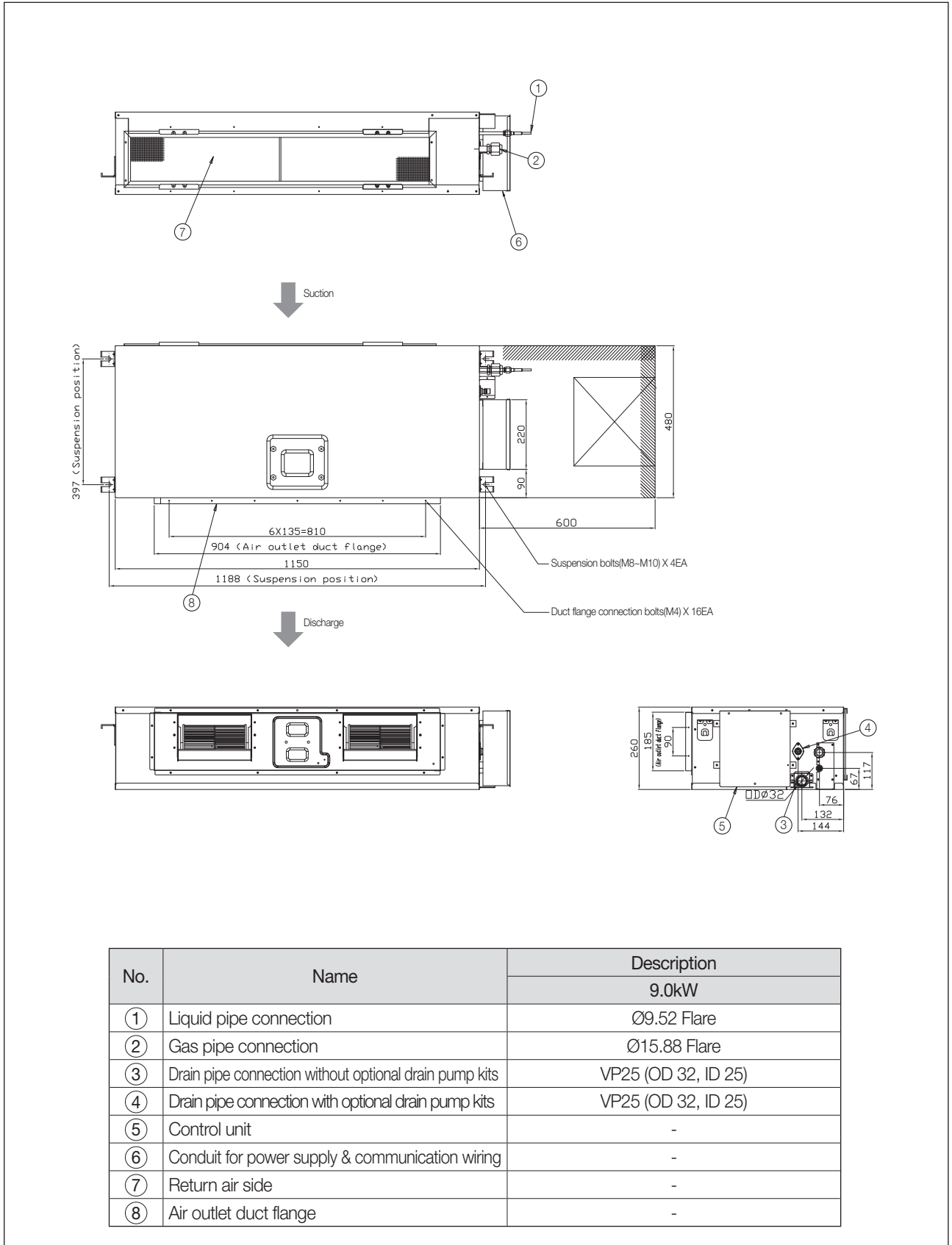
No.	Name	Description		
		4.5kW	5.6kW	7.1kW
①	Liquid pipe connection	Ø6.35 Flare	Ø9.52 Flare	
②	Gas pipe connection	Ø12.70 Flare	Ø15.88 Flare	
③	Drain pipe connection without optional drain pump kits	VP25 (OD 32, ID 25)		
④	Drain pipe connection with optional drain pump kits	VP25 (OD 32, ID 25)		
⑤	Control unit	-		
⑥	Conduit for power supply & communication wiring	-		
⑦	Return air side	-		
⑧	Air outlet duct flange	-		

9 MSP duct

9-3. Dimensional drawing

3) AM090FNMDEH***

Unit:mm

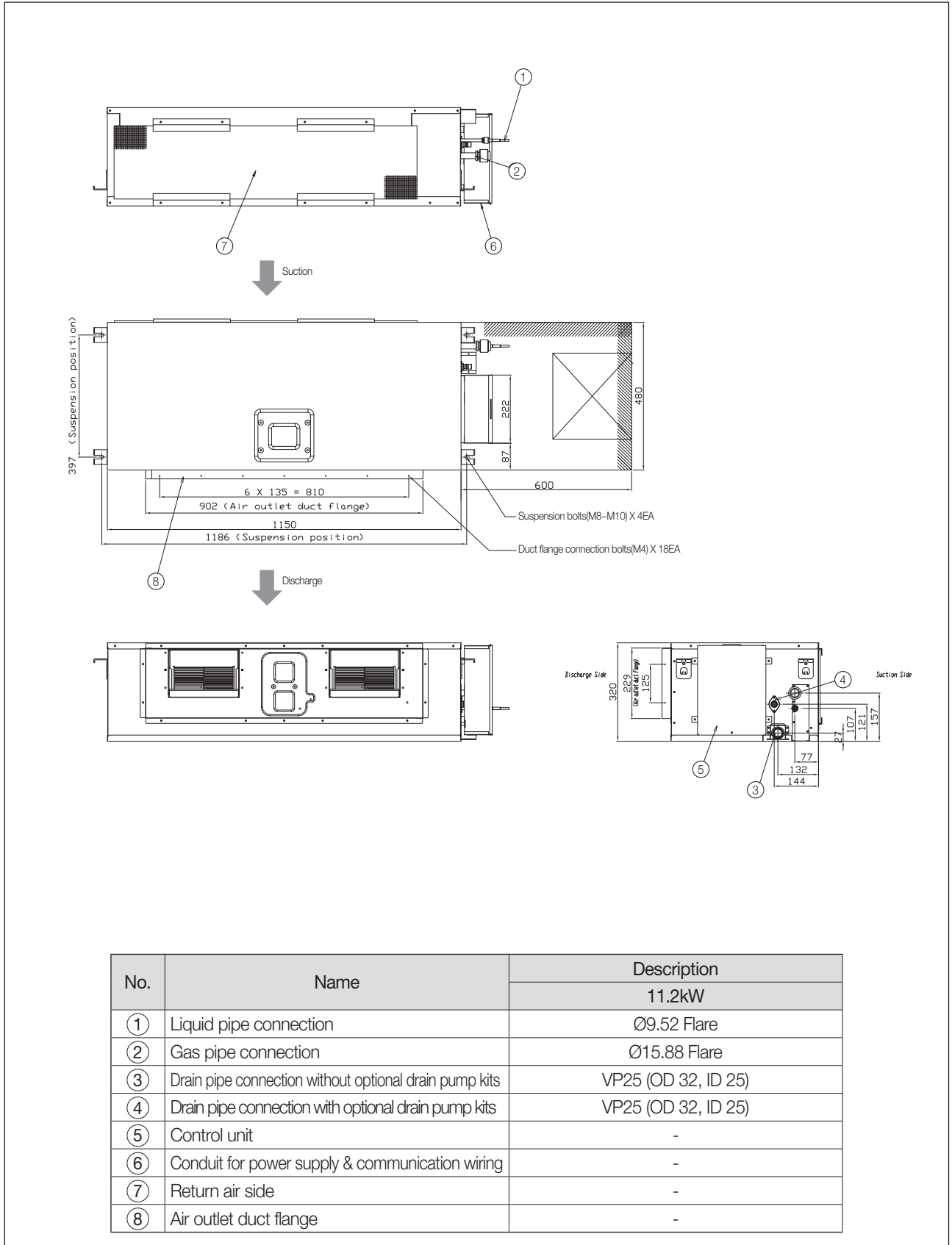


9 MSP duct

9-3. Dimensional drawing

4) AM112FNMDEH***

Unit:mm

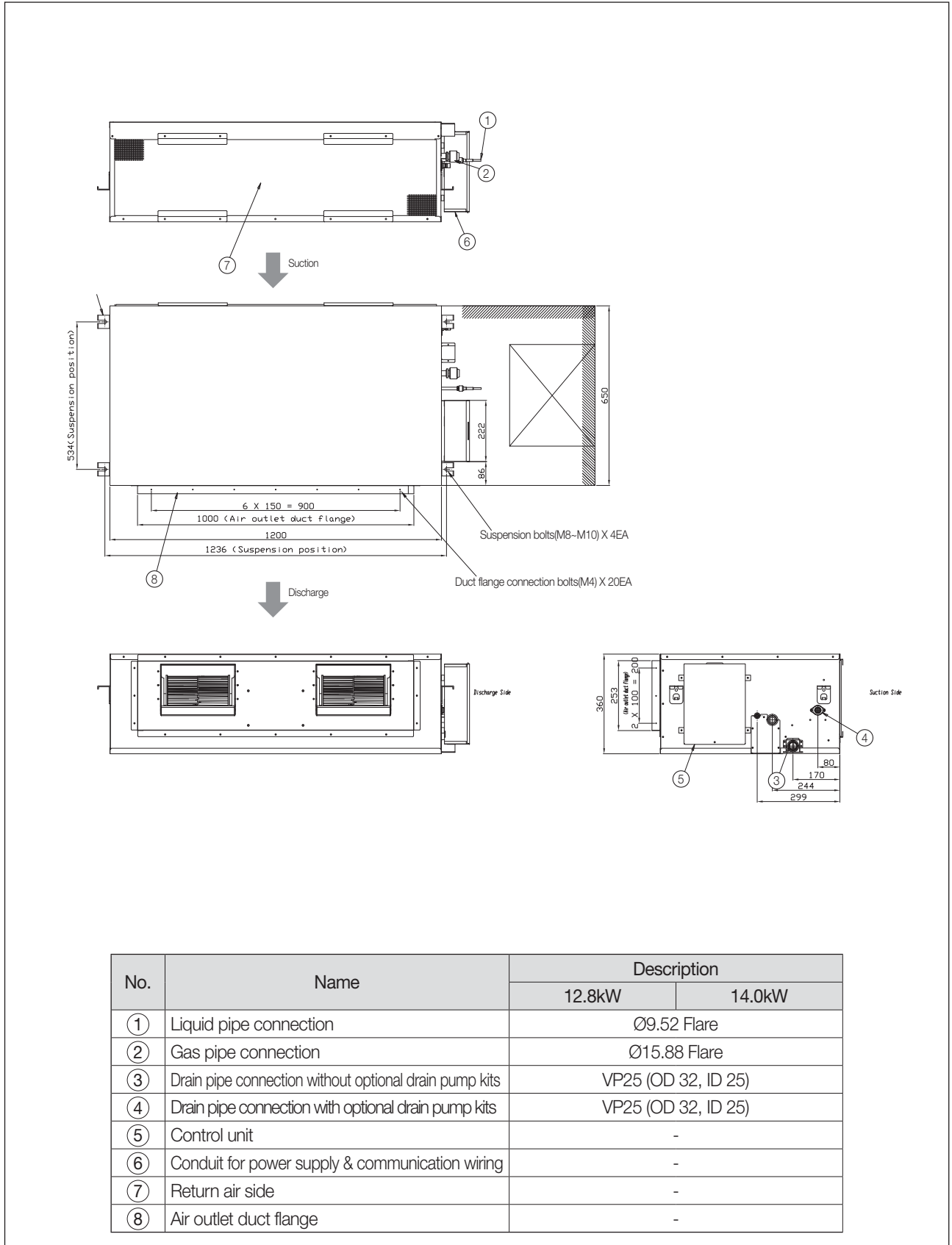


9 MSP duct

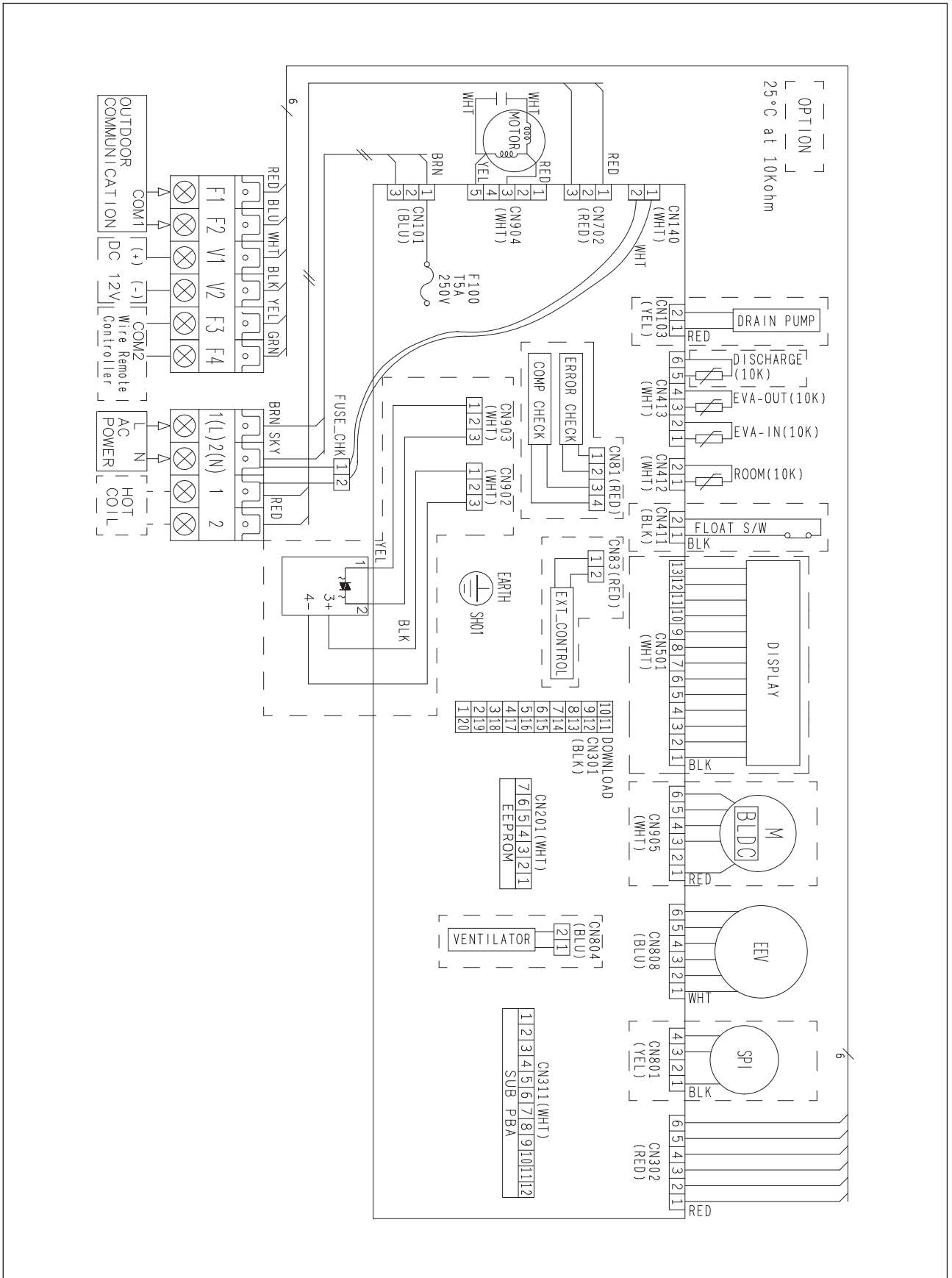
9-3. Dimensional drawing

5) AM128/140/160*NMDEH***

Unit:mm

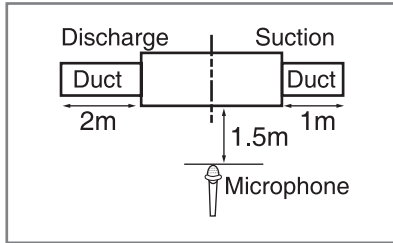


9-4. Electrical wiring diagram



9-5. Sound pressure level

1) Operation sound level



Unit : dB(A)

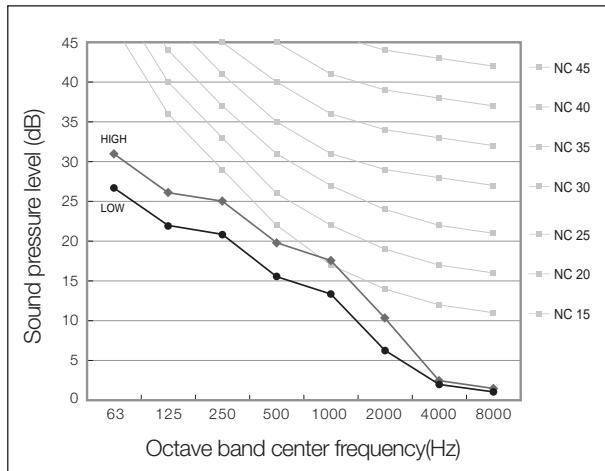
Model	High	Low
AM022FNMDEH***	23	19
AM028FNMDEH***	24	19
AM036FNMDEH***	29	24
AM045FNMDEH***	32	28

Note

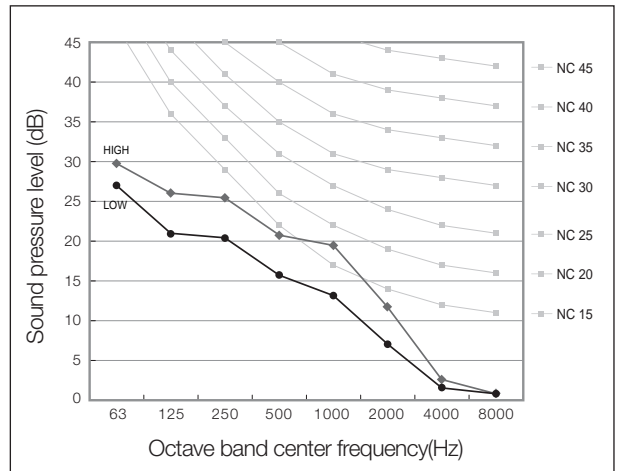
- ◆ These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ depending on operation and ambient conditions.

2) NC curves

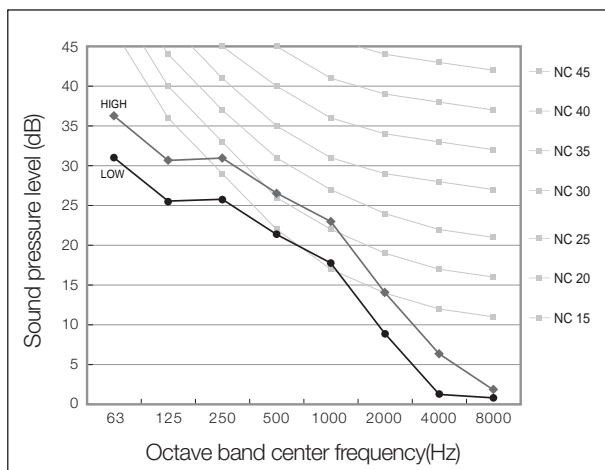
(1) AM022FNMDEH***



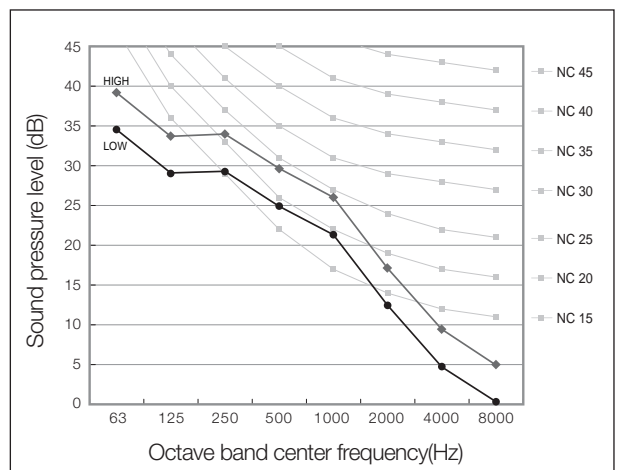
(2) AM028FNMDEH***



(3) AM036FNMDEH***

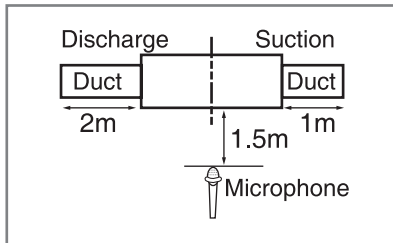


(4) AM045FNMDEH***



9-5. Sound pressure level

1) Operation sound level



Unit : dB(A)

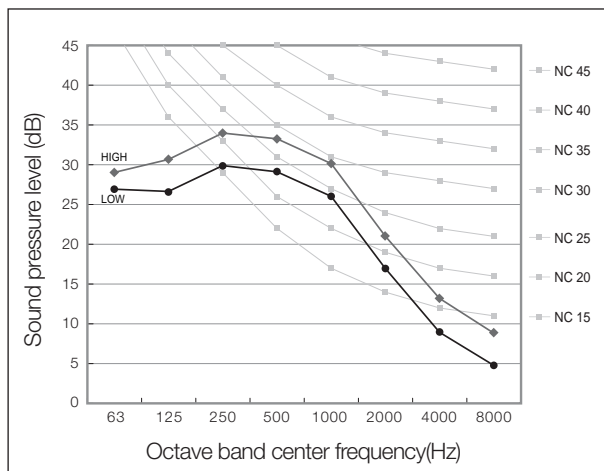
Model	High	Low
AM056FNMDEH***	35	31
AM071FNMDEH***	39	31
AM090FNMDEH***	40	34
AM112FNMDEH***	41	38

Note

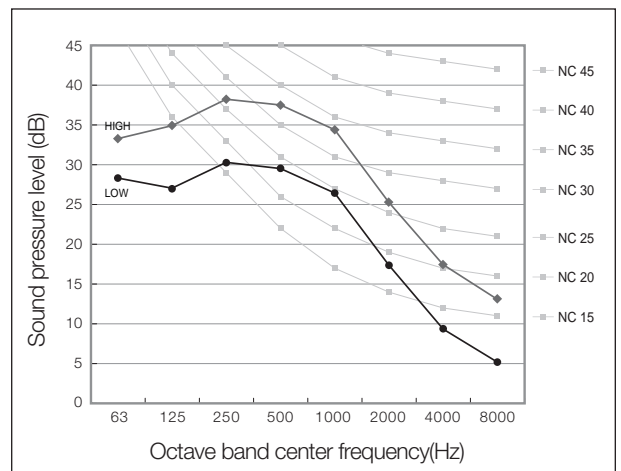
- ◆ These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ depending on operation and ambient conditions.

2) NC curves

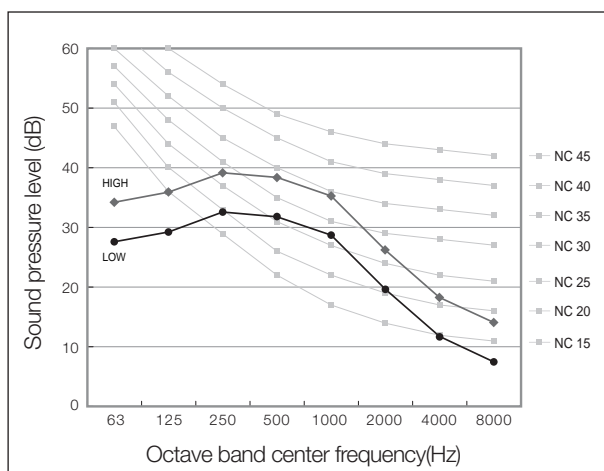
(5) AM056FNMDEH***



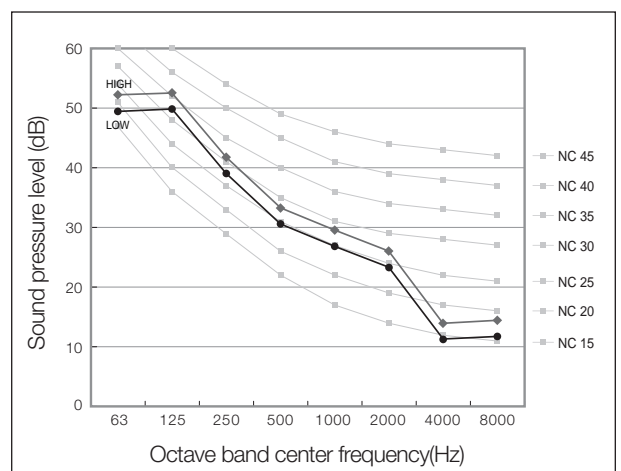
(6) AM071FNMDEH***



(7) AM090FNMDEH***



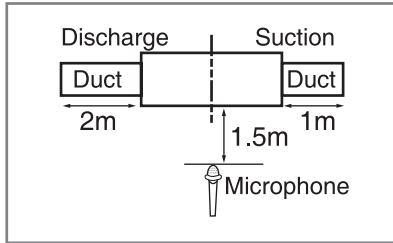
(8) AM112FNMDEH***



9 MSP duct

9-5. Sound pressure level

1) Operation sound level



Unit : dB(A)

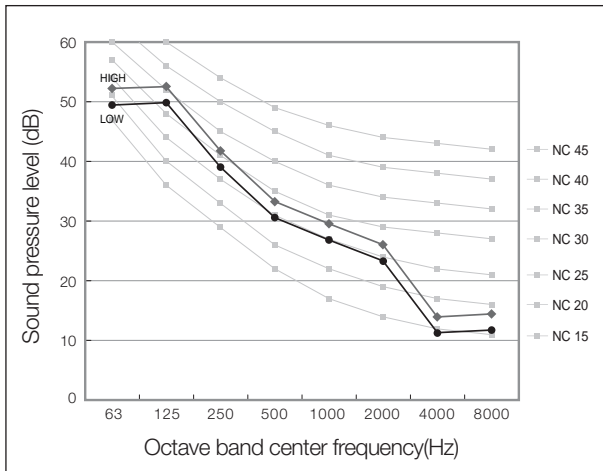
Model	High	Low
AM128FNMDEH***	41	38
AM140FNMDEH***	42	36
AM160KNMDEH***	43	36

☑ Note

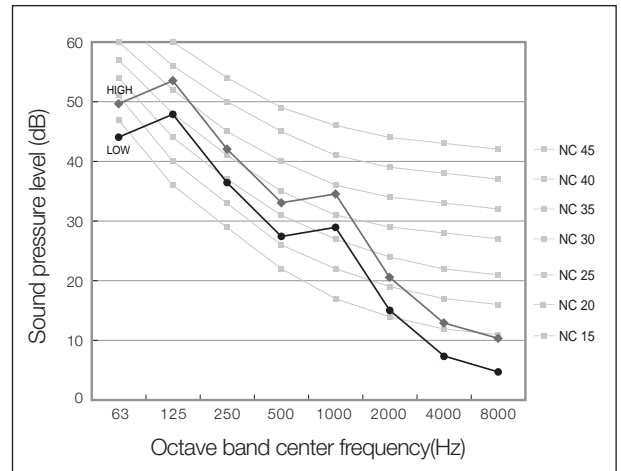
- ◆ These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ depending on operation and ambient conditions.

2) NC curves

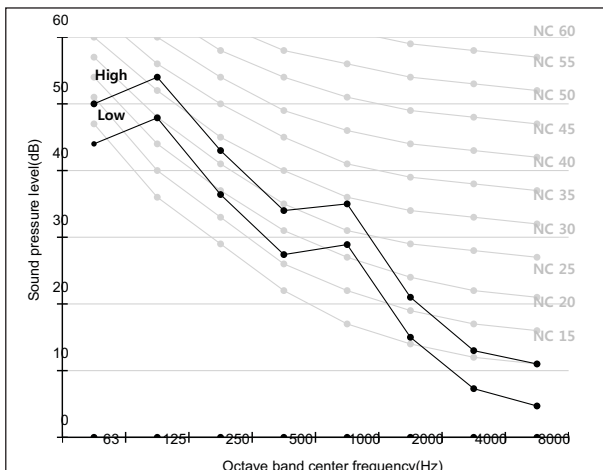
(9) AM128FNMDEH***



(10) AM140FNMDEH***



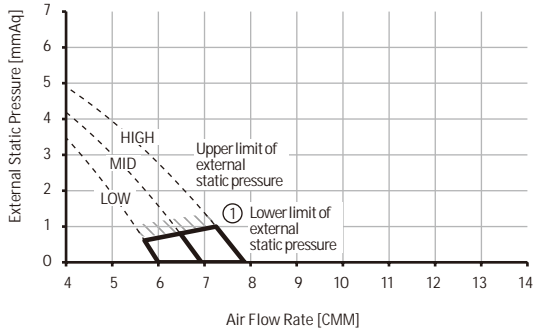
(11) AM160KNMDEH***



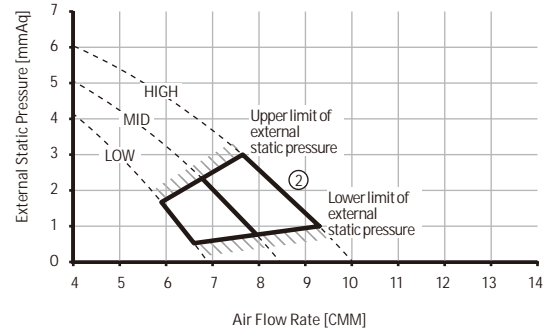
9-6. Recommended operation range

1) AM022FNMDEH/TK

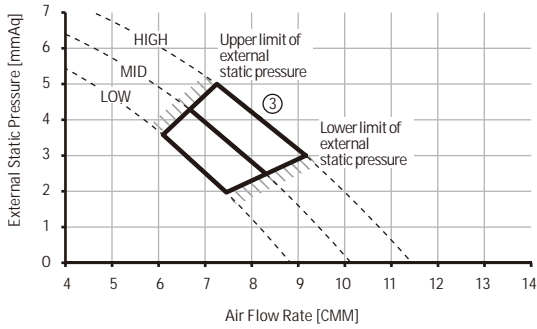
①	External Static Pressure(mmAq)	Option Code
	0	010054-1350B6-201616-331110



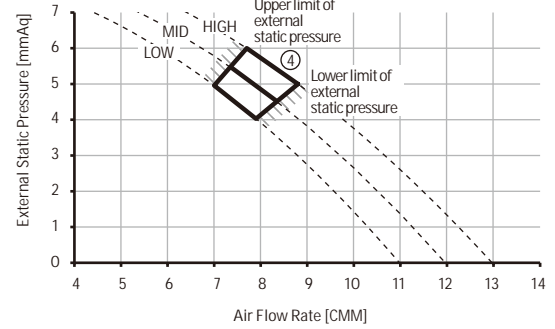
②	External Static Pressure(mmAq)	Option Code
	2	010054-1350EA-201616-331110



③	External Static Pressure(mmAq)	Option Code
	4	010054-13541E-201616-331110



④	External Static Pressure(mmAq)	Option Code
	6	010054-1355E4-201616-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

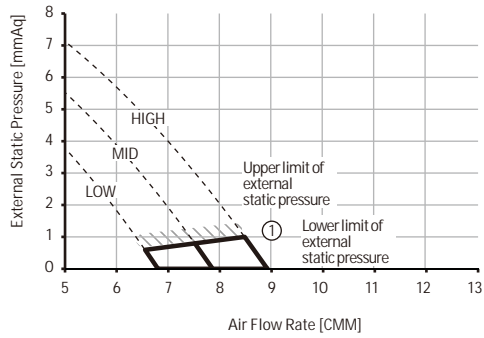
ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

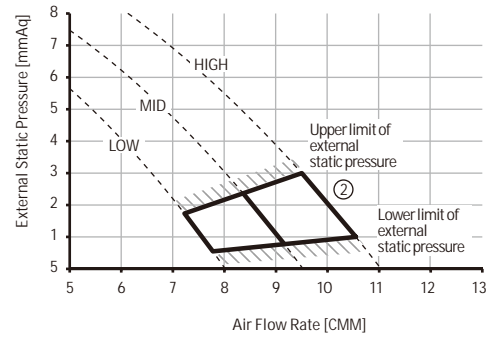
9-6. Recommended operation range

2)AM028FNMDEH/TK

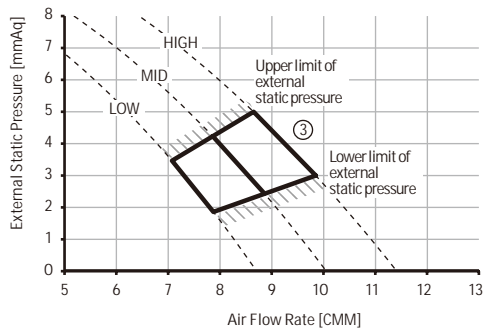
①	External Static Pressure(mmAq)	Option Code
	0	010054-1350E8-201C1C-331110



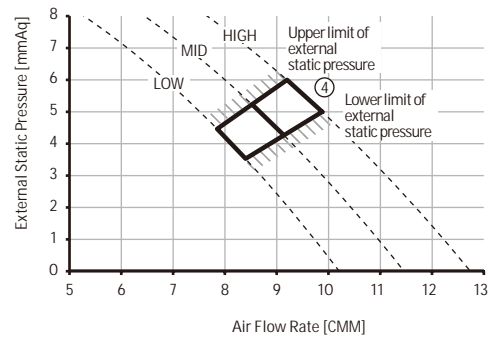
②	External Static Pressure(mmAq)	Option Code
	2	010054-13542C-201C1C-331110



③	External Static Pressure(mmAq)	Option Code
	4	010054-135562-201C1C-331110



④	External Static Pressure(mmAq)	Option Code
	6	010054-1359A9-201C1C-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

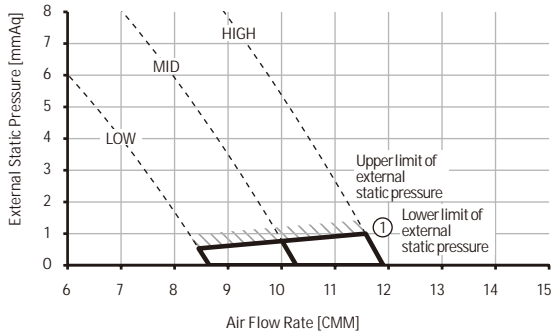
ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

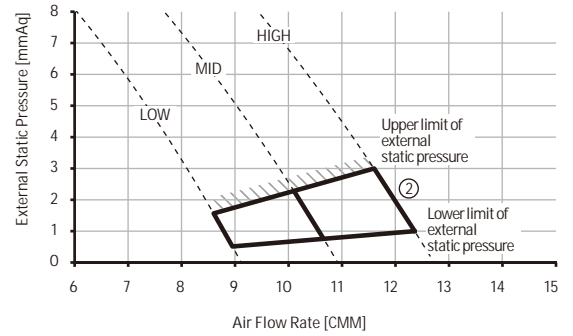
9-6. Recommended operation range

3) AM036FNMDEH/TK

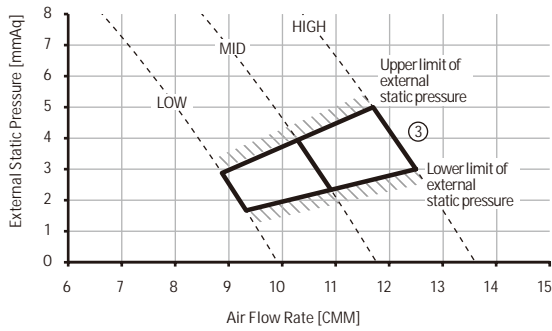
①	External Static Pressure(mmAq)	Option Code
	0	010054-1350EA-202424-331110



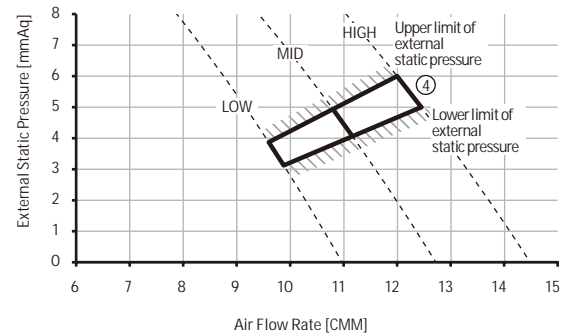
②	External Static Pressure(mmAq)	Option Code
	2	010054-1350F8-202424-331110



③	External Static Pressure(mmAq)	Option Code
	4	010054-13542C-202424-331110



④	External Static Pressure(mmAq)	Option Code
	6	010054-1354CF-202424-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

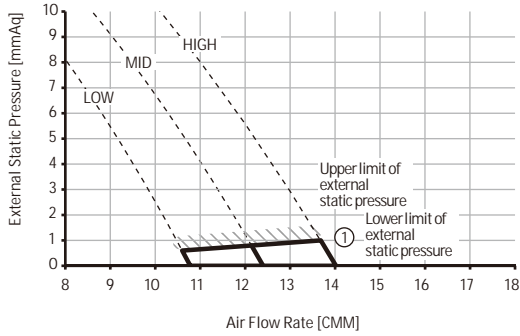
ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

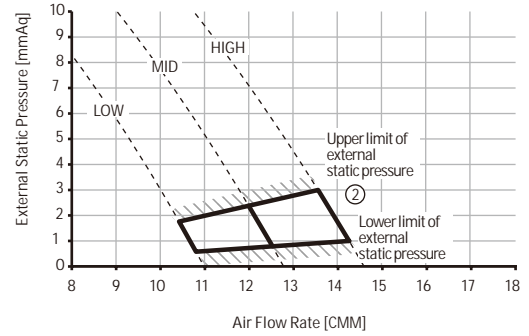
9-6. Recommended operation range

4) AM045FNMDEH/TK

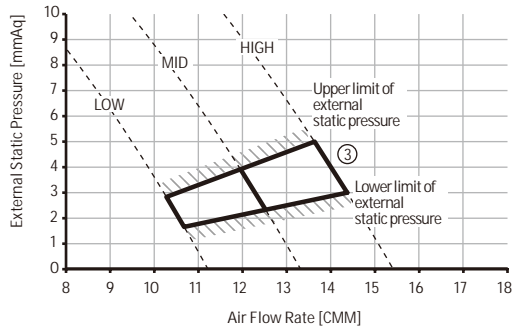
①	External Static Pressure(mmAq)	Option Code
	0	010054-125550-202D2D-331110



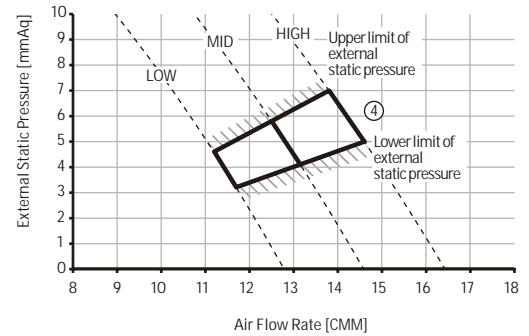
②	External Static Pressure(mmAq)	Option Code
	2	010054-125571-202D2D-331110



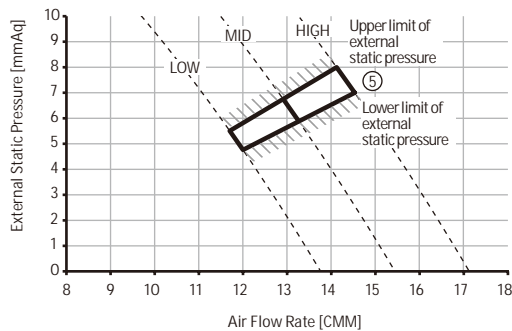
③	External Static Pressure(mmAq)	Option Code
	4	010054-125583-202D2D-331110



④	External Static Pressure(mmAq)	Option Code
	6	010054-1255A4-202D2D-331110



⑤	External Static Pressure(mmAq)	Option Code
	8	010054-125906-202D2D-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

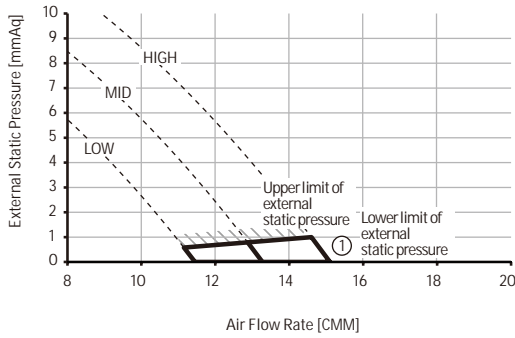
ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

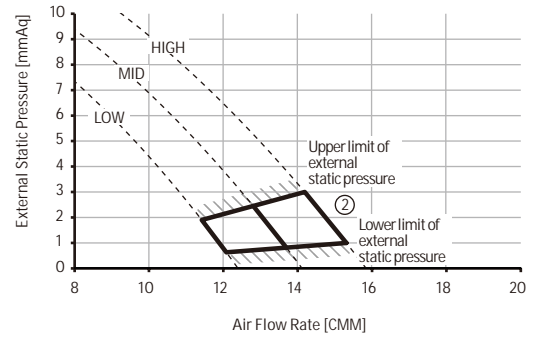
9-6. Recommended operation range

5) AM056KNLDEH/TK

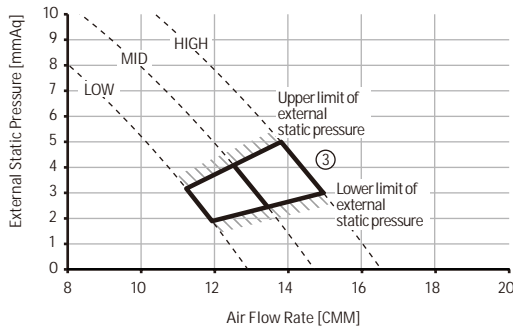
①	External Static Pressure(mmAq)	Option Code
	0	010054-125571-203838-331110



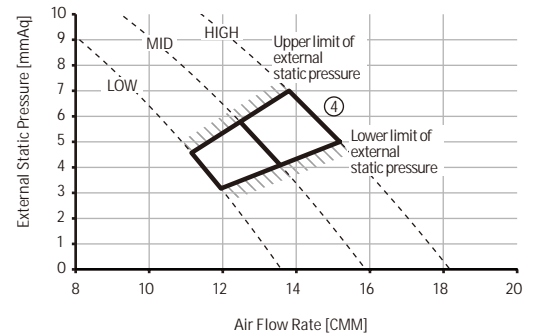
②	External Static Pressure(mmAq)	Option Code
	2	010054-125593-203838-331110



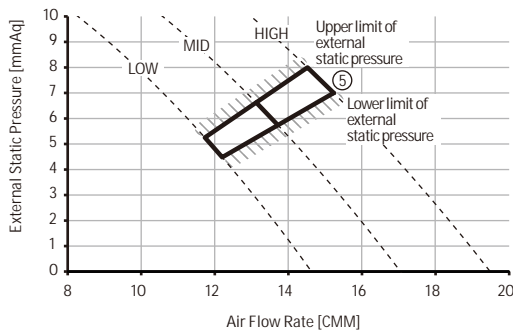
③	External Static Pressure(mmAq)	Option Code
	4	010054-1255C5-203838-331110



④	External Static Pressure(mmAq)	Option Code
	6	010054-1255F5-203838-331110



⑤	External Static Pressure(mmAq)	Option Code
	8	010054-125957-203838-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

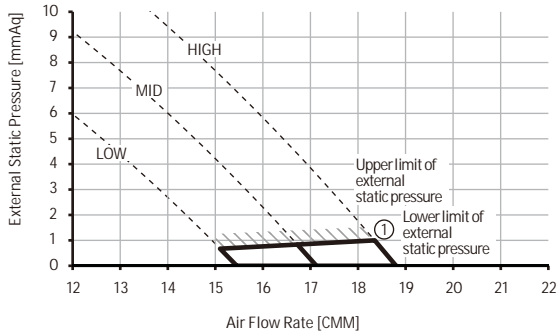
ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

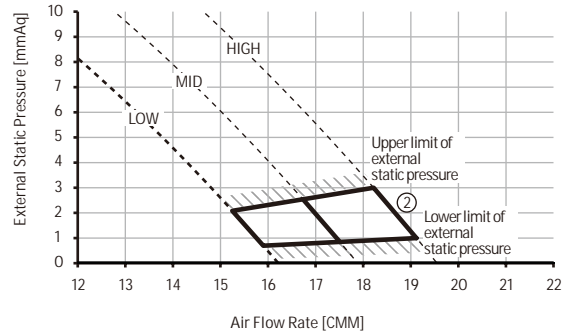
9-6. Recommended operation range

6) AM071FNMDEH/TK

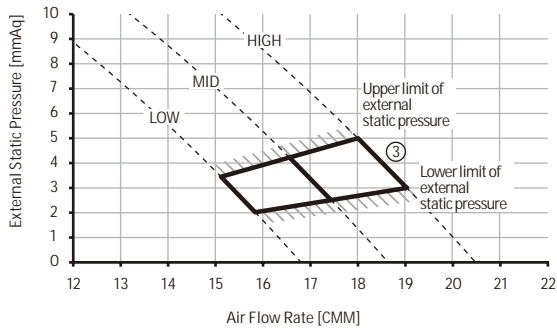
①	External Static Pressure(mmAq)	Option Code
	0	010054-125904-204747-331110



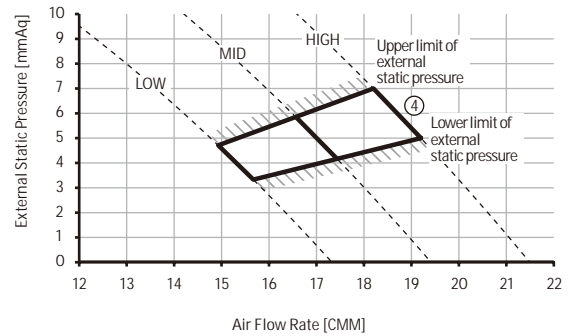
②	External Static Pressure(mmAq)	Option Code
	2	010054-125936-204747-331110



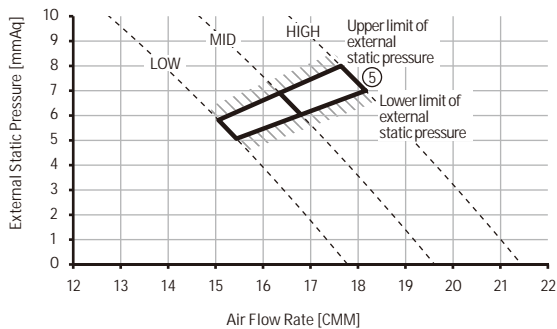
③	External Static Pressure(mmAq)	Option Code
	4	010054-125979-204747-331110



④	External Static Pressure(mmAq)	Option Code
	6	010054-125DF9-204747-331110



⑤	External Static Pressure(mmAq)	Option Code
	8	010054-125DFC-204747-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

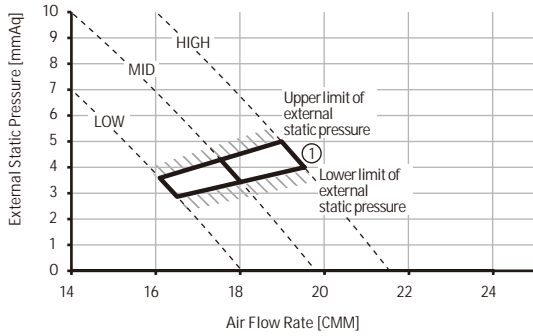
ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

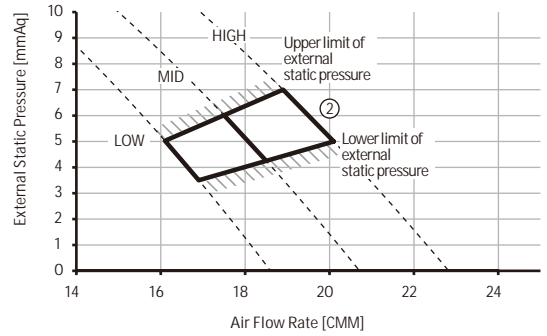
9-6. Recommended operation range

7) AM090FNMDEH/TK

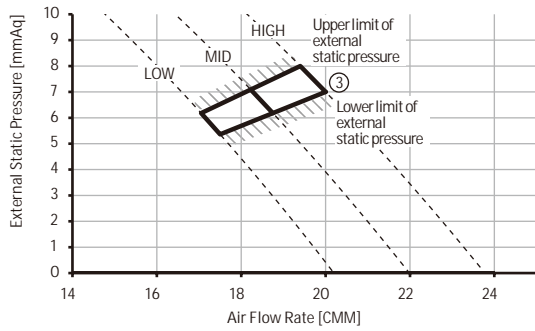
①	External Static Pressure(mmAq)	Option Code
	4	010054-125945-205A5A-331110



②	External Static Pressure(mmAq)	Option Code
	6	010054-125D29-205A5A-331110



③	External Static Pressure(mmAq)	Option Code
	8	010054-125DFD-205A5A-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

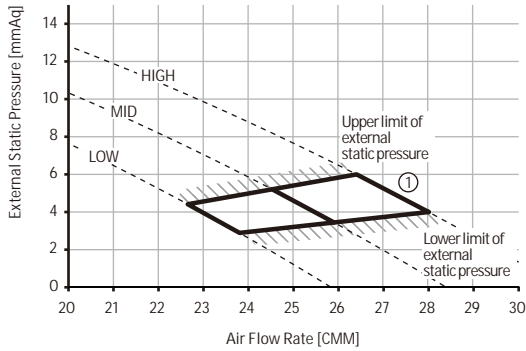
ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

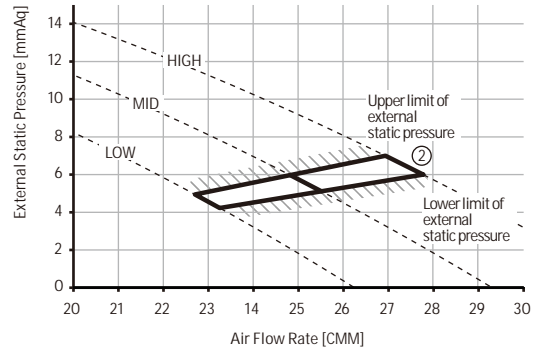
9-6. Recommended operation range

8)AM112FNMDEH/TK

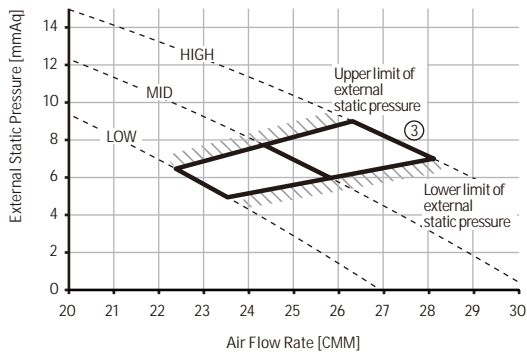
①	External Static Pressure(mmAq)	Option Code
	4	010054-122E04-207070-331110



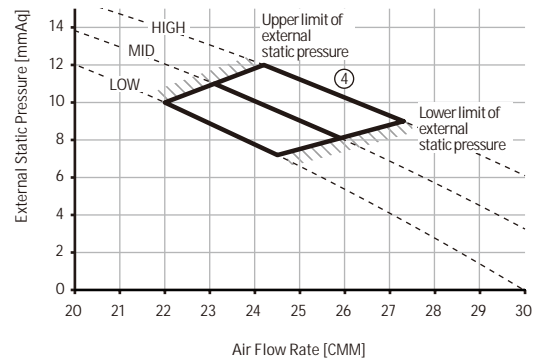
②	External Static Pressure(mmAq)	Option Code
	6	010054-122E26-207070-331110



③	External Static Pressure(mmAq)	Option Code
	8	010054-122EBB-207070-331110



④	External Static Pressure(mmAq)	Option Code
	10	010054-122FF0-207070-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

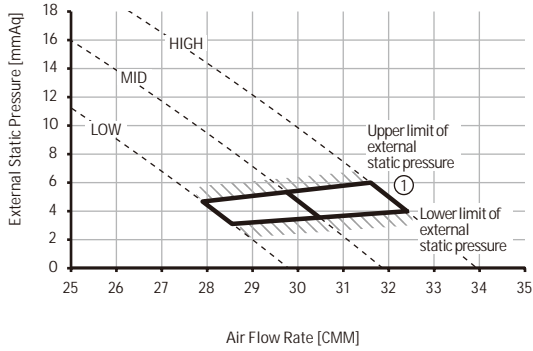
ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

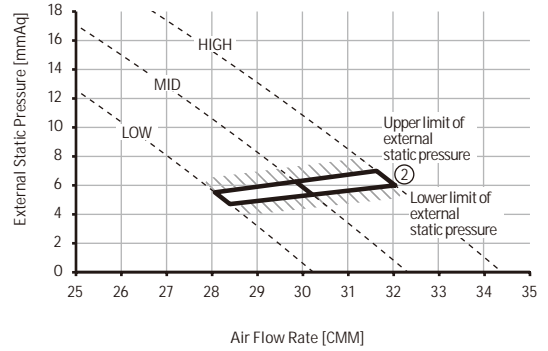
9-6. Recommended operation range

9)AM128FNMDEH/TK

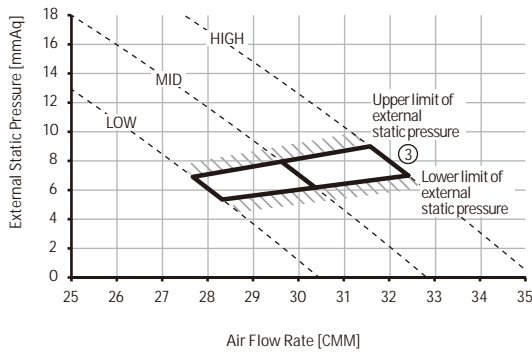
①	External Static Pressure(mmAq)	Option Code
	4	010054-12296C-208080-331110



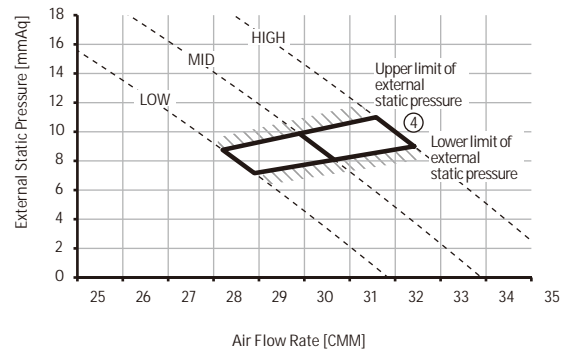
②	External Static Pressure(mmAq)	Option Code
	6	010054-12299E-208080-331110



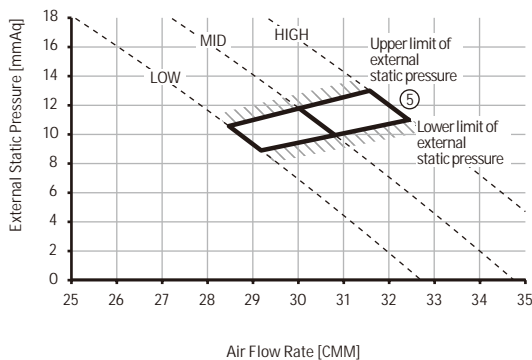
③	External Static Pressure(mmAq)	Option Code
	8	010054-122A80-208080-331110



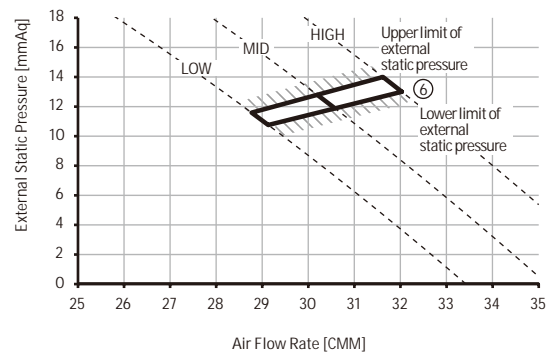
④	External Static Pressure(mmAq)	Option Code
	10	010054-122AE2-208080-331110



⑤	External Static Pressure(mmAq)	Option Code
	12	010054-122E14-208080-331110



⑥	External Static Pressure(mmAq)	Option Code
	14	010054-122E36-208080-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

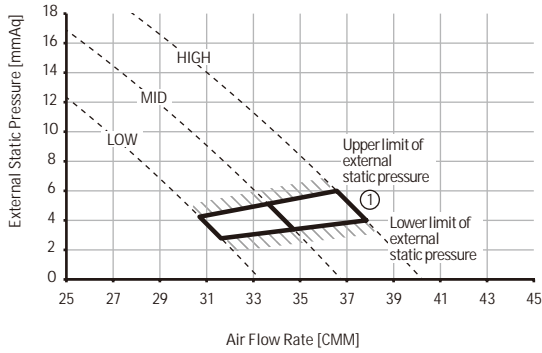
ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

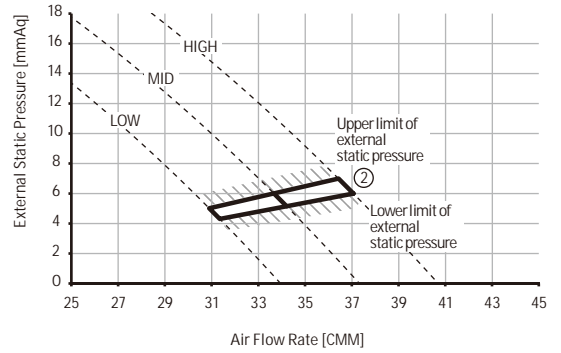
9-6. Recommended operation range

10) AM140FNMDEH/TK

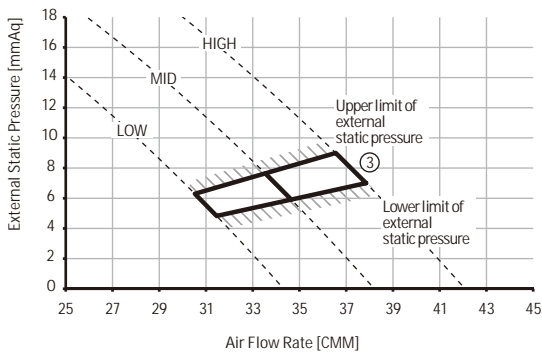
①	External Static Pressure(mmAq)	Option Code
	4	010054-1229CF-208C8C-331110



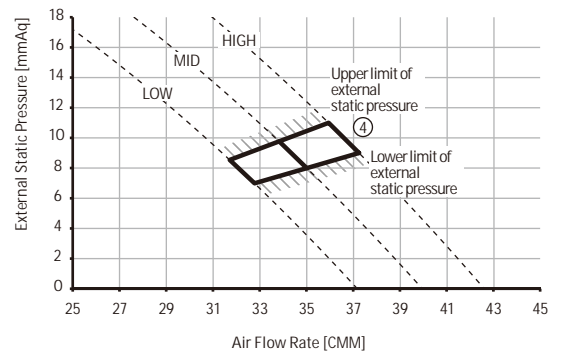
②	External Static Pressure(mmAq)	Option Code
	6	010054-122AF2-208C8C-331110



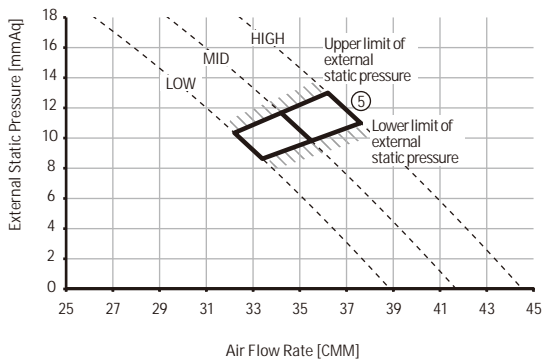
③	External Static Pressure(mmAq)	Option Code
	8	010054-122E24-208C8C-331110



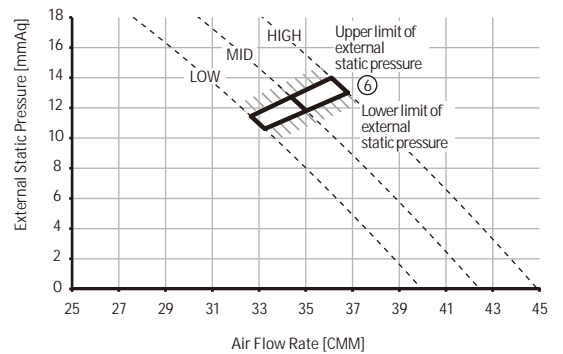
④	External Static Pressure(mmAq)	Option Code
	10	010054-122E47-208C8C-331110



⑤	External Static Pressure(mmAq)	Option Code
	12	010054-122EAA-208C8C-331110



⑥	External Static Pressure(mmAq)	Option Code
	14	010054-122EFC-208C8C-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

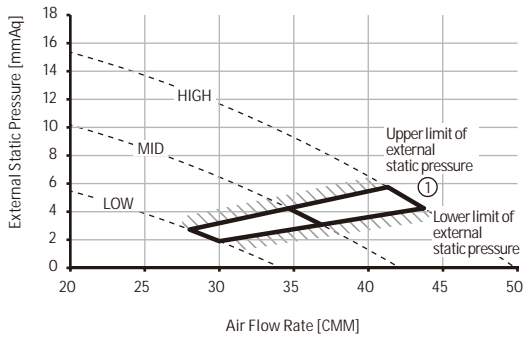
ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

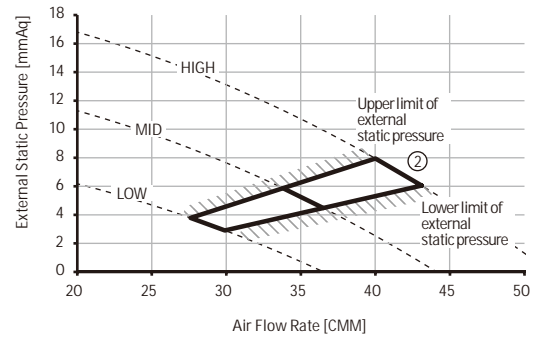
9-6. Recommended operation range

11) AM160KNMDEH/TK

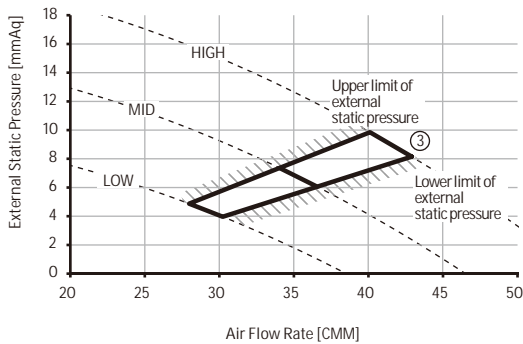
①	External Static Pressure(mmAq)	Option Code
	4	010054-125E79-20A0A0-331110



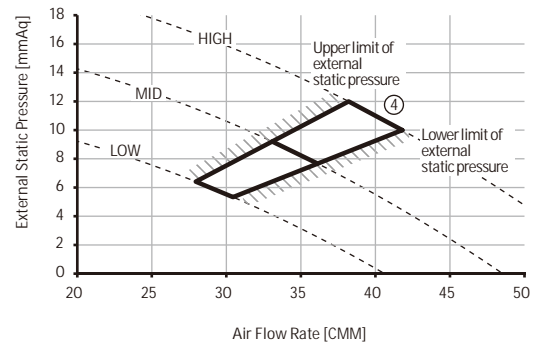
②	External Static Pressure(mmAq)	Option Code
	6	010054-125EAA-20A0A0-331110



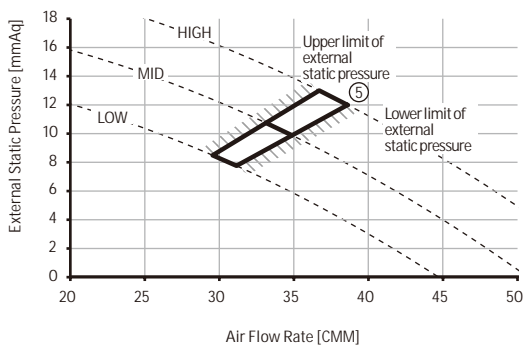
③	External Static Pressure(mmAq)	Option Code
	8	010054-125EDB-20A0A0-331110



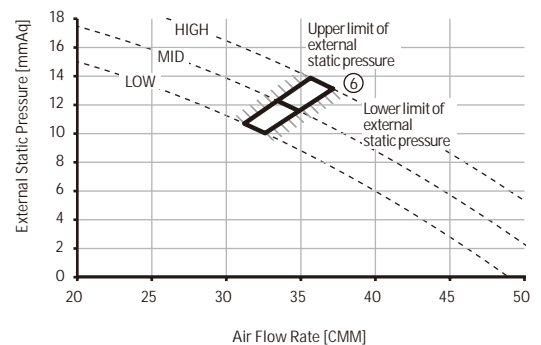
④	External Static Pressure(mmAq)	Option Code
	10	010054-125EFC-20A0A0-331110



⑤	External Static Pressure(mmAq)	Option Code
	12	010054-125EFD-20A0A0-331110



⑥	External Static Pressure(mmAq)	Option Code
	14	010054-125EFE-20A0A0-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

10 MSP duct (Drain pump integrated)

- 10-1. Specifications
- 10-2. Capacity tables
- 10-3. Dimensional drawing
- 10-4. Electrical wiring diagram
- 10-5. Sound pressure level
- 10-6. Recommended operation range

10 MSP duct (Drain pump integrated)

10-1. Specifications

Type				MSP DUCT	MSP DUCT	MSP DUCT
Model				AM022KNMDEH***	AM028KNMDEH***	AM036KNMDEH***
Power Supply			Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode			-	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	2.20	2.80	3.60
			Btu/h	7,500	9,600	12,300
		Heating	kW	2.50	3.20	4.00
			Btu/h	8,500	10,900	13,600
Power	Power Input (Nominal)	Cooling	W	80.00	80.00	85.00
		Heating		80.00	80.00	85.00
	Current Input (Nominal)	Cooling	A	0.40	0.40	0.55
		Heating		0.40	0.40	0.55
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor	Output x n	W	69 x 1	69 x 1	112 x 1
	Air Flow Rate	H/M/L (UL)	CMM	8.50/7.50/6.30	10.00/9.20/7.50	12.00/10.20/8.80
			l/s	141.67/125.00/105.00	166.67/153.33/125.00	200.00/170.00/146.67
	External Static Pressure	Min / Std / Max	mmAq	0.00/2.00/6.00	0.00/2.00/6.00	0.00/2.00/6.00
			Pa	0.00/19.61/58.84	0.00/19.61/58.84	0.00/19.61/58.84
Piping Connections	Liquid Pipe		Φ, mm	6.35	6.35	6.35
			Φ, inch	1/4"	1/4"	1/4"
	Gas Pipe		Φ, mm	12.70	12.70	12.70
			Φ, inch	1/2"	1/2"	1/2"
Drain Pipe		Φ, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
Field Wiring	Power Source Wire		mm ²	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable		mm ²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound Data	Sound Pressure Level	High / Mid / Low	dB(A)	23 / 21 / 19	24 / 22 / 19	29 / 27 / 24
	Sound Power Level	Cooling		47	48	53
Dimensions	Net Weight		kg	24.0	24.0	24.0
	Shipping Weight		kg	29.0	29.0	29.0
	Net Dimensions (W×H×D)		mm	900 x 199 x 600	900 x 199 x 600	900 x 199 x 600
	Shipping Dimensions (W×H×D)		mm	1150 x 280 x 710	1150 x 280 x 710	1150 x 280 x 710
Panel Size	Panel model		-	-	-	-
	Panel Net Weight		kg	-	-	-
	Shipping Weight		kg	-	-	-
	Net Dimensions (W×H×D)		mm	-	-	-
	Shipping Dimensions (W×H×D)		mm	-	-	-
Additional Accessories	Drain pump	Drain pump	-	Drain Pump Included	Drain Pump Included	Drain Pump Included
		Max. lifting Height	mm	-	-	-
	Air Filter		-	-	-	-

NOTE

- 1) Mode : HP(Heat Pump), HR(Heat Recovery)
- 2) Nominal Cooling : Indoor temperature 27°CDB / 19°CWB, Outdoor temperature 35°CDB/24°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- 3) Nominal Heating : Indoor temperature 20°CDB / 15°CWB, Outdoor temperature 7°CDB / 6°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- 4) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 5) These products contain R410A which is fluorinated greenhouse gas.
- 6) Specifications may be subject to change without prior notice.

10 MSP duct (Drain pump integrated)

10-1. Specifications

Type				MSP DUCT	MSP DUCT	MSP DUCT
Model				AM045KNMDEH***	AM056KNMDEH***	AM071KNMDEH***
Power Supply			Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode				-	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	4.50	5.60	7.10
			Btu/h	15,400	19,100	24,200
		Heating	kW	5.00	6.30	8.00
			Btu/h	17,100	21,500	27,300
Power	Power Input (Nominal)	Cooling	W	125.00	130.00	190.00
		Heating		125.00	130.00	190.00
	Current Input (Nominal)	Cooling	A	1.15	1.10	1.25
		Heating		1.15	1.10	1.25
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor	Output x n	W	219 x 1	124 x 1	124 x 1
	Air Flow Rate	H/M/L (UL)	CMM	14.00/12.00/10.50	14.50/13.00/11.50	18.50/17.00/15.50
			l/s	233.33/200.00/175.00	241.67/216.67/191.67	308.33/283.33/258.33
	External Static Pressure	Min / Std / Max	mmAq	0.00/4.00/8.00	0.00/4.00/8.00	0.00/4.00/8.00
Pa			0.00/39.23/78.45	0.00/39.23/78.45	0.00/39.23/78.45	
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	9.52	
		Φ, inch	1/4"	1/4"	3/8"	
	Gas Pipe	Φ, mm	12.70	12.70	15.88	
		Φ, inch	1/2"	1/2"	5/8"	
Drain Pipe	Φ, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)		
Field Wiring	Power Source Wire		mm ²	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable		mm ²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound Data	Sound Pressure Level	High / Mid / Low	dB(A)	32 / 30 / 28	35 / 33 / 31	39 / 35 / 31
	Sound Power Level	Cooling		54	57	61
Dimensions	Net Weight		kg	28.5	28.5	28.5
	Shipping Weight		kg	33.0	33.0	33.0
	Net Dimensions (W×H×D)		mm	900 x 260 x 480	900 x 260 x 480	900 x 260 x 480
	Shipping Dimensions (W×H×D)		mm	1170 x 340 x 595	1170 x 340 x 595	1170 x 340 x 595
Panel Size	Panel model		-	-	-	-
	Panel Net Weight		kg	-	-	-
	Shipping Weight		kg	-	-	-
	Net Dimensions (W×H×D)		mm	-	-	-
	Shipping Dimensions (W×H×D)		mm	-	-	-
Additional Accessories	Drain pump	Drain pump	-	Drain Pump Included	Drain Pump Included	Drain Pump Included
		Max. lifting Height	mm	-	-	-
	Air Filter		-	-	-	-

NOTE

- 1) Mode : HP(Heat Pump), HR(Heat Recovery)
- 2) Nominal Cooling : Indoor temperature 27°CDB / 19°CWB, Outdoor temperature 35°CDB/24°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- 3) Nominal Heating : Indoor temperature 20°CDB / 15°CWB, Outdoor temperature 7°CDB / 6°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- 4) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 5) These products contain R410A which is fluorinated greenhouse gas.
- 6) Specifications may be subject to change without prior notice.

10 MSP duct (Drain pump integrated)

10-1. Specifications

Type			MSP DUCT	MSP DUCT	MSP DUCT	
Model			AM090KNMDEH***	AM112KNMDEH***	AM128KNMDEH***	
Power Supply		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
Mode		-	HP/HR	HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	9.00	11.20	12.80
			Btu/h	30,700	38,200	43,700
		Heating	kW	10.00	12.50	13.80
			Btu/h	34,100	42,700	47,100
Power	Power Input (Nominal)	Cooling	W	240.00	260.00	370.00
		Heating		240.00	260.00	370.00
	Current Input (Nominal)	Cooling	A	1.30	1.17	1.67
		Heating		1.30	1.17	1.67
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor	Output x n	W	130 x 1	130 x 1	218 x 1
	Air Flow Rate	H/M/L (UL)	CMM	19.50/18.00/16.50	27.00/25.00/23.00	32.00/30.00/28.00
			l/s	325.00/300.00/275.00	450.00/416.67/383.33	533.33/500.00/466.67
	External Static Pressure	Min / Std / Max	mmAq	4.00/6.00/8.00	4.00/8.00/12.00	4.00/8.00/14.00
Pa			39.23/58.84/78.45	39.23/78.45/117.68	39.23/78.45/137.29	
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	9.52	
		Φ, inch	3/8"	3/8"	3/8"	
	Gas Pipe	Φ, mm	15.88	15.88	15.88	
		Φ, inch	5/8"	5/8"	5/8"	
Drain Pipe	Φ, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)		
Field Wiring	Power Source Wire		mm ²	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable		mm ²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound Data	Sound Pressure Level	High / Mid / Low	dB(A)	40 / 37 / 34	41 / 40 / 38	41 / 40 / 38
	Sound Power Level	Cooling		63	66	66
Dimensions	Net Weight		kg	32.5	36.0	48.5
	Shipping Weight		kg	37.5	41.0	57.0
	Net Dimensions (W×H×D)		mm	1150 x 260 x 480	1150 x 320 x 480	1200 x 360 x 650
	Shipping Dimensions (W×H×D)		mm	1420 x 340 x 595	1420 x 400 x 595	1480 x 420 x 790
Panel Size	Panel model		-	-	-	-
	Panel Net Weight		kg	-	-	-
	Shipping Weight		kg	-	-	-
	Net Dimensions (W×H×D)		mm	-	-	-
	Shipping Dimensions (W×H×D)		mm	-	-	-
Additional Accessories	Drain pump	Drain pump	-	Drain Pump Included	Drain Pump Included	Drain Pump Included
		Max. lifting Height	mm	-	-	-
	Air Filter		-	-	-	-

NOTE

- 1) Mode : HP(Heat Pump), HR(Heat Recovery)
- 2) Nominal Cooling : Indoor temperature 27°CDB / 19°CWB, Outdoor temperature 35°CDB/24°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- 3) Nominal Heating : Indoor temperature 20°CDB / 15°CWB, Outdoor temperature 7°CDB / 6°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- 4) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 5) These products contain R410A which is fluorinated greenhouse gas.
- 6) Specifications may be subject to change without prior notice.

10 MSP duct (Drain pump integrated)

10-1. Specifications

Type			MSP DUCT	MSP DUCT	
Model			AM140KNMDEH***	AM160KNMDEH1**	
Power Supply		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	
Mode		-	HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	14.00	16.00
			Btu/h	47,800	54,600
		Heating	kW	16.00	18.00
			Btu/h	54,600	61,400
Power	Power Input (Nominal)	Cooling	W	410.00	485.00
		Heating		410.00	485.00
	Current Input (Nominal)	Cooling	A	1.86	2.24
		Heating		1.86	2.24
Fan	Type		-	Sirocco Fan	Sirocco Fan
	Motor	Output x n	W	218 x 1	370 x 1
	Air Flow Rate	H/M/L (UL)	CMM	37.00/34.00/31.00	43.00/38.00/30.50
			l/s	616.67/566.67/516.67	716.67/633.33/508.33
	External Static Pressure	Min / Std / Max	mmAq	4.00/8.00/14.00	4.00/8.00/14.00
Pa			39.23/78.45/137.29	39.23/78.45/137.29	
Piping Connections	Liquid Pipe		Φ,mm	9.52	9.52
			Φ, inch	3/8"	3/8"
	Gas Pipe		Φ,mm	15.88	15.88
			Φ, inch	5/8"	5/8"
Drain Pipe		Φ,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	
Field Wiring	Power Source Wire		mm ²	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable		mm ²	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED
Sound Data	Sound Pressure Level	High / Mid / Low	dB(A)	42 / 39 / 36	43 / 40 / 36
	Sound Power Level	Cooling		68	69
Dimensions	Net Weight		kg	48.5	50.5
	Shipping Weight		kg	57.0	59.0
	Net Dimensions (W×H×D)		mm	1200 x 360 x 650	1200 x 360 x 650
	Shipping Dimensions (W×H×D)		mm	1480 x 420 x 790	1480 x 420 x 790
Panel Size	Panel model		-	-	-
	Panel Net Weight		kg	-	-
	Shipping Weight		kg	-	-
	Net Dimensions (W×H×D)		mm	-	-
	Shipping Dimensions (W×H×D)		mm	-	-
Additional Accessories	Drain pump	Drain pump	-	Drain Pump Included	Drain Pump Included
		Max. lifting Height	mm	-	-
	Air Filter		-	-	-

NOTE

- 1) Mode : HP(Heat Pump), HR(Heat Recovery)
- 2) Nominal Cooling : Indoor temperature 27°CDB / 19°CWB, Outdoor temperature 35°CDB/24°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- 3) Nominal Heating : Indoor temperature 20°CDB / 15°CWB, Outdoor temperature 7°CDB / 6°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- 4) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 5) These products contain R410A which is fluorinated greenhouse gas.
- 6) Specifications may be subject to change without prior notice.

10 MSP duct (Drain pump integrated)

10-2. Capacity tables

Cooling

TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C)													
		20 (°C, DB) 14 (°C, WB)		23 (°C, DB) 16 (°C, WB)		26 (°C, DB) 18 (°C, WB)		27 (°C, DB) 19 (°C, WB)		28 (°C, DB) 20 (°C, WB)		30 (°C, DB) 22 (°C, WB)		32 (°C, DB) 24 (°C, WB)	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
022	10	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.5	1.8	2.6	1.6
	12	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.5	1.8	2.6	1.6
	14	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.5	1.8	2.6	1.6
	16	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6
	18	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6
	20	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6
	21	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6
	23	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6
	25	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6
	27	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6
	29	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6
	31	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6
33	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6	
35	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6	
37	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.6	
39	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.5	1.5	
028	10	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.4	2.1
	12	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	14	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	16	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	18	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	20	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	21	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	23	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	25	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	27	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	29	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
	31	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0
33	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0	
35	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0	
37	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.0	
39	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	3.0	2.0	3.2	1.9	
036	10	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.3	2.7
	12	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.3	2.7
	14	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.3	2.7
	16	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.3	2.7
	18	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.3	2.7
	20	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
	21	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
	23	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
	25	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
	27	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
	29	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
	31	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
33	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6	
35	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6	
37	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	3.9	2.7	4.2	2.6	
39	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	3.9	2.7	4.1	2.5	
045	10	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.4	3.5
	12	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.4	3.5
	14	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.4	3.5
	16	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.3	3.2
	18	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.3	3.2
	20	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.3	3.2
	21	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.3	3.2
	23	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.3	3.2
	25	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.3	3.2
	27	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.3	3.2
	29	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.3	3.2
	31	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.3	3.2
33	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.3	3.2	
35	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.7	3.4	5.0	3.4	5.3	3.2	
37	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.6	3.3	4.9	3.3	5.2	3.2	
39	3.1	2.8	3.7	3.2	4.2	3.3	4.5	3.4	4.6	3.3	4.9	3.3	5.1	3.1	
056	10	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.3	4.4	6.7	4.2
	12	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.3	4.4	6.7	4.2
	14	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.7	4.2
	16	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.6	4.1
	18	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.6	4.1
	20	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.6	4.1
	21	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.6	4.1
	23	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.6	4.1
	25	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.6	4.1
	27	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.6	4.1
	29	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.6	4.1
	31	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.6	4.1
33	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.6	4.1	
35	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.2	4.3	6.6	4.1	
37	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.1	4.2	6.5	4.0	
39	3.9	3.4	4.6	3.9	5.3	4.1	5.6	4.3	5.8	4.3	6.1	4.2	6.4	3.9	

10 MSP duct (Drain pump integrated)

10-2. Capacity tables

Cooling

TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C)													
		20 (°C, DB) 14 (°C, WB)		23 (°C, DB) 16 (°C, WB)		26 (°C, DB) 18 (°C, WB)		27 (°C, DB) 19 (°C, WB)		28 (°C, DB) 20 (°C, WB)		30 (°C, DB) 22 (°C, WB)		32 (°C, DB) 24 (°C, WB)	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
071	10	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	8.0	5.7	8.5	5.4
	12	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.5	5.4
	14	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.5	5.4
	16	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	18	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	20	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	21	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	23	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	25	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	27	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	29	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	31	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	33	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
35	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3	
37	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.3	5.5	7.8	5.5	8.2	5.2	
39	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.3	5.5	7.7	5.4	8.1	5.1	
090	10	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.4	7.1	10.1	7.1	10.8	7.1
	12	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.4	7.1	10.1	7.1	10.8	7.1
	14	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.7	6.9
	16	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.7	6.9
	18	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	20	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	21	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	23	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	25	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	27	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	29	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	31	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
	33	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8
35	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	10.0	7.0	10.6	6.8	
37	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.3	7.0	9.9	6.9	10.4	6.7	
39	6.2	5.5	7.3	6.3	8.4	6.7	9.0	6.9	9.2	6.9	9.7	6.8	10.2	6.6	
112	10	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.5	8.4	13.4	8.3
	12	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.5	8.4	13.4	8.3
	14	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.5	8.4	13.3	8.2
	16	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.5	8.4	13.3	8.2
	18	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.4	8.3	13.2	8.2
	20	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.4	8.3	13.2	8.1
	21	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.4	8.3	13.2	8.1
	23	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.4	8.3	13.2	8.1
	25	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.4	8.4	13.2	8.1
	27	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.4	8.3	13.2	8.1
	29	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.4	8.3	13.2	8.1
	31	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.4	8.5	13.2	8.1
	33	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.4	8.5	13.2	8.1
35	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.4	8.4	13.2	8.1	
37	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.6	8.5	12.3	8.5	13.0	8.0	
39	7.7	6.5	9.1	7.5	10.5	8.0	11.2	8.3	11.5	8.5	12.1	8.4	12.7	7.9	
128	10	10.4	7.6	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.3	6.3	15.4	9.8
	12	10.4	7.6	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.3	6.3	15.3	9.8
	14	10.4	7.6	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.3	6.2	15.3	9.7
	16	10.4	9.0	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.2	6.2	15.2	9.7
	18	10.4	9.0	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.2	6.2	15.1	9.7
	20	10.4	9.0	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.2	6.2	15.1	9.7
	21	10.4	9.0	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.2	6.2	15.1	9.7
	23	10.4	9.0	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.2	6.2	15.1	9.7
	25	10.4	9.0	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.2	6.2	15.1	9.7
	27	10.4	9.0	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.2	6.2	15.1	9.7
	29	10.4	9.0	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.2	6.2	15.1	9.7
	31	10.4	9.0	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.2	6.2	15.1	9.7
	33	10.4	9.0	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.9	14.2	6.2	15.1	9.7
35	10.4	9.0	10.4	8.7	12.0	9.3	12.8	9.7	13.3	9.8	14.2	6.2	15.1	9.7	
37	10.4	9.0	10.4	8.7	12.0	9.3	12.8	9.7	13.2	9.9	14.0	6.1	14.9	9.6	
39	10.4	9.0	10.4	8.7	12.0	9.3	12.8	9.7	13.1	9.9	13.8	6.1	14.5	9.6	
140	10	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.6	11.0	15.7	8.0	16.8	11.2
	12	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.6	7.9	16.7	11.2
	14	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.6	7.9	16.7	11.1
	16	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.6	7.9	16.6	11.1
	18	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.5	7.9	16.6	11.0
	20	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.5	7.9	16.5	11.0
	21	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.5	7.9	16.5	11.0
	23	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.5	7.9	16.5	11.0
	25	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.5	7.9	16.5	11.0
	27	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.5	7.9	16.5	11.0
	29	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.5	7.9	16.5	11.0
	31	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.5	7.9	16.5	11.0
	33	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.5	7.9	16.5	11.0
35	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	10.9	15.5	7.9	16.5	11.0	
37	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.5	11.0	15.4	7.8	16.3	11.0	
39	9.7	8.6	11.4	9.6	13.1	10.4	14.0	10.8	14.4	10.9	15.1	7.7	15.9	10.8	
160	10	11.1	9.6	13.0	10.9	15.0	11.8	16.0	12.1	16.7	12.2	17.9	12.3	19.2	12.2
	12	11.1	9.6	13.0	10.9	15.0	11.8	16.0	12.1	16.6	12.1	17.8	12.2	19.1	12.1
	14	11.1	9.6	13.0	10.9	15.0	11.8	16.0	12.1	16.6	12.1	17.8	12.2	19.1	12.1
	16	11.1	9.6	13.0	10.9	15.0	11.8	16.0	12.1	16.6	12.1	17.8	12.2	19.0	12.0
	18	11.1	9.6	13.0	10.9	15.0	11.8	16.0	12.1	16.6	12.1	17.7	12.1	19.0	12.0
	20	11.1	9.6	13.0	10.9	15.0	11.8	16.0	12.1	16.6	12.1	17.7	12.1	18.9	11.9
	21	11.1	9.6	13.0	10.9	15.0	11.8	16.0	12.1	16.6	12.1	17.7	12.1	18.9	11.9
	23	11.1	9.6	13.0	10.9	15.0	11.8	16.0	12.1	16.6	12.1	17.7	12.1	18.9	11.9
	25	11.1	9.6	13.0	10.9	15.0	11.8	16.0	12.1	16.6	12.1	17.7	12.1	18.9	11.9
	27	11.1	9.6	13.0	10.9	15.0	11.8	16.0	12.1	16.6	12.1	17.7	12.1	18.9	11.9
	29	11.1	9.6	13.0	10.9	15.0	11.								

10 MSP duct (Drain pump integrated)

10-2. Capacity tables

Heating

TC : Total Capacity(kW)

Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC kW	TC kW	TC kW	TC kW	TC kW
022	-20	-21	1.5	1.5	1.5	1.5	1.5
	-17	-18	1.6	1.6	1.6	1.6	1.6
	-15	-16	1.7	1.6	1.6	1.6	1.6
	-12	-13	1.8	1.8	1.8	1.8	1.7
	-10	-11	2.0	2.0	1.9	1.9	1.9
	-7	-8	2.3	2.2	2.2	2.0	2.0
	-5	-6	2.4	2.3	2.3	2.2	2.2
	-3	-4	2.5	2.5	2.4	2.3	2.2
	0	-1	2.6	2.5	2.5	2.3	2.2
	3	2.2	2.7	2.6	2.5	2.3	2.2
	5	4.1	2.8	2.7	2.5	2.3	2.2
	7	6	2.8	2.7	2.5	2.3	2.2
	9	7.9	3.0	2.7	2.5	2.3	2.2
	11	9.8	3.0	2.7	2.5	2.3	2.2
	13	12	3.0	2.7	2.5	2.3	2.2
15	14	3.0	2.7	2.5	2.3	2.2	
028	-20	-21	1.9	1.9	1.9	1.9	1.9
	-17	-18	2.0	2.0	2.0	2.0	1.9
	-15	-16	2.1	2.1	2.0	2.0	1.9
	-12	-13	2.2	2.2	2.2	2.1	2.1
	-10	-11	2.3	2.3	2.3	2.3	2.2
	-7	-8	2.5	2.4	2.4	2.4	2.3
	-5	-6	2.6	2.6	2.5	2.5	2.4
	-3	-4	2.8	2.7	2.7	2.6	2.5
	0	-1	2.9	2.8	2.8	2.7	2.6
	3	2.2	3.0	3.0	2.9	2.8	2.7
	5	4.1	3.2	3.1	3.1	2.9	2.7
	7	6	3.3	3.2	3.2	3.0	2.7
	9	7.9	3.4	3.3	3.2	3.0	2.7
	11	9.8	3.5	3.3	3.2	3.0	2.7
	13	12	3.6	3.4	3.2	3.0	2.7
15	14	3.7	3.4	3.2	3.0	2.7	
036	-20	-21	2.4	2.4	2.3	2.3	2.3
	-17	-18	2.6	2.5	2.4	2.4	2.3
	-15	-16	2.7	2.6	2.5	2.5	2.4
	-12	-13	2.8	2.7	2.7	2.6	2.6
	-10	-11	2.9	2.9	2.9	2.8	2.8
	-7	-8	3.1	3.1	3.0	3.0	2.9
	-5	-6	3.3	3.2	3.2	3.1	3.0
	-3	-4	3.4	3.4	3.3	3.2	3.1
	0	-1	3.6	3.6	3.5	3.4	3.2
	3	2.2	3.8	3.7	3.7	3.5	3.4
	5	4.1	3.9	3.9	3.8	3.6	3.4
	7	6	4.1	4.1	4.0	3.7	3.4
	9	7.9	4.2	4.1	4.0	3.7	3.4
	11	9.8	4.4	4.2	4.0	3.7	3.4
	13	12	4.5	4.2	4.0	3.7	3.4
15	14	4.6	4.3	4.0	3.7	3.4	
045	-20	-21	3.1	3.1	2.9	2.9	2.9
	-17	-18	3.2	3.2	3.1	3.0	3.0
	-15	-16	3.3	3.3	3.2	3.1	3.0
	-12	-13	3.5	3.4	3.4	3.3	3.2
	-10	-11	3.7	3.6	3.6	3.5	3.5
	-7	-8	3.9	3.8	3.8	3.7	3.6
	-5	-6	4.1	4.0	4.0	3.9	3.7
	-3	-4	4.3	4.2	4.2	4.0	3.9
	0	-1	4.5	4.4	4.4	4.2	4.0
	3	2.2	4.7	4.7	4.6	4.4	4.2
	5	4.1	4.9	4.9	4.8	4.5	4.2
	7	6	5.1	5.1	5.0	4.6	4.2
	9	7.9	5.3	5.2	5.0	4.6	4.2
	11	9.8	5.5	5.2	5.0	4.6	4.2
	13	12	5.6	5.3	5.0	4.6	4.2
15	14	5.8	5.4	5.0	4.6	4.2	
056	-20	-21	3.9	3.8	.8	3.7	3.7
	-17	-18	4.0	4.0	3.9	3.8	3.8
	-15	-16	4.2	4.1	4.0	3.9	3.8
	-12	-13	4.4	4.3	4.2	4.2	4.1
	-10	-11	4.6	4.6	4.5	4.4	4.4
	-7	-8	4.9	4.8	4.8	4.7	4.5
	-5	-6	5.2	5.1	5.0	4.9	4.7
	-3	-4	5.4	5.3	5.3	5.1	4.9
	0	-1	5.7	5.6	5.5	5.3	5.0
	3	2.2	5.9	5.9	5.8	5.6	5.3
	5	4.1	6.2	6.1	6.0	5.7	5.3
	7	6	6.5	6.4	6.3	5.8	5.3
	9	7.9	6.7	6.5	6.3	5.8	5.3
	11	9.8	6.9	6.6	6.3	5.8	5.3
	13	12	7.1	6.7	6.3	5.8	5.3
15	14	7.3	6.8	6.3	5.8	5.3	

10 MSP duct (Drain pump integrated)

10-2. Capacity tables

Heating

TC : Total Capacity(kW)

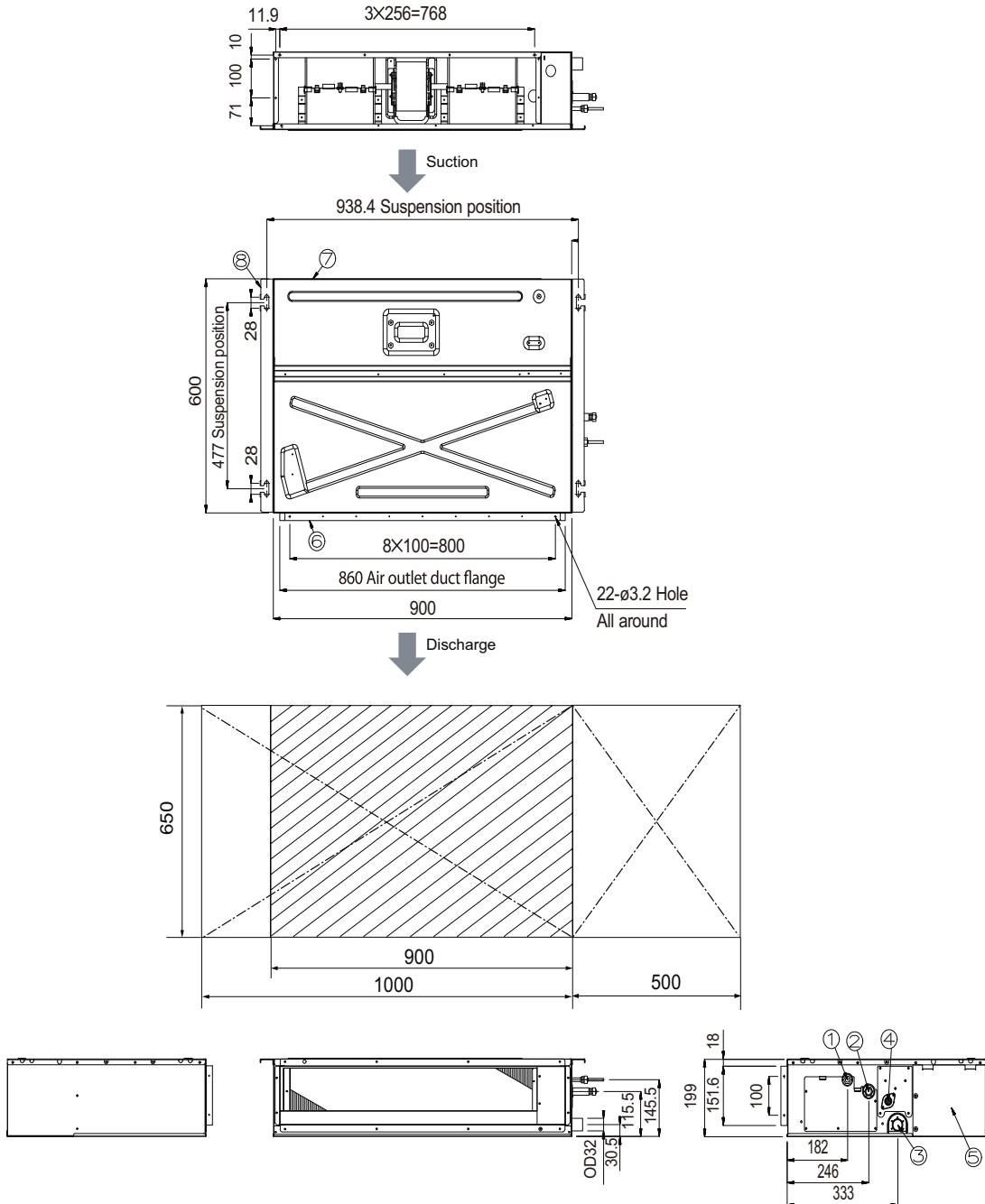
Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC kW	TC kW	TC kW	TC kW	TC kW
071	-20	-21	4.9	4.9	4.8	4.7	4.7
	-17	-18	5.1	5.0	4.9	4.8	4.8
	-15	-16	5.3	5.2	5.1	4.9	4.8
	-12	-13	5.6	5.5	5.4	5.3	5.2
	-10	-11	5.9	5.8	5.7	5.6	5.6
	-7	-8	6.2	6.1	6.0	5.9	5.8
	-5	-6	6.5	6.5	6.4	6.2	6.0
	-3	-4	6.9	6.8	6.7	6.4	6.2
	0	-1	7.2	7.1	7.0	6.7	6.4
	3	2.2	7.6	7.5	7.3	7.1	6.8
	5	4.1	7.9	7.8	7.7	7.2	6.8
	7	6	8.2	8.1	8.0	7.4	6.8
	9	7.9	8.5	8.2	8.0	7.4	6.8
	11	9.8	8.7	8.4	8.0	7.4	6.8
	13	12	9.0	8.5	8.0	7.4	6.8
15	14	9.2	8.6	8.0	7.4	6.8	
090	-20	-21	6.0	6.0	5.9	5.8	5.8
	-17	-18	6.3	6.3	6.1	6.0	5.9
	-15	-16	6.7	6.5	6.3	6.1	6.0
	-12	-13	7.0	6.9	6.7	6.6	6.5
	-10	-11	7.3	7.2	7.1	7.0	7.0
	-7	-8	7.8	7.7	7.6	7.4	7.2
	-5	-6	8.2	8.1	8.0	7.7	7.5
	-3	-4	8.6	8.5	8.4	8.1	7.7
	0	-1	9.0	8.9	8.8	8.4	8.0
	3	2.2	9.4	9.3	9.2	8.8	8.4
	5	4.1	9.9	9.7	9.6	9.0	8.4
	7	6	10.3	10.1	10.0	9.2	8.4
	9	7.9	10.6	10.3	10.0	9.2	8.4
	11	9.8	10.9	10.5	10.0	9.2	8.4
	13	12	11.2	10.6	10.0	9.2	8.4
15	14	11.6	10.8	10.0	9.2	8.4	
112	-20	-21	7.4	7.4	7.3	7.3	7.3
	-17	-18	8.0	7.8	7.6	7.5	7.4
	-15	-16	8.4	8.1	7.9	7.7	7.5
	-12	-13	8.8	8.6	8.4	8.2	8.1
	-10	-11	9.2	9.0	8.9	8.8	8.7
	-7	-8	9.7	9.6	9.4	9.2	9.0
	-5	-6	10.2	10.1	9.9	9.6	9.3
	-3	-4	10.7	10.6	10.5	10.1	9.7
	0	-1	11.3	11.1	11.1	10.5	10.0
	3	2.2	11.8	11.6	11.5	11.0	10.6
	5	4.1	12.3	12.2	12.0	11.3	10.6
	7	6	12.9	12.7	12.5	11.5	10.6
	9	7.9	13.3	12.9	12.5	11.5	10.6
	11	9.8	13.7	13.1	12.5	11.5	10.6
	13	12	14.0	13.3	12.5	11.5	10.6
15	14	14.4	13.5	12.5	11.5	10.6	
128	-20	-21	8.1	8.1	8.0	8.0	8.0
	-17	-18	8.7	8.5	8.4	8.3	8.1
	-15	-16	9.2	9.0	8.7	8.5	8.2
	-12	-13	9.7	9.5	9.3	9.1	8.9
	-10	-11	10.1	10.0	9.9	9.7	9.6
	-7	-8	10.7	10.6	10.4	10.2	10.0
	-5	-6	11.3	11.1	11.0	10.7	10.3
	-3	-4	11.9	11.7	11.5	11.1	10.7
	0	-1	12.4	12.3	12.1	11.6	11.0
	3	2.2	13.0	12.9	12.7	12.2	11.7
	5	4.1	13.6	13.4	13.2	12.4	11.7
	7	6	14.2	14.0	13.8	12.7	11.7
	9	7.9	14.6	14.2	13.8	12.7	11.7
	11	9.8	15.1	14.4	13.8	12.7	11.7
	13	12	15.5	14.7	13.8	12.7	11.7
15	14	15.9	14.9	13.8	12.7	11.7	
140	-20	-21	9.5	9.5	9.4	9.4	9.3
	-17	-18	10.1	9.9	9.6	9.6	9.4
	-15	-16	10.7	10.4	10.1	9.8	9.5
	-12	-13	11.2	11.0	10.8	10.6	10.3
	-10	-11	11.7	11.6	11.4	11.3	11.1
	-7	-8	12.4	12.2	12.1	11.8	11.5
	-5	-6	13.1	12.9	12.7	12.3	12.0
	-3	-4	13.8	13.6	13.4	12.9	12.4
	0	-1	14.4	14.2	14.0	13.4	12.8
	3	2.2	15.1	14.9	14.7	14.1	13.5
	5	4.1	15.8	15.6	15.3	14.4	13.5
	7	6	16.5	16.2	16.0	14.8	13.5
	9	7.9	17.0	16.5	16.0	14.8	13.5
	11	9.8	17.5	16.7	16.0	14.8	13.5
	13	12	18.0	17.0	16.0	14.8	13.5
15	14	18.5	17.2	16.0	14.8	13.5	
160	-19.8	-20.0	14.6	14.1	13.3	12.6	12.2
	-16.7	-17.0	15.1	14.5	13.7	13.3	13.2
	-14.7	-15.0	15.7	15.0	14.2	13.8	13.6
	-12.6	-13.0	16.4	15.7	14.9	14.4	14.2
	-10.5	-11.0	17.5	16.8	15.9	15.2	15.0
	-7.0	-7.6	18.3	17.6	16.6	16.1	15.8
	-5.0	-5.6	18.9	18.1	17.1	16.7	16.3
	-3.0	-3.7	19.3	18.6	17.5	17.4	16.6
	0.0	-0.7	19.7	19.1	17.9	17.5	17.1
	3.0	2.2	20.2	19.4	18.0	17.6	17.0
	5.0	4.1	20.4	19.4	18.0	17.6	17.0
	7.0	6.0	20.7	19.4	18.0	17.6	17.0
	9.0	7.9	20.7	19.4	18.0	17.6	17.0
	11.0	9.8	20.7	19.4	18.0	17.6	17.0
	13.0	11.8	20.7	19.4	18.0	17.6	17.0
15.0	13.7	20.7	19.4	18.0	17.6	17.0	

10 MSP duct (Drain pump integrated)

10-3. Dimensional drawing

AM022/028/036KNMDEH***

[Unit : mm]



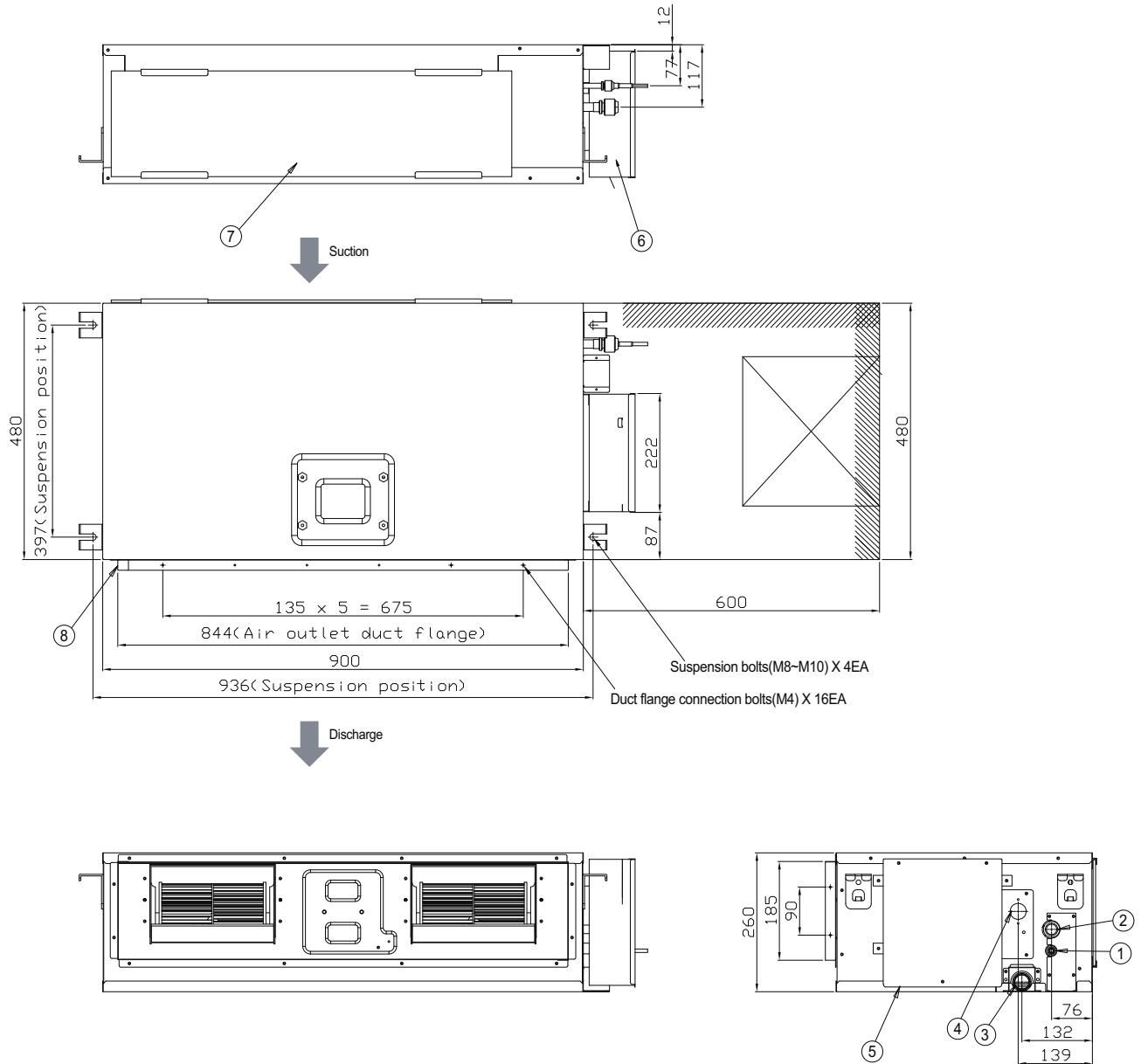
No.	Name	Description		
		2.2kW	2.8kW	3.6kW
①	Liquid pipe connection	Ø6.35 Flare		
②	Gas pipe connection	Ø12.70 Flare		
③	Drain pipe connection without optional drain pump	N/A		
④	Drain pipe connection with integrated drain pump	VP25 (OD 32, ID 25)		
⑤	Control unit	-		
⑥	Conduit for power supply & communication wiring	-		
⑦	Return air side	-		
⑧	Air outlet duct flange	-		

10 MSP duct (Drain pump integrated)

10-3. Dimensional drawing

AM045/056/071KNMDEH***

[Unit : mm]



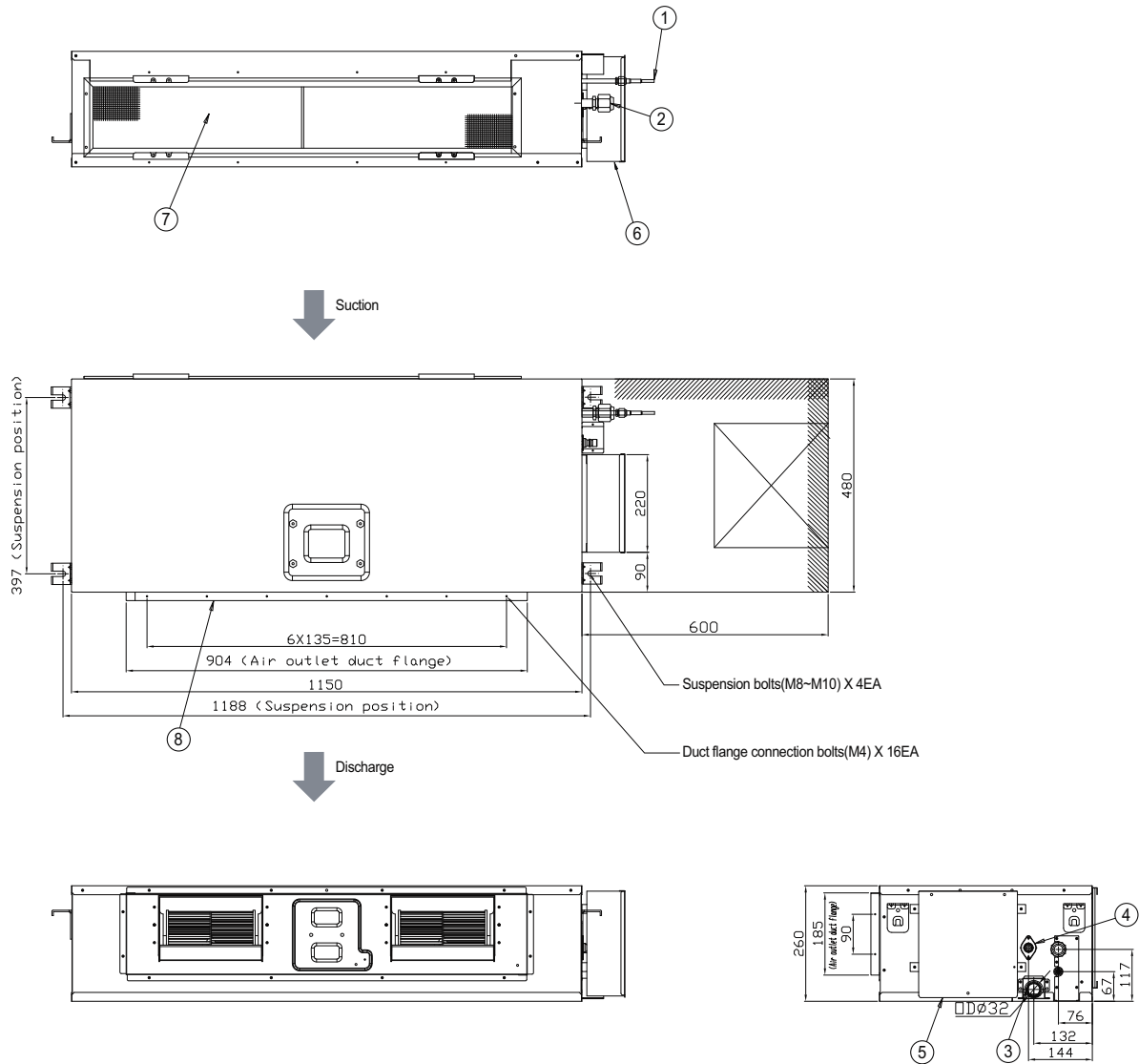
No.	Name	Description		
		4.5kW	5.6kW	7.1kW
①	Liquid pipe connection	Ø6.35 Flare		Ø9.52 Flare
②	Gas pipe connection	Ø12.70 Flare		Ø15.88 Flare
③	Drain pipe connection without optional drain pump	N/A		
④	Drain pipe connection with integrated drain pump	VP25 (OD 32, ID 25)		
⑤	Control unit	-		
⑥	Conduit for power supply & communication wiring	-		
⑦	Return air side	-		
⑧	Air outlet duct flange	-		

10 MSP duct (Drain pump integrated)

10-3. Dimensional drawing

AM090KNMDEH***

[Unit : mm]



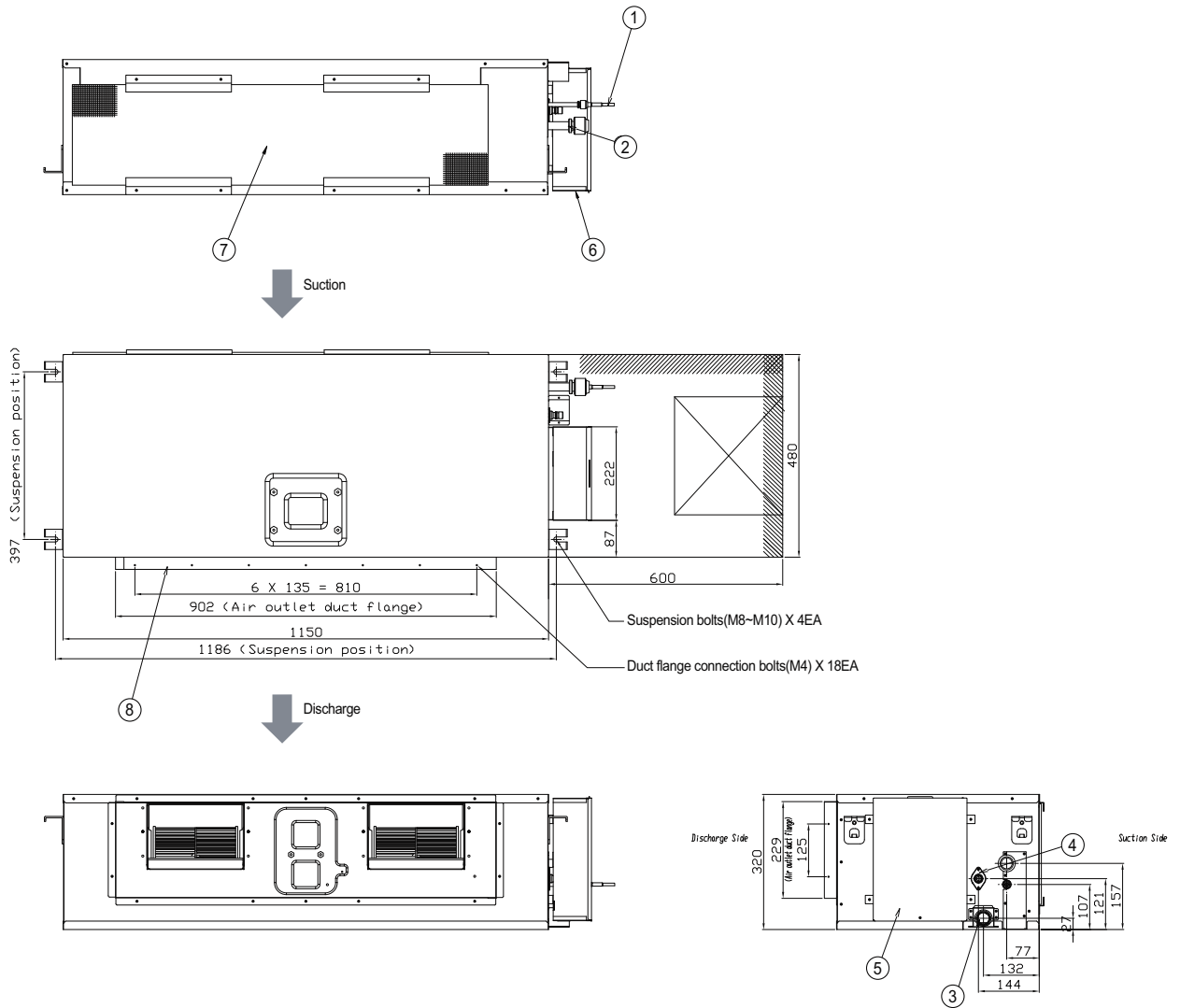
No.	Name	Description
		9.0kW
①	Liquid pipe connection	Ø9.52 Flare
②	Gas pipe connection	Ø15.88 Flare
③	Drain pipe connection without optional drain pump	N/A
④	Drain pipe connection with integrated drain pump	VP25 (OD 32, ID 25)
⑤	Control unit	-
⑥	Conduit for power supply & communication wiring	-
⑦	Return air side	-
⑧	Air outlet duct flange	-

10 MSP duct (Drain pump integrated)

10-3. Dimensional drawing

AM112KNMDEH***

[Unit : mm]

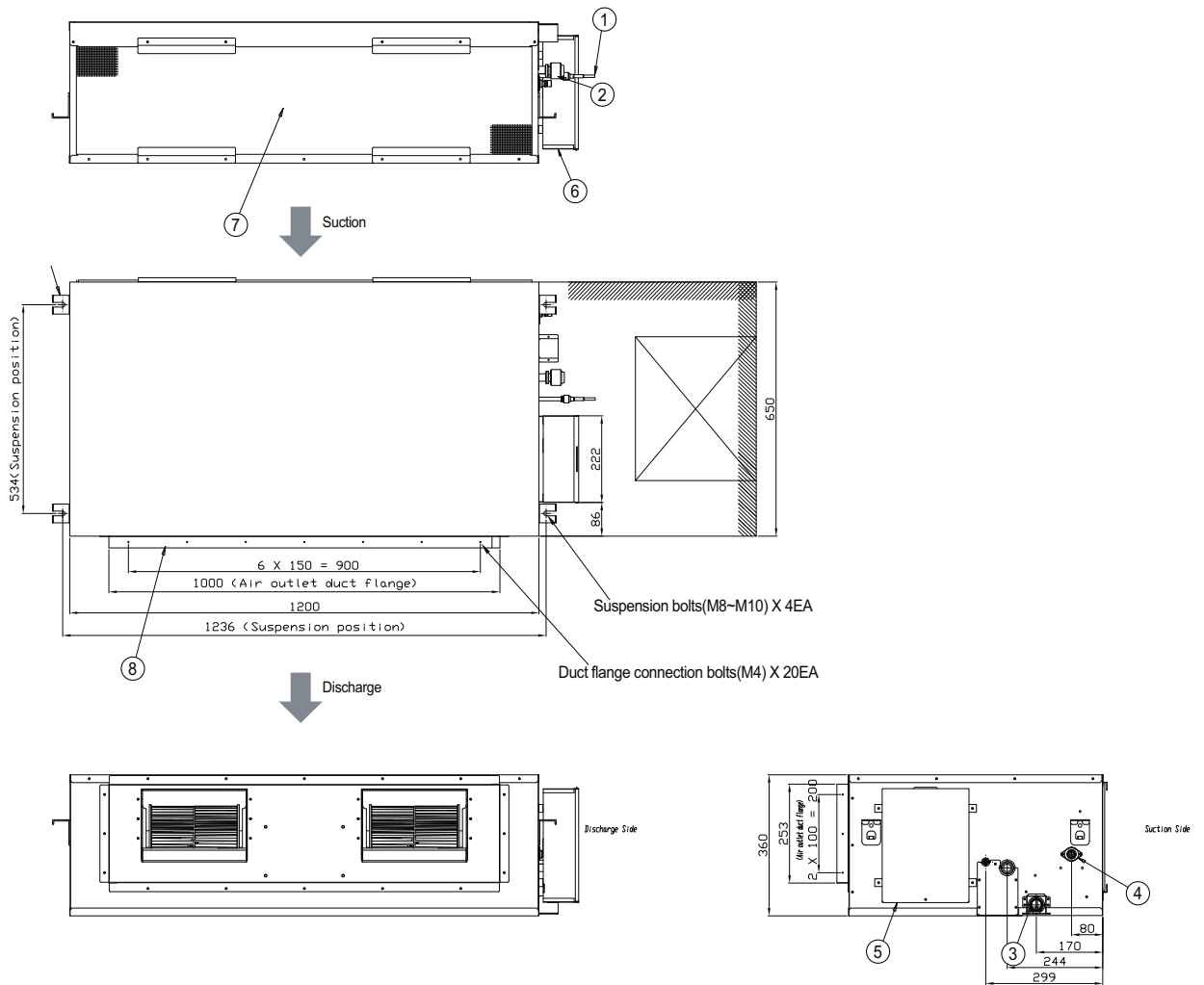


No.	Name	Description
①	Liquid pipe connection	Ø9.52 Flare
②	Gas pipe connection	Ø15.88 Flare
③	Drain pipe connection without optional drain pump	N/A
④	Drain pipe connection with integrated drain pump	VP25 (OD 32, ID 25)
⑤	Control unit	-
⑥	Conduit for power supply & communication wiring	-
⑦	Return air side	-
⑧	Air outlet duct flange	-

10 MSP duct (Drain pump integrated)

10-3. Dimensional drawing AM128/140/160KNMDEH***

[Unit : mm]

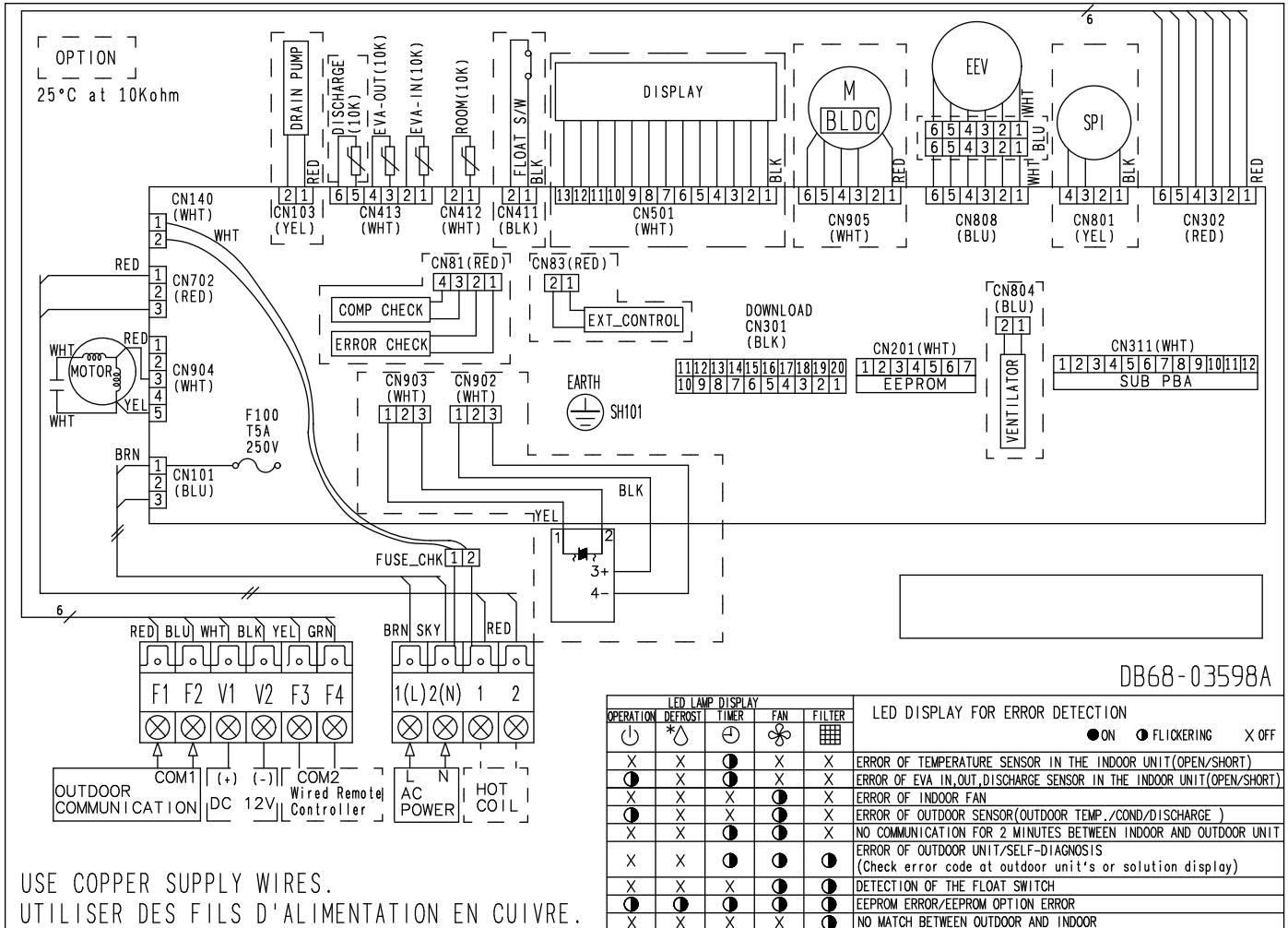


No.	Name	Description		
		12.8kW	14.0kW	16.0kW
①	Liquid pipe connection	Ø9.52 Flare		
②	Gas pipe connection	Ø15.88 Flare		
③	Drain pipe connection without optional drain pump	N/A		
④	Drain pipe connection with integrated drain pump	VP25 (OD 32, ID 25)		
⑤	Control unit	-		
⑥	Conduit for power supply & communication wiring	-		
⑦	Return air side	-		
⑧	Air outlet duct flange	-		

10 MSP duct (Drain pump integrated)

10-4. Electrical wiring diagram

AM022/028/036/045/056/071/090/112/128/140/160KNMDEH***



USE COPPER SUPPLY WIRES.
UTILISER DES FILS D'ALIMENTATION EN CUIVRE.

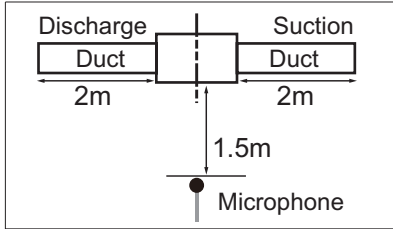
ROOM(10K)	Thermistor ROOM(10K)	EEV	electronic expansion valve	EVA-IN(10K)	Thermistor EVA IN(10K)
DISCHARGE(10K)	Thermistor DISCHARGE(10K)	SPI	S-Plasma ion	EVA-OUT(10K)	Thermistor EVA OUT(10K)

NOTE

- This wiring diagram applies only to the indoor unit.
- Symbols show as follow;
BLK : black, RED : red, BLU : blue, WHT:white, YEL : yellow, BRN : brown, SKY : sky-blue, GRN : green
- For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remotecontroller transmission F3-F4.
- Protective earth(screw)

10 MSP duct (Drain pump integrated)

10-5. Sound pressure level



Unit: dB(A)

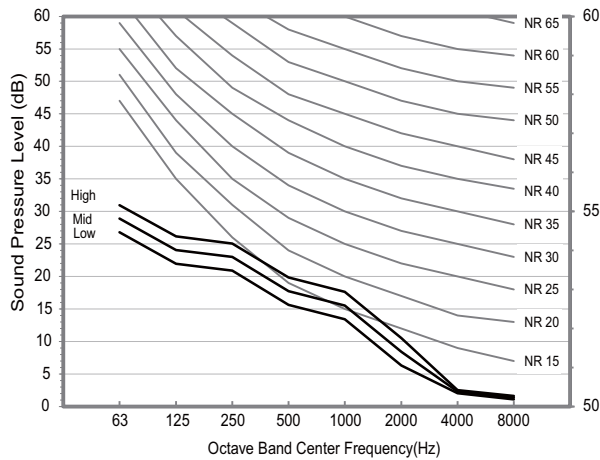
Model	High	Low
AM022KNMDEH***	23	19
AM028KNMDEH***	24	19
AM036KNMDEH***	29	24
AM045KNMDEH***	32	28

Note

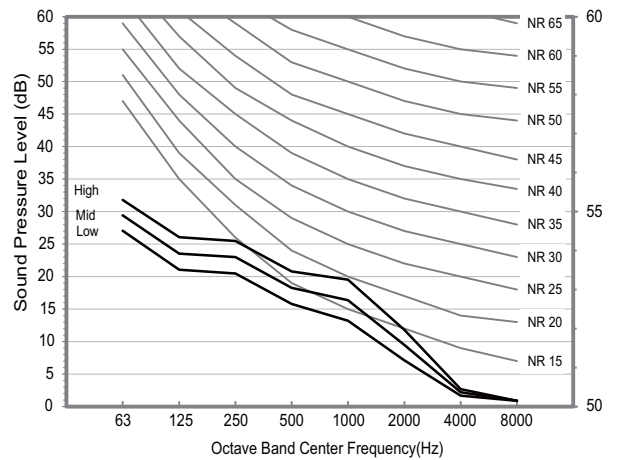
Specifications may be subject to change without prior notice.
 Sound pressure level is obtained in an anechoic room.
 Sound pressure level is a relative value, depending on the distance and acoustic environment.
 Sound pressure level may differ depending on operation condition.
 dBA = A-weighted sound pressure level
 Reference acoustic pressure 0 dB= 20 uPa

NR curve

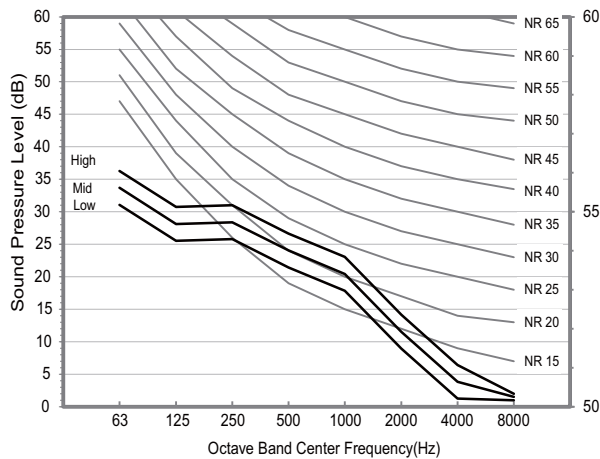
1) AM022KNMDEH***



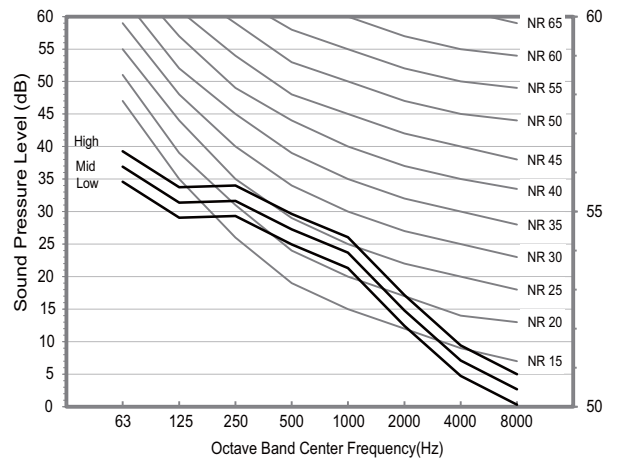
2) AM028KNMDEH***



3) AM036KNMDEH***

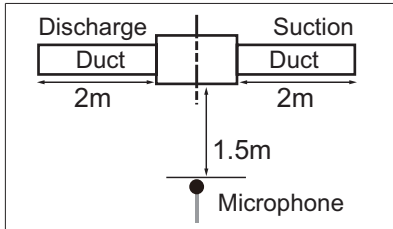


4) AM045KNMDEH***



10 MSP duct (Drain pump integrated)

10-5. Sound pressure level



Unit: dB(A)

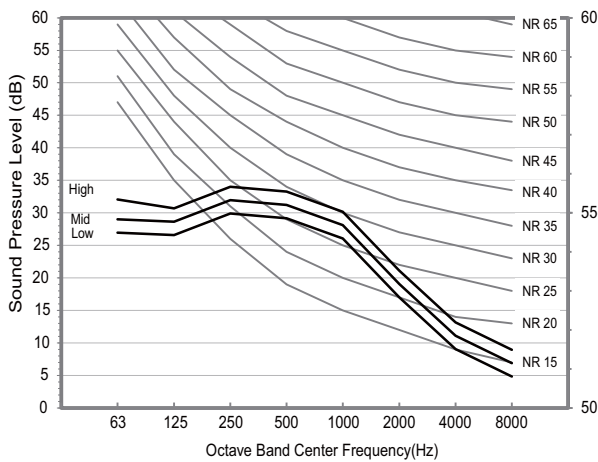
Model	High	Low
AM056KNMDEH***	35	31
AM071KNMDEH***	39	31
AM090KNMDEH***	40	34
AM112KNMDEH***	41	38

Note

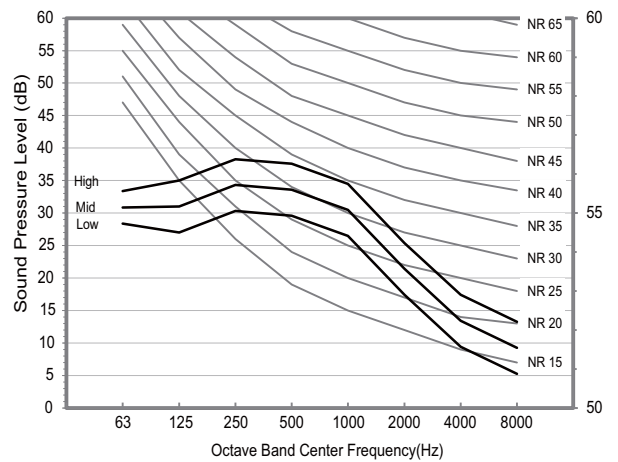
Specifications may be subject to change without prior notice.
 Sound pressure level is obtained in an anechoic room.
 Sound pressure level is a relative value, depending on the distance and acoustic environment.
 Sound pressure level may differ depending on operation condition.
 dBA = A-weighted sound pressure level
 Reference acoustic pressure 0 dB= 20 uPa

NR curve

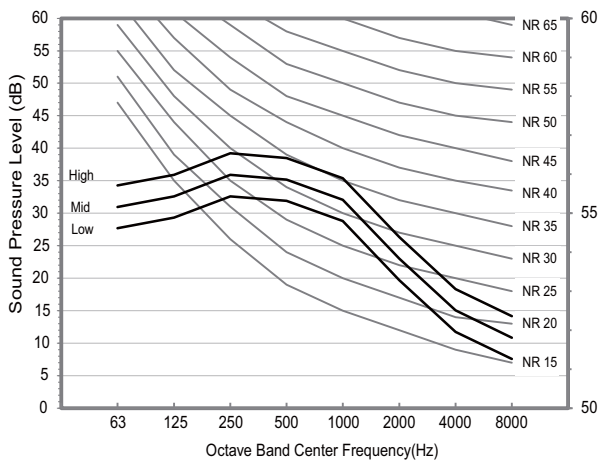
5) AM056KNMDEH***



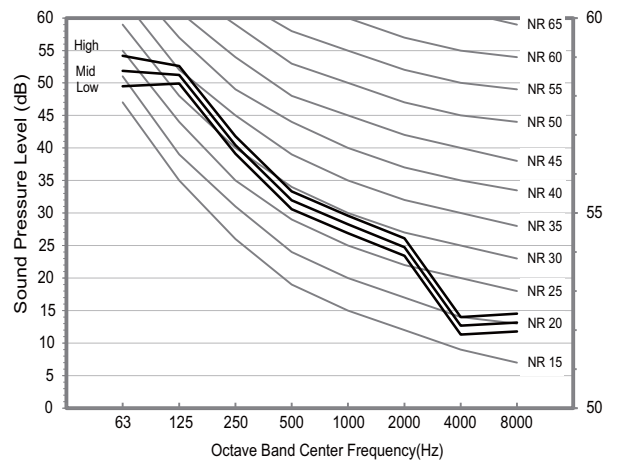
6) AM071KNMDEH***



7) AM090KNMDEH***

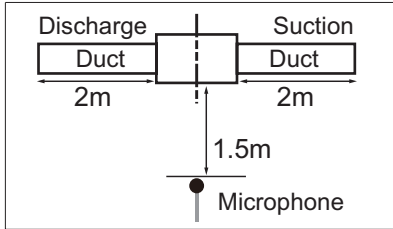


8) AM112KNMDEH***



10 MSP duct (Drain pump integrated)

10-5. Sound pressure level



Unit: dB(A)

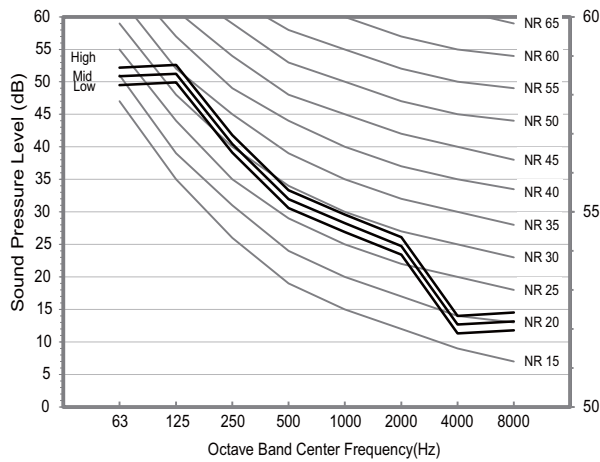
Model	High	Low
AM128KNMDEH***	41	38
AM140KNMDEH***	42	36
AM160KNMDEH1**	43	36

Note

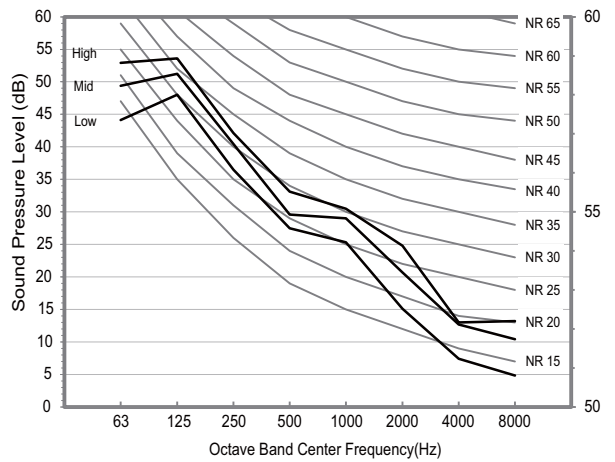
Specifications may be subject to change without prior notice.
 Sound pressure level is obtained in an anechoic room.
 Sound pressure level is a relative value, depending on the distance and acoustic environment.
 Sound pressure level may differ depending on operation condition.
 dBA = A-weighted sound pressure level
 Reference acoustic pressure 0 dB= 20 uPa

NR curve

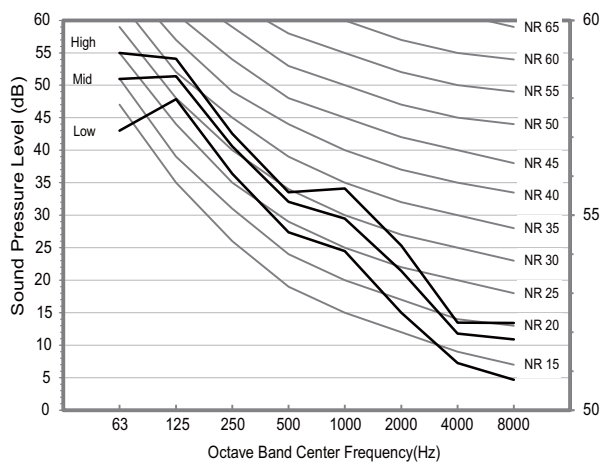
9) AM128KNMDEH***



10) AM140KNMDEH***



11) AM160KNMDEH1**

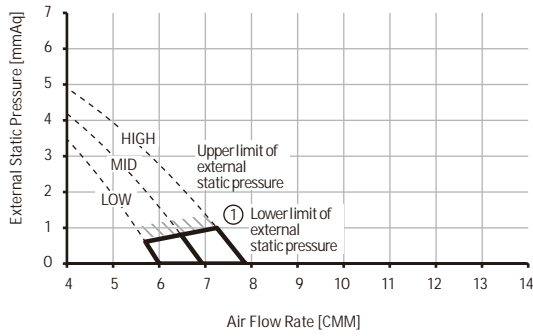


10 MSP duct (Drain pump integrated)

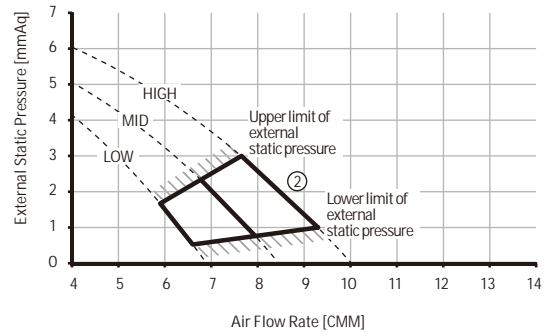
10-6. Recommended operation range

1) AM022KNMDEH/TK

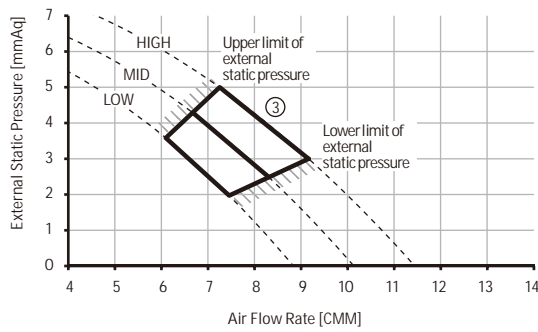
①	External Static Pressure(mmAq)	Option Code
	0	010054-1350B6-201616-331110



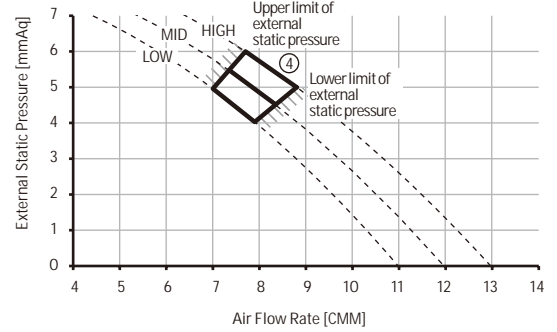
②	External Static Pressure(mmAq)	Option Code
	2	010054-1350EA-201616-331110



③	External Static Pressure(mmAq)	Option Code
	4	010054-13541E-201616-331110



④	External Static Pressure(mmAq)	Option Code
	6	010054-1355E4-201616-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

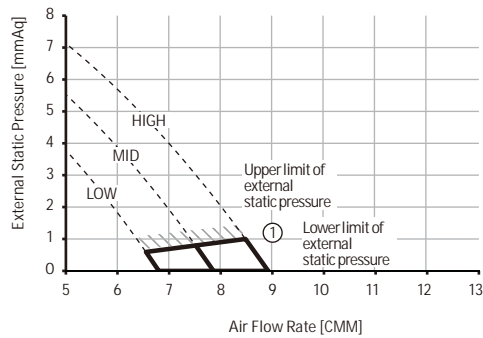
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

10 MSP duct (Drain pump integrated)

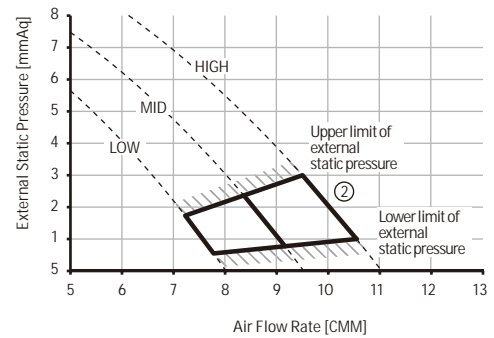
10-6. Recommended operation range

2) AM028KNMDEH/TK

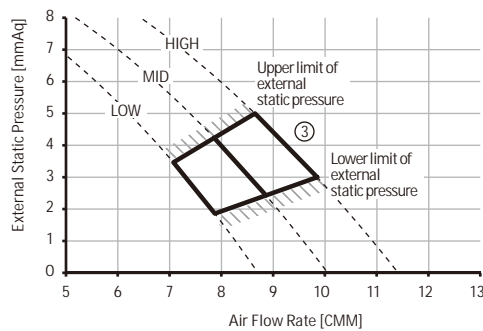
①	External Static Pressure(mmAq)	Option Code
	0	010054-1350E8-201C1C-331110



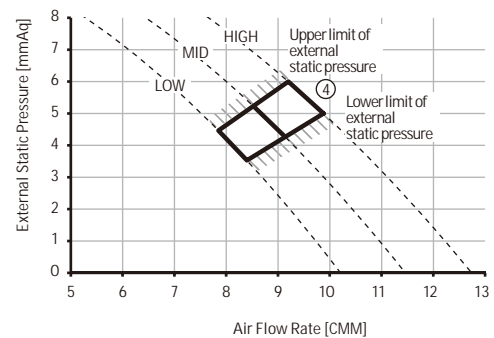
②	External Static Pressure(mmAq)	Option Code
	2	010054-13542C-201C1C-331110



③	External Static Pressure(mmAq)	Option Code
	4	010054-135562-201C1C-331110



④	External Static Pressure(mmAq)	Option Code
	6	010054-1359A9-201C1C-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

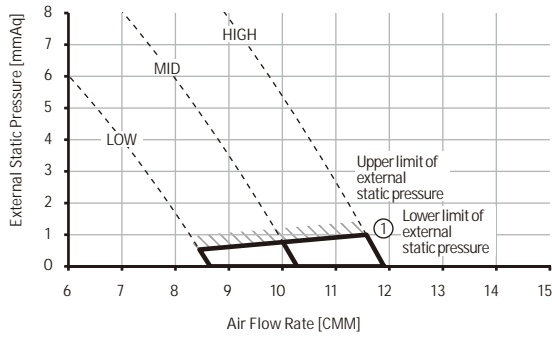
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

10 MSP duct (Drain pump integrated)

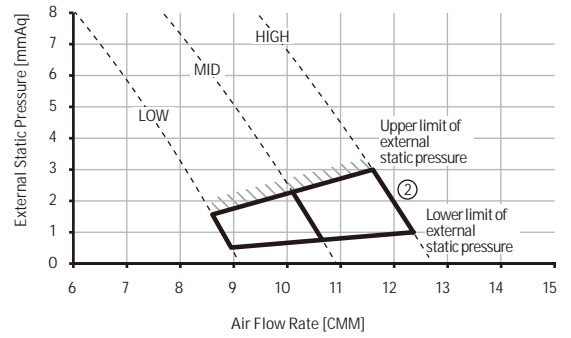
10-6. Recommended operation range

3)AM036KNMDEH/TK

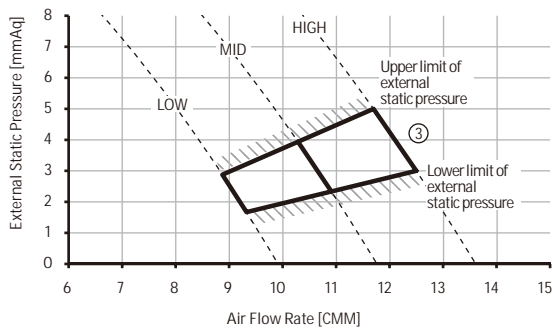
①	External Static Pressure(mmAq)	Option Code
	0	010054-1350EA-202424-331110



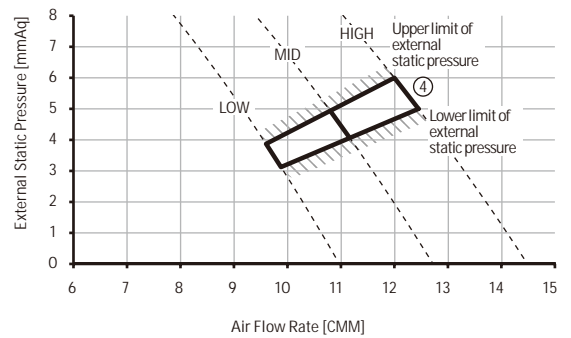
②	External Static Pressure(mmAq)	Option Code
	2	010054-1350F8-202424-331110



③	External Static Pressure(mmAq)	Option Code
	4	010054-13542C-202424-331110



④	External Static Pressure(mmAq)	Option Code
	6	010054-1354CF-202424-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

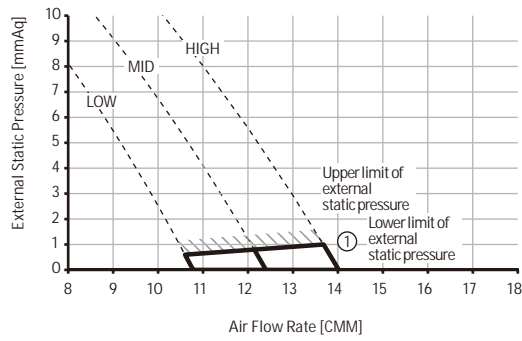
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

10 MSP duct (Drain pump integrated)

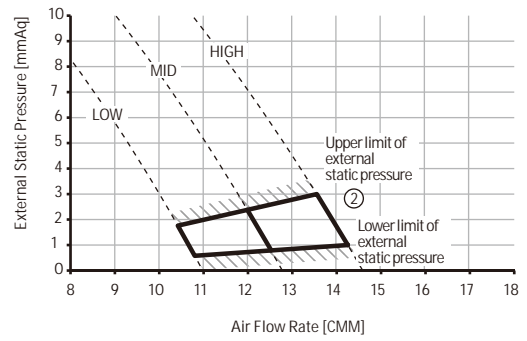
10-6. Recommended operation range

4) AM045KNMDEH/TK

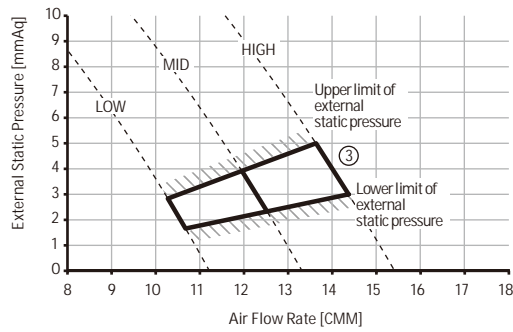
①	External Static Pressure(mmAq)	Option Code
	0	010054-125550-202D2D-331110



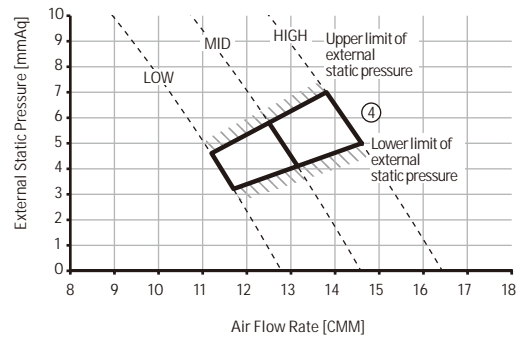
②	External Static Pressure(mmAq)	Option Code
	2	010054-125571-202D2D-331110



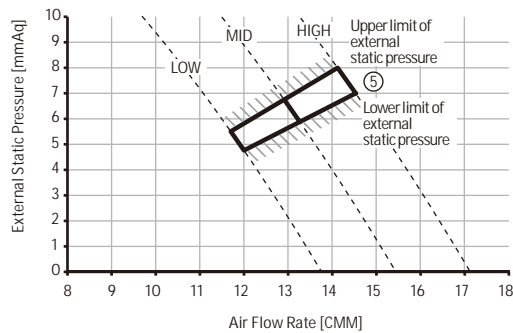
③	External Static Pressure(mmAq)	Option Code
	4	010054-125583-202D2D-331110



④	External Static Pressure(mmAq)	Option Code
	6	010054-1255A4-202D2D-331110



⑤	External Static Pressure(mmAq)	Option Code
	8	010054-125906-202D2D-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

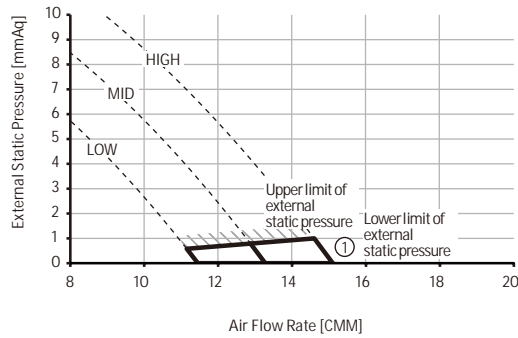
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

10 MSP duct (Drain pump integrated)

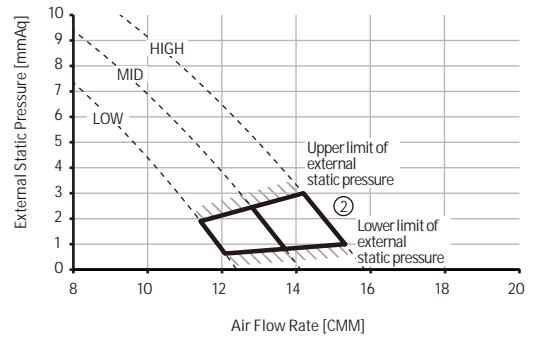
10-6. Recommended operation range

5) AM056KNMDEH/TK

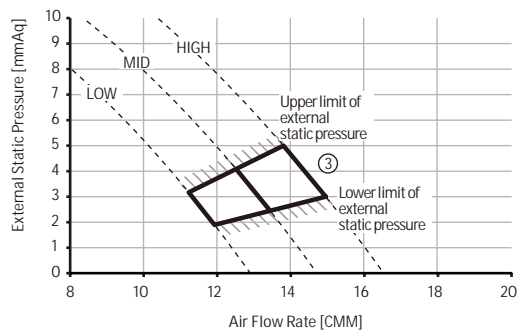
①	External Static Pressure(mmAq)	Option Code
	0	010054-125571-203838-331110



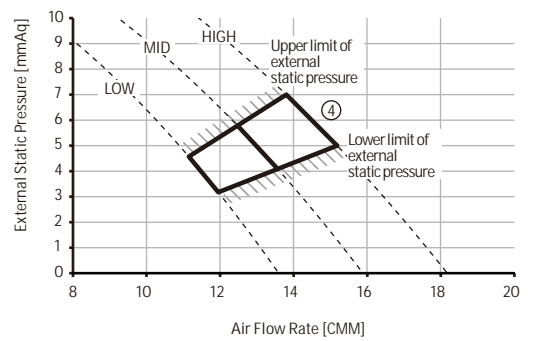
②	External Static Pressure(mmAq)	Option Code
	2	010054-125593-203838-331110



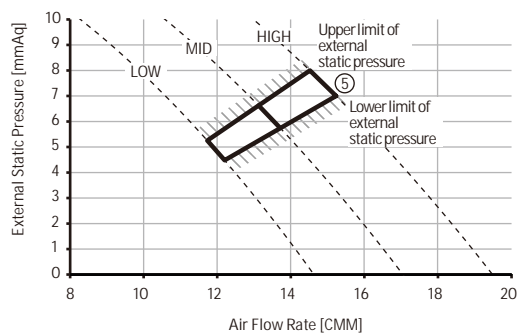
③	External Static Pressure(mmAq)	Option Code
	4	010054-1255C5-203838-331110



④	External Static Pressure(mmAq)	Option Code
	6	010054-1255F5-203838-331110



⑤	External Static Pressure(mmAq)	Option Code
	8	010054-125957-203838-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

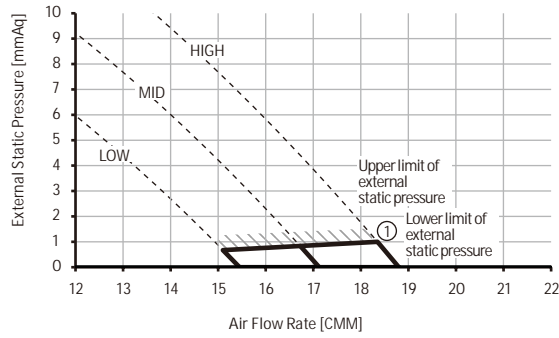
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

10 MSP duct (Drain pump integrated)

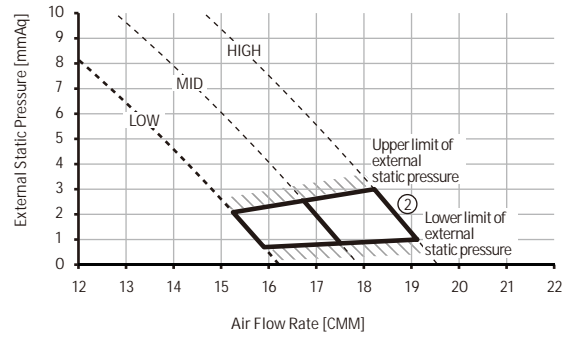
10-6. Recommended operation range

6)AM071KNMDEH/TK

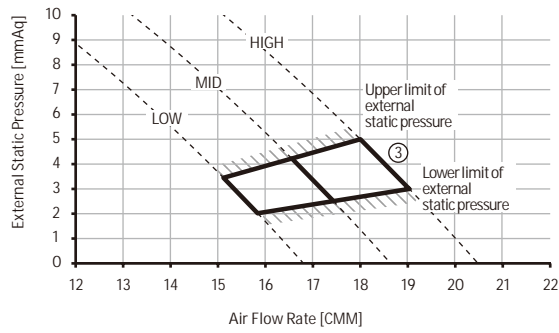
①	External Static Pressure(mmAq)	Option Code
	0	010054-125904-204747-331110



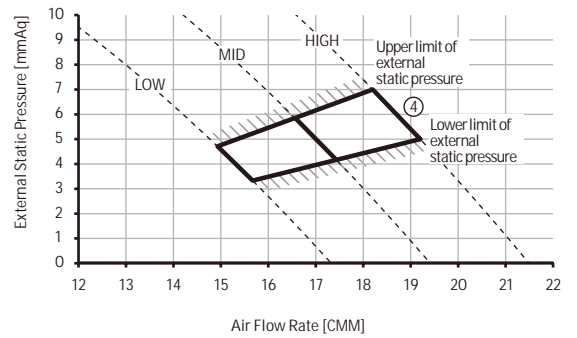
②	External Static Pressure(mmAq)	Option Code
	2	010054-125936-204747-331110



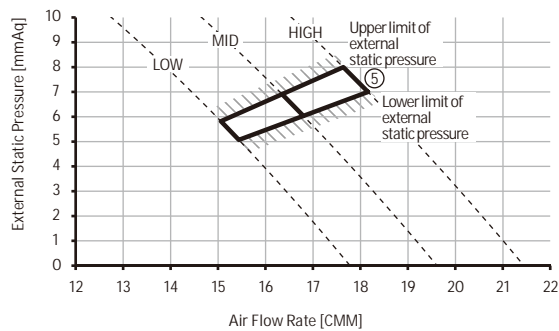
③	External Static Pressure(mmAq)	Option Code
	4	010054-125979-204747-331110



④	External Static Pressure(mmAq)	Option Code
	6	010054-125DF9-204747-331110



⑤	External Static Pressure(mmAq)	Option Code
	8	010054-125DFC-204747-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

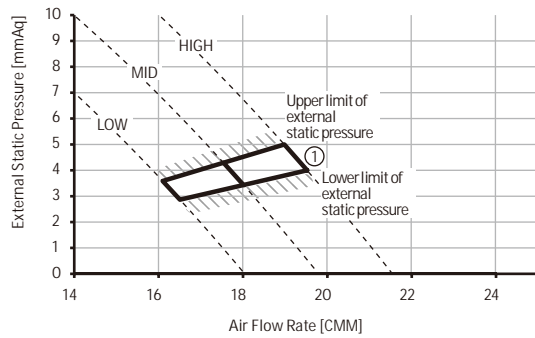
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

10 MSP duct (Drain pump integrated)

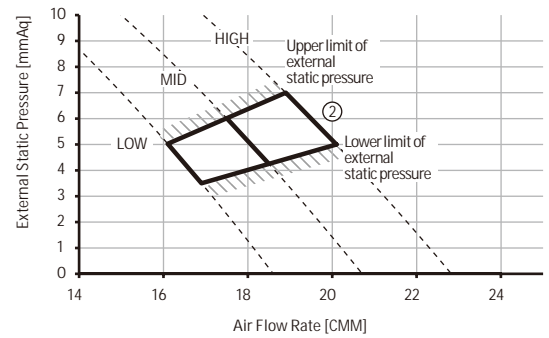
10-6. Recommended operation range

7)AM090KNMDEH/TK

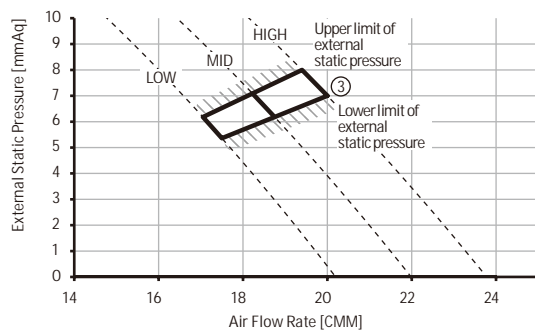
①	External Static Pressure(mmAq)	Option Code
	4	010054-125945-205A5A-331110



②	External Static Pressure(mmAq)	Option Code
	6	010054-125D29-205A5A-331110



③	External Static Pressure(mmAq)	Option Code
	8	010054-125DFD-205A5A-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

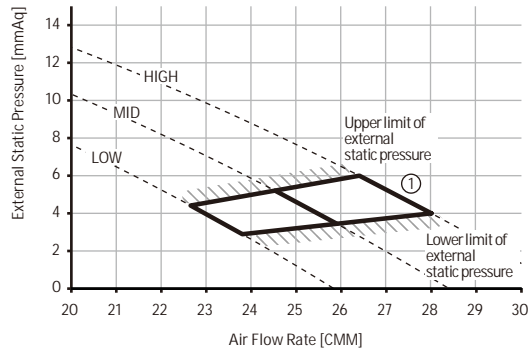
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

10 MSP duct (Drain pump integrated)

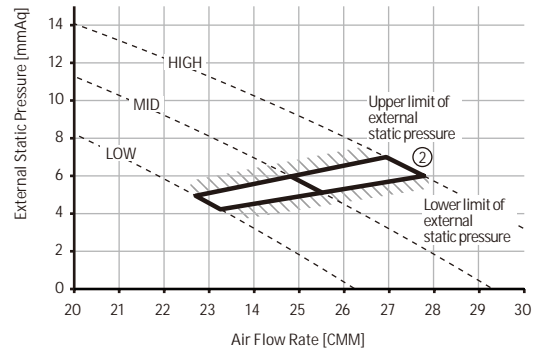
10-6. Recommended operation range

8) AM112KNMDEH/TK

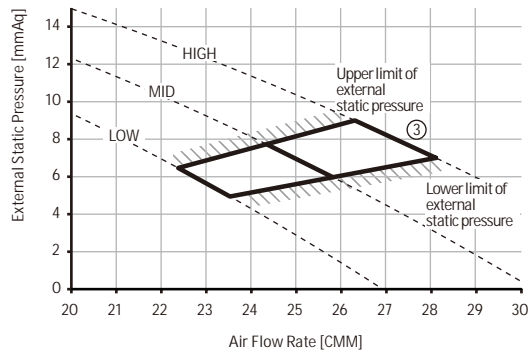
①	External Static Pressure(mmAq)	Option Code
	4	010054-122E04-207070-331110



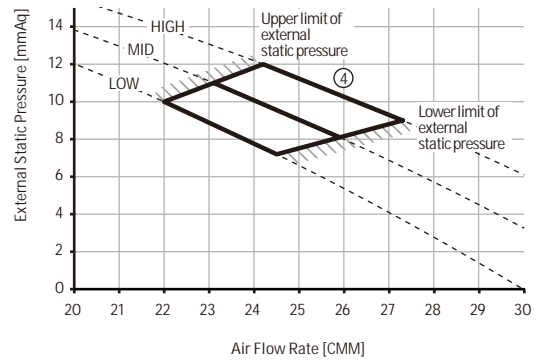
②	External Static Pressure(mmAq)	Option Code
	6	010054-122E26-207070-331110



③	External Static Pressure(mmAq)	Option Code
	8	010054-122EBB-207070-331110



④	External Static Pressure(mmAq)	Option Code
	10	010054-122FF0-207070-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

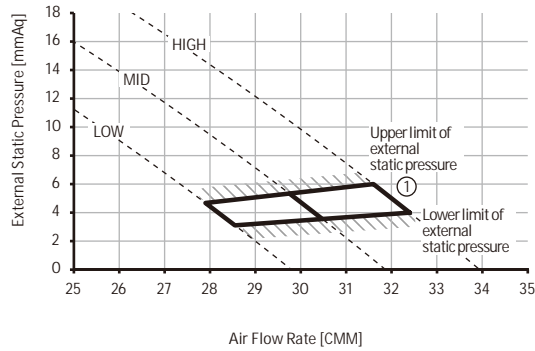
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

10 MSP duct (Drain pump integrated)

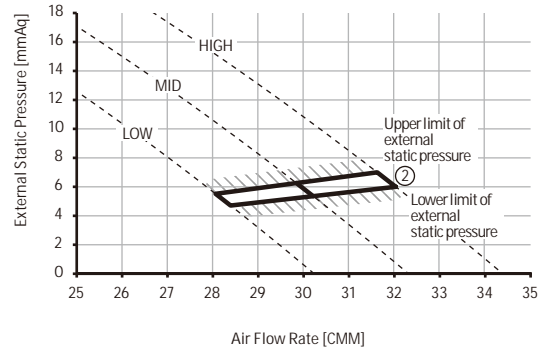
10-6. Recommended operation range

9) AM128KNMDEH/TK

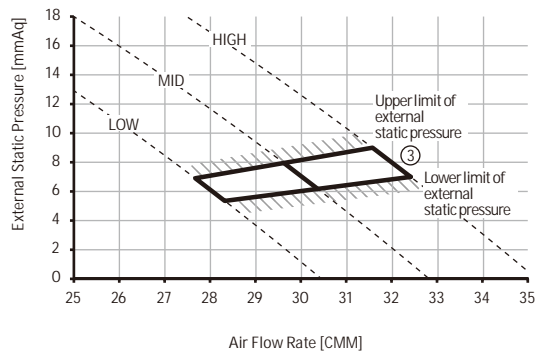
①	External Static Pressure(mmAq)	Option Code
	4	010054-12296C-208080-331110



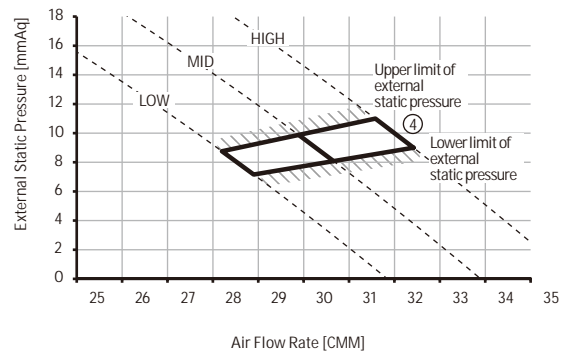
②	External Static Pressure(mmAq)	Option Code
	6	010054-12299E-208080-331110



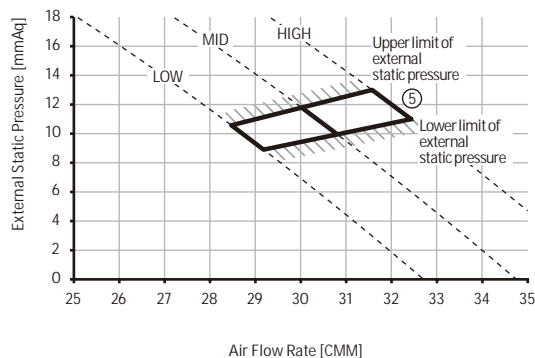
③	External Static Pressure(mmAq)	Option Code
	8	010054-122A80-208080-331110



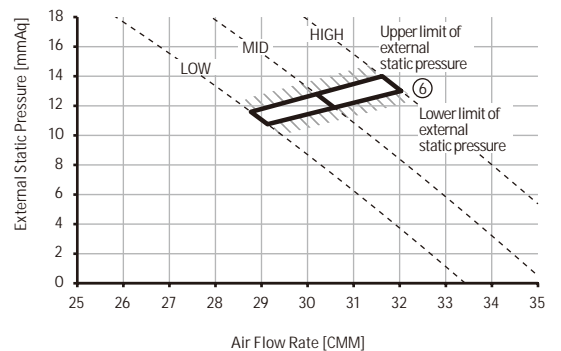
④	External Static Pressure(mmAq)	Option Code
	10	010054-122AE2-208080-331110



⑤	External Static Pressure(mmAq)	Option Code
	12	010054-122E14-208080-331110



⑥	External Static Pressure(mmAq)	Option Code
	14	010054-122E36-208080-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

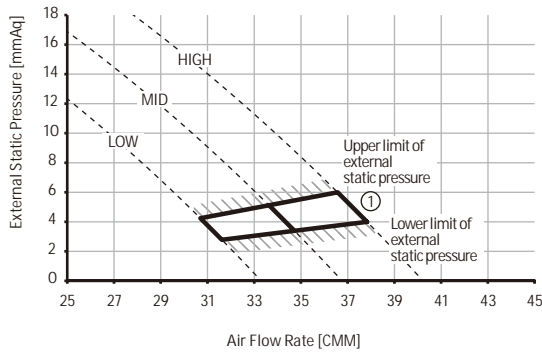
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

10 MSP duct (Drain pump integrated)

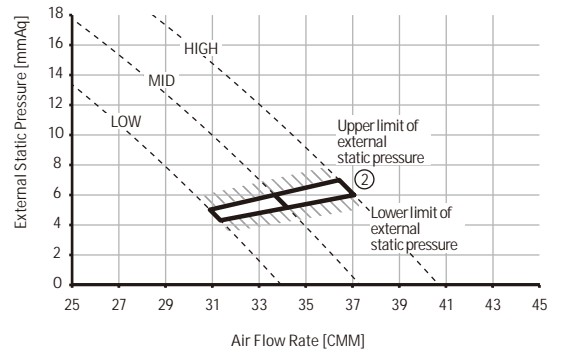
10-6. Recommended operation range

10) AM140KNMDEH/TK

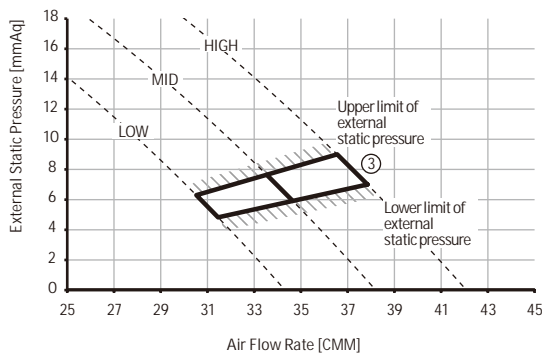
①	External Static Pressure(mmAq)	Option Code
	4	010054-1229CF-208C8C-331110



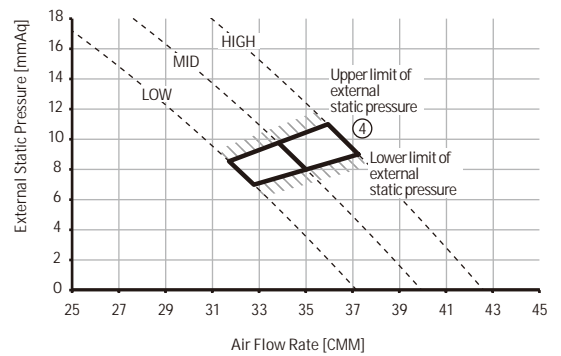
②	External Static Pressure(mmAq)	Option Code
	6	010054-122AF2-208C8C-331110



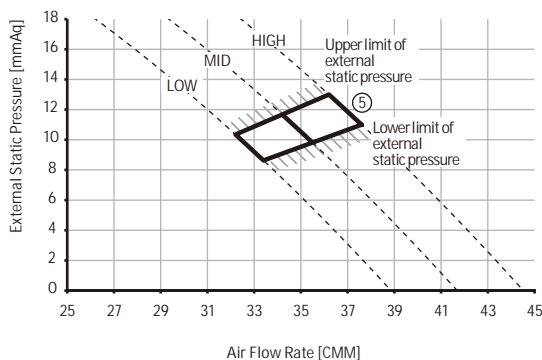
③	External Static Pressure(mmAq)	Option Code
	8	010054-122E24-208C8C-331110



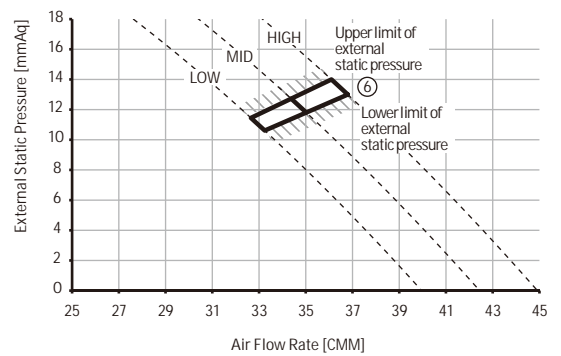
④	External Static Pressure(mmAq)	Option Code
	10	010054-122E47-208C8C-331110



⑤	External Static Pressure(mmAq)	Option Code
	12	010054-122EAA-208C8C-331110



⑥	External Static Pressure(mmAq)	Option Code
	14	010054-122EFC-208C8C-331110



Note

Adjust option CODE according to the actual installation condition (external static pressure).

ESP = External Static Pressure

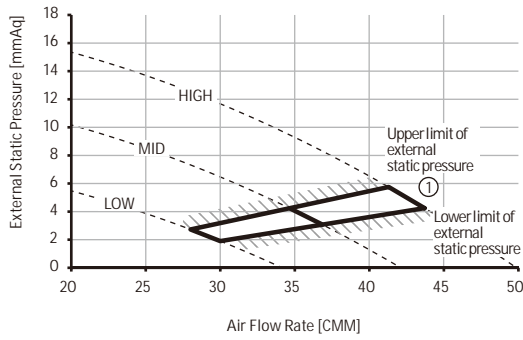
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

10 MSP duct (Drain pump integrated)

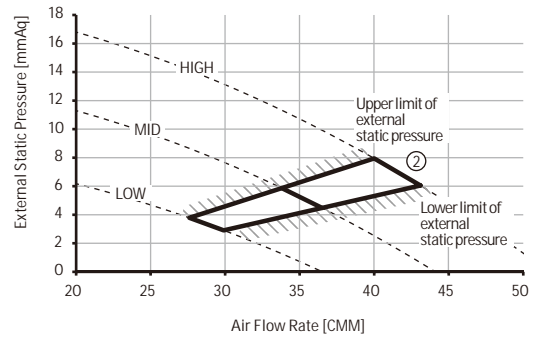
10-6. Recommended operation range

11)AM160KNMDEH1TK

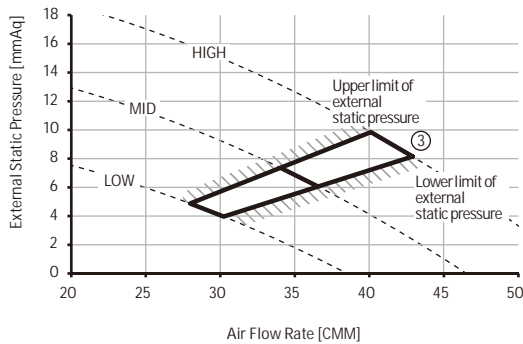
①	External Static Pressure(mmAq)	Option Code
	4	010054-125E79-20A0A0-331110



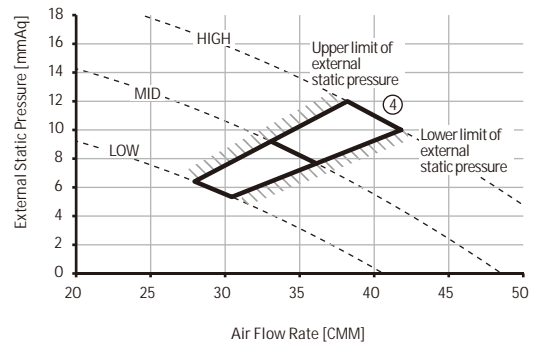
②	External Static Pressure(mmAq)	Option Code
	6	010054-125EAA-20A0A0-331110



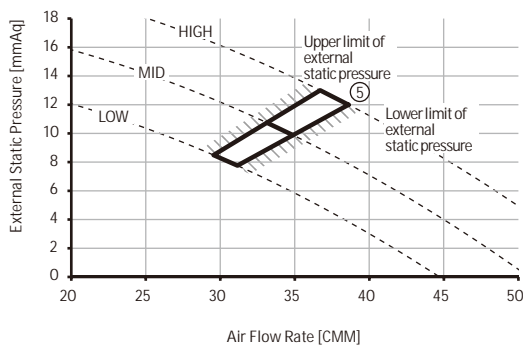
③	External Static Pressure(mmAq)	Option Code
	8	010054-125EDB-20A0A0-331110



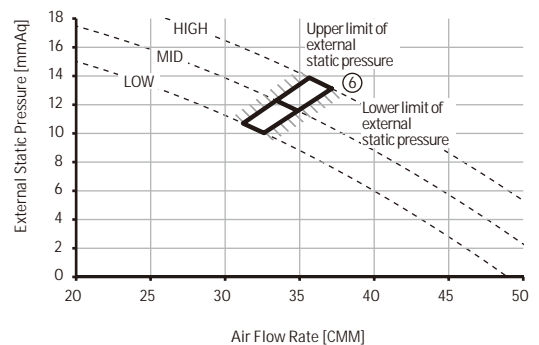
④	External Static Pressure(mmAq)	Option Code
	10	010054-125EFC-20A0A0-331110



⑤	External Static Pressure(mmAq)	Option Code
	12	010054-125EFD-20A0A0-331110



⑥	External Static Pressure(mmAq)	Option Code
	14	010054-125EFE-20A0A0-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

11 HSP duct

- 11-1. Specifications
- 11-2. Capacity tables
- 11-3. Dimensional drawing
- 11-4. Electrical wiring diagram
- 11-5. Sound pressure level
- 11-6. Recommended operation range

11-1. Specifications

Model				AM112FNHDEH***	AM128FNHDEH***	AM140FNHDEH***
Power Supply			Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50
Mode ^{*1)}			-	HP	HP	HP
Performance	Capacity (Nominal)	Cooling ^{*2)}	kW	11.2	12.8	14.0
			Btu/h	38,200	43,700	47,800
		Heating ^{*3)}	kW	12.5	13.8	16.8
			Btu/h	42,700	47,100	57,300
Power	Power Input (Nominal)	Cooling ^{*2)}	W	510	560	625
			Heating ^{*3)}	510	560	625
	Current Input (Nominal)	Cooling ^{*2)}	A	3.6	3.75	3.9
			Heating ^{*3)}	3.6	3.75	3.9
Fan	Motor	Type	-	Sirocco Fan / AC	Sirocco Fan / AC	Sirocco Fan / AC
		Output	W	-	-	-
		Number of unit	EA	2	2	2
	Air Flow Rate	H/M/L (UL)	CMM	32 / 27 / 23	35 / 31 / 26	39 / 33 / 28
			l/s	533.33/450.00/383.33	583.33/516.67/466.67	650.00/550.00/466.67
	External Pressure	Min / Std / Max	mmAq	5 / 10 / 20	5 / 10 / 20	5 / 10 / 20
			Pa	49 / 98.1 / 196.1	49 / 98.1 / 196.1	49 / 98.1 / 196.1
WG			-	-	-	
Option Code			-	010054-135591-207070-331110	010054-1355C5-208080-331110	010054-135919-208C8C-311110
Piping Connections	Liquid Pipe	Ø, mm	9.52	9.52	9.52	
		Ø, inch	3/8	3/8	3/8	
	Gas Pipe	Ø, mm	15.88	15.88	15.88	
		Ø, inch	5/8	5/8	5/8	
Drain Pipe		Ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
Field Wiring	Power Source Wire	Below 20m / over 20m	mm ²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5
	Transmission Cable		mm ²	0.75~1.5	0.75~1.5	0.75~1.5
Refrigerant	Type		-	R410A	R410A	R410A
	Control Method		-	EEV	EEV	EEV
Sound	Sound Pressure	High / Mid / Low ^{*4)}	dBA	43 / 41 / 39	44 / 42 / 40	45 / 43 / 41
Dimensions	Net Weight		kg	62	62	62
	Shipping Weight		kg	70	70	70
	Net Dimensions (W×H×D)		mm	1,200 x 360 x 650	1,200 x 360 x 650	1,200 x 360 x 650
	Shipping Dimensions (W×H×D)		mm	1,447 x 425 x 769	1,447 x 425 x 769	1,447 x 425 x 769
Panel Size	Panel model		-	-	-	-
	Panel Net Weight		kg	-	-	-
	Shipping Weight		kg	-	-	-
	Net Dimensions (W×H×D)		mm	-	-	-
	Shipping Dimensions (W×H×D)		mm	-	-	-
Additional Accessories	Drain pump	Drain pump	- / Model	Optional / MDP-M075SGU2	Optional / MDP-M075SGU2	Optional / MDP-M075SGU2
		Max. lifting Height / Displacement	mm/liter/h	750 / 24	750 / 24	750 / 24
	Air Filter		-	Long life filter	Long life filter	Long life filter

* Specifications may be subject to change without prior notice for product improvement.

*1) Mode

- HP : Heat Pump

*2) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

11-1. Specifications

Model				AM180JNHPKH/TK	AM224JNHPKH/TK	AM280FNHDEH***
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1, 2, 220-240, 50
Mode ^{*1)}			-	HP/HR	HP/HR	HP
Performance	Capacity (Nominal)	Cooling ^{*2)}	kW	18.00	22.40	28.0
			Btu/h	61,400	76,400	95,500
		Heating ^{*3)}	kW	20.00	25.00	31.5
			Btu/h	68,200	85,300	107,500
Power	Power Input (Nominal)	Cooling ^{*2)}	W	340	530	790
		Heating ^{*3)}	W	340	530	790
	Current Input (Nominal)	Cooling ^{*2)}	A	1.90	2.90	5.9
		Heating ^{*3)}	A	1.90	2.90	5.9
Fan	Motor	Type	-	Sirocco	Sirocco	Sirocco Fan
		Output	W	630	630	400
		Number of unit	EA	1	1	1
	Air Flow Rate	H/M/L (UL)	CMM	58.00 / 50.00 / 43.00	72.00 / 61.00 / 50.00	72.00 / 65.00 / 58.00
			l/s	-	-	1,200.00 / 1,083.33 / 966.67
	External Pressure	Min / Std / Max	mmAq	-	-	5.00 / 15.00 / 28.00
			Pa	49.00 / 71.93 / 196.00	49.00 / 71.93 / 196.00	49.03 / 147.10 / 274.59
WG			0.20 / 0.29 / 0.79	0.20 / 0.29 / 0.79	-	
Option Code			-	-	-	011054-19545B-231C1C-331110
Piping Connections	Liquid Pipe		Ø, mm	9.52	9.52	9.52
			Ø, inch	3/8	3/8"	3/8
	Gas Pipe		Ø, mm	19.05	19.05	22.23
			Ø, inch	3/4	3/4	7/8
Drain Pipe			Ø, mm	VP25 (OD 25, ID 20)	VP25 (OD 25, ID 20)	VP25 (OD 32, ID 25)
Field Wiring	Power Source Wire	Below 20m / over 20m	mm ²	-	-	1.5 / 2.5
	Transmission Cable		mm ²	0.75 - 1.50	0.75 - 1.50	0.75-1.5
Refrigerant	Type		-	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low ^{*4)}	dB(A)	43 / 39 / 35	44 / 40 / 36	48 / 46 / 43
Dimensions	Net Weight		kg	82.50	82.50	89
	Shipping Weight		kg	92.00	92.00	99
	Net Dimensions (WxHxD)		mm	1,350 x 450 x 910	1,350 x 450 x 910	1240 x 470 x 1040
	Shipping Dimensions (WxHxD)		mm	1,612 x 519 x 984	1,612 x 519 x 984	1507 x 558 x 1155
Panel Size	Panel model		-	-	-	-
	Panel Net Weight		kg	-	-	-
	Shipping Weight		kg	-	-	-
	Net Dimensions (WxHxD)		mm	-	-	-
	Shipping Dimensions (WxHxD)		mm	-	-	-
Additional Accessories	Drain pump	Drain pump	- / Model	MDP-G075SP (External) MDP-G075SQ (Internal)	MDP-G075SP (External) MDP-G075SQ (Internal)	MDP-N047SNC1D
		Max. lifting Height / Displacement	mm/liter/h	-	-	750 / 24
	Air Filter		-	-	-	-

* Specifications may be subject to change without prior notice for product improvement.

*1) Mode

- HP : Heat Pump

*2) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

11-2. Capacity tables

1) Cooling

TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)													
		20 (°C, DB)		23 (°C, DB)		26 (°C, DB)		27 (°C, DB)		28(°C, DB)		30 (°C, DB)		32 (°C, DB)	
		14 (°C, WB)		16 (°C, WB)		18 (°C, WB)		19 (°C, WB)		20 (°C, WB)		22 (°C, WB)		24 (°C, WB)	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
112	10	8.5	7.0	9.3	7.5	10.7	8.3	11.2	8.5	11.7	8.6	12.5	8.3	13.6	8.4
	12	8.5	7.0	9.3	7.5	10.7	8.3	11.2	8.5	11.7	8.6	12.5	8.3	13.6	8.4
	14	8.5	7.0	9.3	7.5	10.7	8.3	11.2	8.5	11.7	8.6	12.5	8.3	13.5	8.3
	16	8.5	7.0	9.3	7.5	10.7	8.3	11.2	8.5	11.7	8.6	12.5	8.3	13.5	8.3
	18	8.5	7.0	9.3	7.5	10.7	8.3	11.2	8.5	11.7	8.6	12.4	8.2	13.4	8.3
	20	8.5	7.0	9.3	7.5	10.7	8.3	11.2	8.5	11.7	8.6	12.4	8.2	13.4	8.3
	21	8.5	7.0	9.3	7.5	10.7	8.3	11.2	8.5	11.7	8.6	12.4	8.2	13.4	8.3
	23	8.5	7.0	9.3	7.5	10.7	8.3	11.2	8.5	11.7	8.6	12.4	8.2	13.4	8.3
	25	8.5	7.0	9.3	7.5	10.7	8.3	11.2	8.5	11.7	8.6	12.4	8.2	13.4	8.3
	27	8.5	7.0	9.3	7.5	10.7	8.3	11.2	8.5	11.7	8.6	12.4	8.2	13.4	8.3
	29	8.5	7.0	9.3	7.5	10.7	8.3	11.2	8.5	11.7	8.6	12.4	8.2	13.4	8.3
	31	8.5	7.0	9.3	7.5	10.7	8.3	11.2	8.5	11.7	8.6	12.4	8.2	13.4	8.3
	33	8.5	7.0	9.3	7.5	10.7	8.3	11.2	8.5	11.7	8.6	12.4	8.2	13.4	8.3
	35	8.5	7.0	9.3	7.5	10.7	8.3	11.2	8.5	11.7	8.6	12.4	8.2	13.4	8.3
	37	8.5	7.0	9.3	7.5	10.7	8.3	11.2	8.5	11.7	8.6	12.3	8.2	13.2	8.2
	39	8.5	7.0	9.3	7.5	10.7	8.3	11.2	8.5	11.6	8.5	12.1	8.0	13.0	8.0
42	8.5	7.0	9.3	7.5	10.7	8.3	10.9	8.3	11.3	8.3	11.6	7.7	12.6	7.8	
44	8.5	7.0	9.3	7.5	10.7	8.3	10.9	8.3	11.3	8.3	11.6	7.7	12.4	7.7	
46	8.5	6.8	9.2	7.2	9.8	7.4	10.0	7.4	10.7	7.7	11.0	7.1	11.7	7.0	
128	10	9.7	8.0	10.4	8.3	12.0	8.9	12.8	10.0	13.3	10.0	14.3	9.8	15.4	9.8
	12	9.7	8.0	10.4	8.3	12.0	8.9	12.8	10.0	13.3	10.0	14.3	9.8	15.3	9.7
	14	9.7	8.0	10.4	8.3	12.0	8.9	12.8	10.0	13.3	10.0	14.3	9.8	15.3	9.7
	16	9.7	8.2	10.4	8.3	12.0	8.9	12.8	10.0	13.3	10.0	14.2	9.7	15.2	9.6
	18	9.7	8.2	10.4	8.3	12.0	8.9	12.8	10.0	13.3	10.0	14.2	9.7	15.1	9.6
	20	9.7	8.2	10.4	8.3	12.0	8.9	12.8	10.0	13.3	10.0	14.2	9.7	15.1	9.6
	21	9.7	8.2	10.4	8.3	12.0	8.9	12.8	10.0	13.3	10.0	14.2	9.7	15.1	9.6
	23	9.7	8.2	10.4	8.3	12.0	8.9	12.8	10.0	13.3	10.0	14.2	9.7	15.1	9.6
	25	9.7	8.2	10.4	8.3	12.0	8.9	12.8	10.0	13.3	10.0	14.2	9.7	15.1	9.6
	27	9.7	8.2	10.4	8.3	12.0	8.9	12.8	10.0	13.3	10.0	14.2	9.7	15.1	9.6
	29	9.7	8.2	10.4	8.3	12.0	8.9	12.8	10.0	13.3	10.0	14.2	9.7	15.1	9.6
	31	9.7	8.2	10.4	8.3	12.0	8.9	12.8	10.0	13.3	10.0	14.2	9.7	15.1	9.6
	33	9.7	8.2	10.4	8.3	12.0	8.9	12.8	10.0	13.3	10.0	14.2	9.7	15.1	9.6
	35	9.7	8.2	10.4	8.3	12.0	8.9	12.8	10.0	13.3	10.0	14.2	9.7	15.1	9.6
	37	9.7	8.2	10.4	8.3	12.0	8.9	12.8	10.0	13.2	9.9	14.0	9.6	14.9	9.4
	39	9.7	8.2	10.4	8.3	12.0	8.9	12.8	10.0	13.1	9.8	13.8	9.4	14.5	9.2
42	9.7	8.2	10.4	8.3	12.0	8.9	12.4	9.7	12.7	9.5	13.2	9.0	13.7	8.7	
44	9.7	8.2	10.4	8.3	12.0	8.9	12.4	9.7	12.7	9.5	13.2	9.0	13.7	8.7	
46	9.7	8.0	10.3	8.0	10.8	7.8	11.2	8.5	12.1	8.8	12.5	8.3	12.9	7.9	
140	10	10.5	9.1	11.6	9.9	13.3	10.9	14.0	11.2	14.7	11.3	15.7	11.0	16.8	10.9
	12	10.5	9.1	11.6	9.9	13.3	10.9	14.0	11.2	14.6	11.2	15.6	10.9	16.7	10.9
	14	10.5	9.1	11.6	9.9	13.3	10.9	14.0	11.2	14.6	11.2	15.6	10.9	16.7	10.9
	16	10.5	9.1	11.6	9.9	13.3	10.9	14.0	11.2	14.6	11.2	15.6	10.9	16.6	10.8
	18	10.5	9.1	11.6	9.9	13.3	10.9	14.0	11.2	14.6	11.2	15.5	10.9	16.6	10.8
	20	10.5	9.1	11.6	9.9	13.3	10.9	14.0	11.2	14.6	11.2	15.5	10.9	16.5	10.7
	21	10.5	9.1	11.6	9.9	13.3	10.9	14.0	11.2	14.6	11.2	15.5	10.9	16.5	10.7
	23	10.5	9.1	11.6	9.9	13.3	10.9	14.0	11.2	14.6	11.2	15.5	10.9	16.5	10.7
	25	10.5	9.1	11.6	9.9	13.3	10.9	14.0	11.2	14.6	11.2	15.5	10.9	16.5	10.7
	27	10.5	9.1	11.6	9.9	13.3	10.9	14.0	11.2	14.6	11.2	15.5	10.9	16.5	10.7
	29	10.5	9.1	11.6	9.9	13.3	10.9	14.0	11.2	14.6	11.2	15.5	10.9	16.5	10.7
	31	10.5	9.1	11.6	9.9	13.3	10.9	14.0	11.2	14.6	11.2	15.5	10.9	16.5	10.7
	33	10.5	9.1	11.6	9.9	13.3	10.9	14.0	11.2	14.6	11.2	15.5	10.9	16.5	10.7
	35	10.5	9.1	11.6	9.9	13.3	10.9	14.0	11.2	14.6	11.2	15.5	10.9	16.5	10.7
	37	10.5	9.1	11.6	9.9	13.3	10.9	14.0	11.2	14.6	11.2	15.4	10.8	16.3	10.6
	39	10.5	9.1	11.6	9.9	13.3	10.9	14.0	11.2	14.5	11.2	15.1	10.6	15.9	10.3
42	10.5	9.1	11.6	9.9	13.3	10.9	13.6	10.9	14.1	10.9	14.4	10.1	15.0	9.8	
44	10.5	9.1	11.6	9.9	13.3	10.9	13.6	10.9	14.1	10.9	14.4	10.1	15.0	9.8	
46	10.5	8.9	11.5	9.6	12.2	9.8	12.5	9.8	13.4	10.1	13.7	9.3	14.1	8.9	

11-2. Capacity tables

1) Cooling

TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)													
		20 (°C, DB)		23 (°C, DB)		26 (°C, DB)		27 (°C, DB)		28(°C, DB)		30 (°C, DB)		32 (°C, DB)	
		14 (°C, WB)		16 (°C, WB)		18 (°C, WB)		19 (°C, WB)		20 (°C, WB)		22 (°C, WB)		24 (°C, WB)	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
180	10	12.76	10.21	15.02	11.42	17.05	12.79	18.00	13.50	19.10	12.41	21.06	12.64	22.31	12.94
	12	12.76	10.21	15.02	11.42	17.05	12.79	18.00	13.50	19.10	12.41	21.06	12.64	22.31	12.94
	14	12.76	10.21	15.02	11.42	17.05	12.79	18.00	13.50	19.10	12.41	21.06	12.64	22.31	12.94
	16	12.76	10.21	15.02	11.42	17.05	12.79	18.00	13.50	19.10	12.41	21.06	12.64	22.31	12.94
	18	12.76	10.21	15.02	11.42	17.05	12.79	18.00	13.50	19.10	12.41	21.06	12.64	22.31	12.88
	20	12.76	10.21	15.02	11.42	17.05	12.79	18.00	13.50	19.10	12.41	21.06	12.64	21.90	12.70
	21	12.76	10.21	15.02	11.42	17.05	12.79	18.00	13.50	19.10	12.41	21.06	12.64	21.92	12.71
	23	12.76	10.21	15.02	11.42	17.05	12.79	18.00	13.50	19.10	12.41	21.06	12.64	21.61	12.53
	25	12.76	10.21	15.02	11.42	17.05	12.79	18.00	13.50	19.10	12.41	21.06	12.64	21.54	12.49
	27	12.76	10.21	15.02	11.42	17.05	12.79	18.00	13.50	19.10	12.41	21.06	12.64	21.54	12.49
	29	12.76	10.21	15.02	11.42	17.05	12.79	18.00	13.50	19.10	12.41	21.06	12.64	21.54	12.49
	31	12.76	10.21	15.02	11.42	17.05	12.79	18.00	13.50	19.10	12.41	21.06	12.64	21.54	12.49
	33	12.76	10.21	15.02	11.42	17.05	12.79	18.00	13.50	19.10	12.41	21.06	12.64	21.54	12.49
	35	12.76	10.21	15.02	11.42	17.05	12.79	18.00	13.50	19.10	12.41	21.06	12.64	21.54	12.49
	37	12.58	10.06	14.81	11.26	16.90	12.68	18.00	13.50	19.00	12.35	20.77	12.46	21.23	12.31
	39	12.42	9.94	14.62	11.11	16.90	12.68	17.90	13.42	19.00	12.35	20.52	12.31	20.96	12.16
42	12.19	9.75	14.35	10.91	16.59	12.65	17.57	13.18	18.66	12.13	20.15	12.09	20.57	11.93	
44	12.01	9.61	14.14	10.75	16.35	12.27	17.32	12.99	18.39	11.95	19.86	11.92	20.27	11.75	
46	11.78	9.43	13.87	10.54	16.04	12.03	16.99	12.75	18.05	11.73	19.49	11.69	19.87	11.53	
224	10	15.96	11.97	18.75	13.68	21.24	15.29	22.40	15.68	23.79	16.18	25.99	15.85	27.53	15.69
	12	15.96	11.97	18.75	13.68	21.24	15.29	22.40	15.68	23.79	16.18	25.99	15.85	27.53	15.69
	14	15.96	11.97	18.75	13.68	21.24	15.29	22.40	15.68	23.79	16.18	25.99	15.85	27.53	15.69
	16	15.96	11.97	18.75	13.68	21.24	15.29	22.40	15.68	23.79	16.18	25.99	15.85	27.53	15.69
	18	15.96	11.97	18.75	13.68	21.24	15.29	22.40	15.68	23.79	16.18	25.99	15.85	27.53	15.69
	20	15.96	11.97	18.75	13.68	21.24	15.29	22.40	15.68	23.79	16.18	25.99	15.85	27.24	15.53
	21	15.96	11.97	18.75	13.68	21.24	15.29	22.40	15.68	23.79	16.18	25.99	15.85	27.19	15.50
	23	15.96	11.97	18.75	13.68	21.24	15.29	22.40	15.68	23.79	16.18	25.99	15.85	26.77	15.26
	25	15.96	11.97	18.75	13.68	21.24	15.29	22.40	15.68	23.79	16.18	25.99	15.85	26.77	15.26
	27	15.96	11.97	18.75	13.68	21.24	15.29	22.40	15.68	23.79	16.18	25.99	15.85	26.77	15.26
	29	15.96	11.97	18.75	13.68	21.24	15.29	22.40	15.68	23.79	16.18	25.99	15.85	26.77	15.26
	31	15.96	11.97	18.75	13.68	21.24	15.29	22.40	15.68	23.79	16.18	25.99	15.85	26.77	15.26
	33	15.96	11.97	18.75	13.68	21.24	15.29	22.40	15.68	23.79	16.18	25.99	15.85	26.77	15.26
	35	15.96	11.97	18.75	13.68	21.24	15.29	22.40	15.68	23.79	16.18	25.99	15.85	26.77	15.26
	37	15.74	11.80	18.48	13.49	21.01	15.13	22.40	15.68	23.69	16.11	25.63	15.63	26.39	15.04
	39	15.54	11.66	18.25	13.32	21.01	15.13	22.30	15.61	23.54	16.00	25.32	15.44	26.06	14.85
42	15.26	11.44	17.92	13.08	20.63	14.85	21.90	15.33	23.12	15.72	24.86	15.17	25.57	14.58	
44	15.04	11.28	17.66	12.89	20.34	14.64	21.59	15.11	22.79	15.50	24.51	14.95	25.20	14.36	
46	14.76	11.07	17.32	12.65	19.95	14.37	21.19	14.83	22.37	15.21	24.06	14.67	24.71	14.09	
280	10	19.7	17.6	23.3	19.6	26.5	21.2	28.0	21.8	29.9	22.6	32.7	23.0	34.7	23.2
	12	19.7	17.6	23.3	19.6	26.5	21.2	28.0	21.8	29.9	22.8	32.7	23.1	34.7	23.4
	14	19.7	17.6	23.3	19.6	26.5	21.2	28.0	21.8	29.9	22.8	32.7	23.1	34.7	23.0
	16	19.7	17.6	23.3	19.6	26.5	21.2	28.0	21.8	29.9	22.8	32.7	23.1	34.7	23.3
	18	19.7	17.6	23.3	19.6	26.5	21.2	28.0	21.8	29.9	22.8	32.7	23.0	34.7	23.1
	20	19.7	17.6	23.3	19.6	26.5	21.2	28.0	21.8	29.9	22.8	32.7	23.0	34.3	23.0
	21	19.7	17.6	23.3	19.6	26.5	21.2	28.0	21.8	29.9	22.8	32.7	23.0	34.3	22.9
	23	19.7	17.6	23.3	19.6	26.5	21.2	28.0	21.8	29.9	22.8	32.7	23.2	33.7	22.6
	25	19.7	17.6	23.3	19.6	26.5	21.2	28.0	21.8	29.9	22.8	32.7	23.0	33.7	22.8
	27	19.7	17.6	23.3	19.6	26.5	21.2	28.0	21.8	29.9	22.8	32.7	23.0	33.7	22.8
	29	19.7	17.6	23.3	19.6	26.5	21.2	28.0	21.8	29.9	22.8	32.7	23.0	33.7	22.8
	31	19.7	17.6	23.3	19.6	26.5	21.2	28.0	21.8	29.9	22.8	32.7	23.2	33.7	22.8
	33	19.7	17.6	23.3	19.6	26.5	21.2	28.0	21.8	29.9	22.8	32.7	23.5	33.7	22.8
	35	19.7	17.6	23.3	19.6	26.5	21.2	28.0	21.8	29.9	22.6	32.7	23.5	33.7	23.0
	37	19.4	17.3	23.0	19.3	26.3	20.9	28.0	21.8	29.7	22.7	32.2	23.1	33.2	22.5
	39	19.2	17.1	22.7	19.1	26.3	20.9	27.9	21.6	29.5	22.5	31.8	23.4	32.8	22.4
42	18.8	16.8	22.2	18.7	25.8	20.5	27.4	21.3	29.0	22.2	31.2	22.9	32.2	22.1	
44	18.5	16.5	21.9	18.4	25.4	20.2	27.0	21.0	28.6	21.9	30.8	22.6	31.7	21.8	
46	18.5	16.1	21.7	17.8	23.1	17.9	24.5	18.6	27.2	20.3	29.3	20.9	29.8	19.9	

11-2. Capacity tables

2) Heating

TC : Total Capacity(kW)

Model	Outdoor temperature (°C, DB)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC kW	TC kW	TC kW	TC kW	TC kW
112	-20	-21	7.2	6.9	6.6	6.5	6.5
	-17	-18	8.0	7.6	7.4	7.3	7.3
	-15	-16	8.4	8.1	7.9	7.7	7.5
	-12	-13	8.8	8.6	8.4	8.2	8.1
	-10	-11	9.2	9.0	8.9	8.8	8.7
	-7	-8	9.7	9.6	9.4	9.2	9.0
	-5	-6	10.2	10.1	9.9	9.6	9.3
	-3	-4	10.7	10.6	10.5	10.1	9.7
	0	-1	11.3	11.1	11.1	10.5	10.0
	3	2.2	11.8	11.6	11.5	11.0	10.6
	5	4.1	12.3	12.2	12.0	11.3	10.6
	7	6	12.9	12.7	12.5	11.5	10.6
	9	7.9	13.3	12.9	12.5	11.5	10.6
	11	9.8	13.7	13.1	12.5	11.5	10.6
	13	12	14.0	13.3	12.5	11.5	10.6
15	14	14.4	13.5	12.5	11.5	10.6	
128	-20	-21	7.9	7.7	7.3	7.2	7.2
	-17	-18	8.8	8.5	8.1	8.0	8.0
	-15	-16	9.2	9.0	8.7	8.5	8.2
	-12	-13	9.7	9.5	9.3	9.1	8.9
	-10	-11	10.1	10.0	9.9	9.7	9.6
	-7	-8	10.7	10.6	10.4	10.2	10.0
	-5	-6	11.3	11.1	11.0	10.7	10.3
	-3	-4	11.9	11.7	11.5	11.1	10.7
	0	-1	12.4	12.3	12.1	11.6	11.0
	3	2.2	13.0	12.9	12.7	12.2	11.7
	5	4.1	13.6	13.4	13.2	12.4	11.7
	7	6	14.2	14.0	13.8	12.7	11.7
	9	7.9	14.6	14.2	13.8	12.7	11.7
	11	9.8	15.1	14.4	13.8	12.7	11.7
	13	12	15.5	14.7	13.8	12.7	11.7
15	14	15.9	14.9	13.8	12.7	11.7	
140	-20	-21	9.2	8.9	8.5	8.4	8.4
	-17	-18	10.2	9.8	9.4	9.3	9.3
	-15	-16	10.7	10.4	10.1	9.8	9.5
	-12	-13	11.2	11.0	10.8	10.6	10.3
	-10	-11	11.7	11.6	11.4	11.3	11.1
	-7	-8	12.4	12.2	12.1	11.8	11.5
	-5	-6	13.1	12.9	12.7	12.3	12.0
	-3	-4	13.8	13.6	13.4	12.9	12.4
	0	-1	14.4	14.2	14.0	13.4	12.8
	3	2.2	15.1	14.9	14.7	14.1	13.5
	5	4.1	15.8	15.6	15.3	14.4	13.5
	7	6	16.5	16.2	16.0	14.8	13.5
	9	7.9	17.0	16.5	16.0	14.8	13.5
	11	9.8	17.5	16.7	16.0	14.8	13.5
	13	12	18.0	17.0	16.0	14.8	13.5
15	14	18.5	17.2	16.0	14.8	13.5	

11-2. Capacity tables

2) Heating

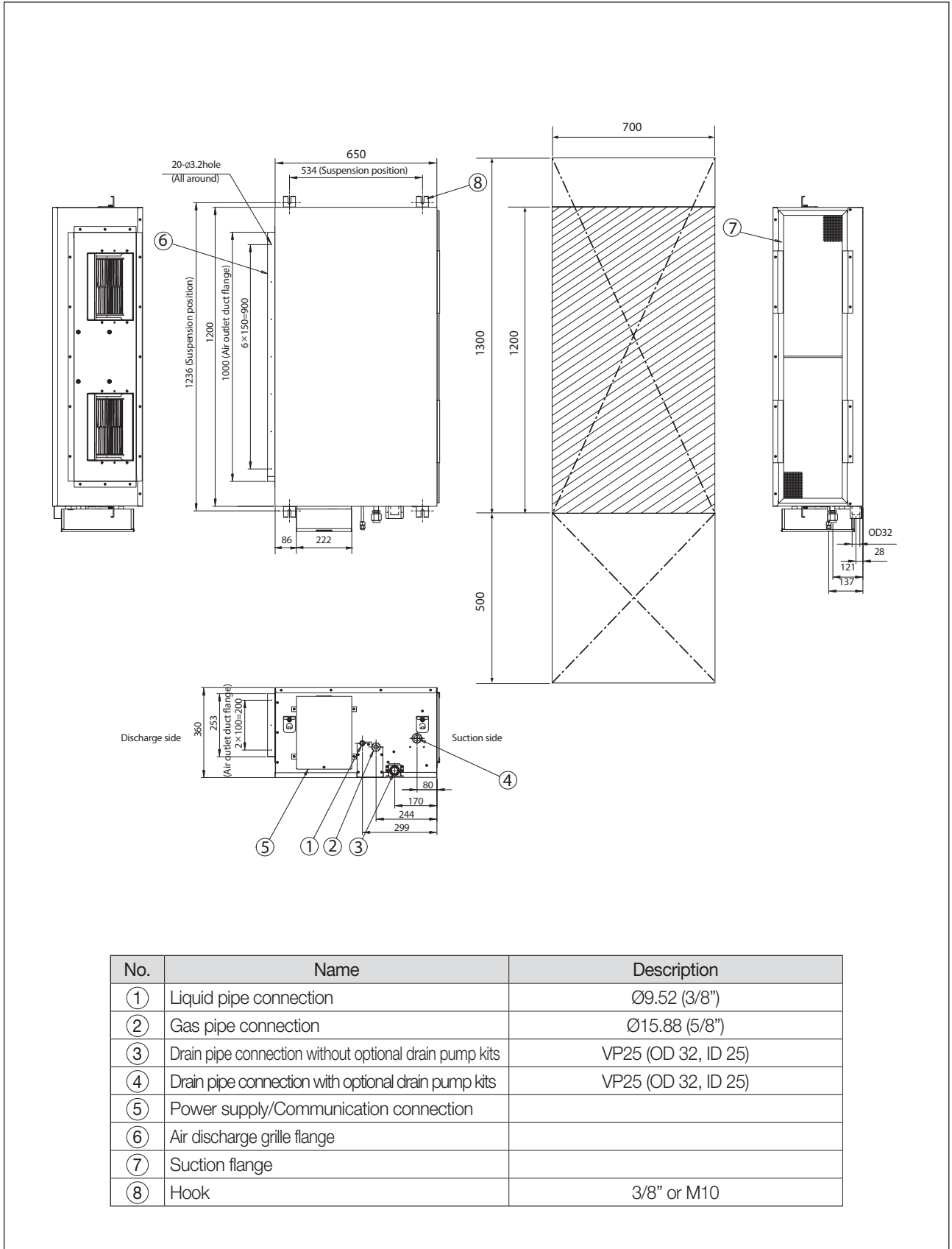
TC : Total Capacity(kW)

Model	Outdoor temperature (°C, DB)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC kW	TC kW	TC kW	TC kW	TC kW
180	-20	-21	16.32	15.73	14.90	14.20	13.67
	-17	-18	16.69	16.09	15.23	14.87	14.72
	-15	-16	17.26	16.64	15.75	15.41	15.19
	-12	-13	18.35	17.68	16.74	16.23	16.09
	-10	-11	19.62	18.90	17.89	17.13	16.92
	-7	-8	20.16	19.42	18.38	17.83	17.59
	-5	-6	20.74	19.98	18.90	18.51	18.07
	-3	-4	21.20	20.42	19.32	19.15	18.45
	0	-1	21.67	20.98	19.75	19.34	18.84
	3	2	22.11	21.36	20.00	19.40	18.81
	5	4	22.35	21.36	20.00	19.40	18.81
	7	6	22.69	21.36	20.00	19.40	18.81
	9	8	22.69	21.36	20.00	19.40	18.81
	11	10	22.69	21.36	20.00	19.40	18.81
	13	12	22.69	21.36	20.00	19.40	18.81
15	14	22.69	21.36	20.00	19.40	18.81	
224	-20	-21	20.33	19.58	18.52	17.63	16.96
	-17	-18	20.80	20.03	18.94	18.42	18.10
	-15	-16	21.52	20.73	19.60	19.11	18.70
	-12	-13	22.90	22.05	20.85	20.17	19.84
	-10	-11	24.51	23.60	22.32	21.40	21.10
	-7	-8	25.20	24.26	22.94	22.25	21.75
	-5	-6	25.94	24.97	23.61	23.10	22.36
	-3	-4	26.53	25.54	24.14	23.73	22.84
	0	-1	27.12	26.23	24.68	24.17	23.34
	3	2	27.68	26.69	25.00	24.17	23.48
	5	4	27.93	26.69	25.00	24.17	23.48
	7	6	28.23	26.69	25.00	24.17	23.48
	9	8	28.23	26.69	25.00	24.17	23.48
	11	10	28.23	26.69	25.00	24.17	23.48
	13	12	28.23	26.69	25.00	24.17	23.48
15	14	28.23	26.69	25.00	24.17	23.48	
280	-20	-21	25.4	24.4	23.0	21.9	21.0
	-17	-18	26.0	25.0	23.6	22.9	22.5
	-15	-16	27.0	25.9	24.5	23.8	23.3
	-12	-13	28.8	27.7	26.1	25.2	24.8
	-10	-11	30.9	29.7	28.0	26.8	26.4
	-7	-8	31.8	30.5	28.8	27.9	27.3
	-5	-6	32.7	31.5	29.7	29.0	28.1
	-3	-4	33.5	32.2	30.4	29.8	28.7
	0	-1	34.3	33.1	31.1	30.4	29.3
	3	2	35.0	33.7	31.5	30.4	29.5
	5	4	35.3	33.7	31.5	30.4	29.5
	7	6	35.7	33.7	31.5	30.4	29.5
	9	8	35.7	33.7	31.5	30.4	29.5
	11	10	35.7	33.7	31.5	30.4	29.5
	13	12	35.7	33.7	31.5	30.4	29.5
15	14	35.7	33.7	31.5	30.4	29.5	

11-3. Dimensional drawing

AM112/128/140FNHDEH***

Unit:mm



No.	Name	Description
①	Liquid pipe connection	Ø9.52 (3/8")
②	Gas pipe connection	Ø15.88 (5/8")
③	Drain pipe connection without optional drain pump kits	VP25 (OD 32, ID 25)
④	Drain pipe connection with optional drain pump kits	VP25 (OD 32, ID 25)
⑤	Power supply/Communication connection	
⑥	Air discharge grille flange	
⑦	Suction flange	
⑧	Hook	3/8" or M10

11-3. Dimensional drawing

AM180/224JNHPKH***

Units : mm / inches

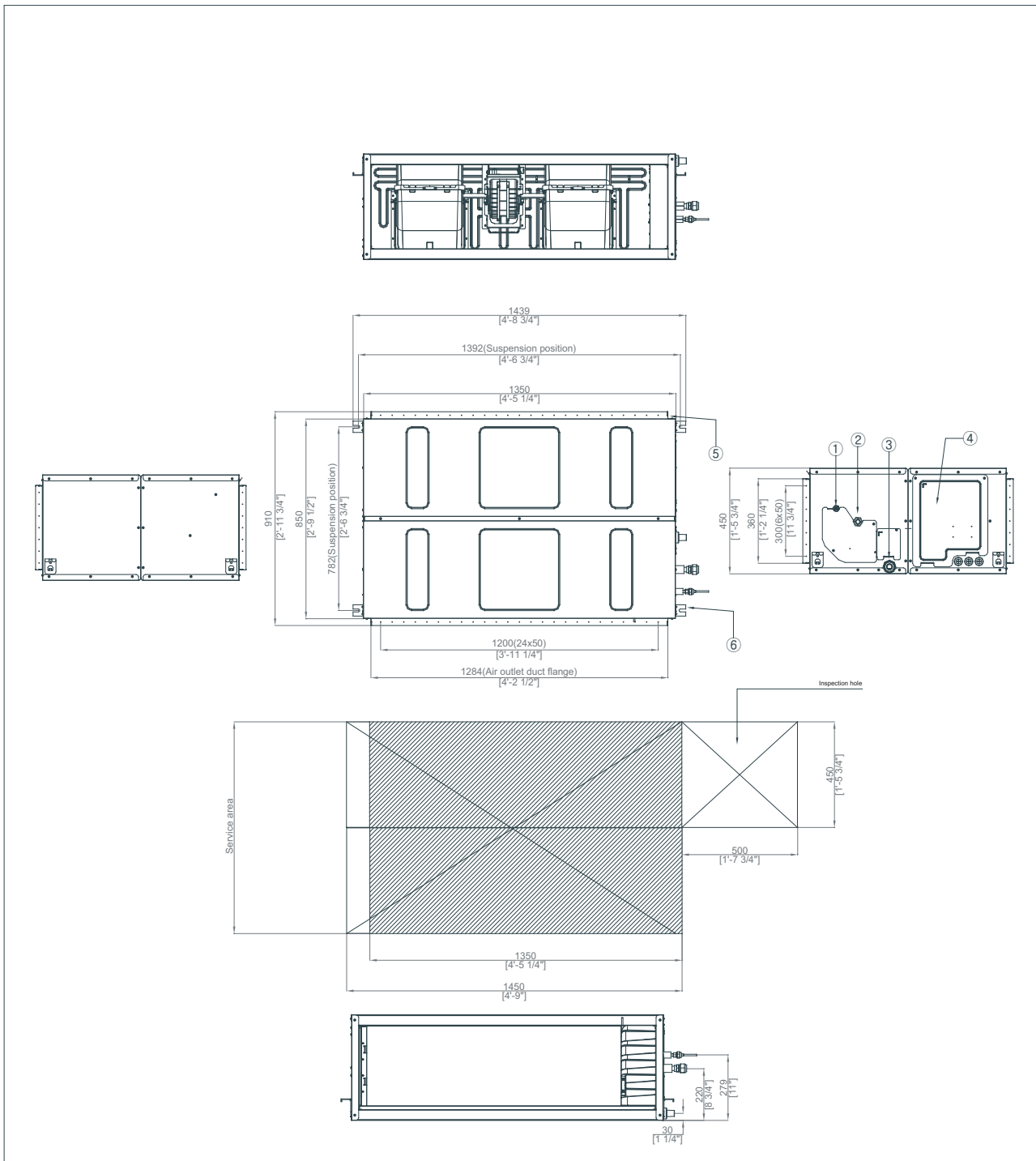


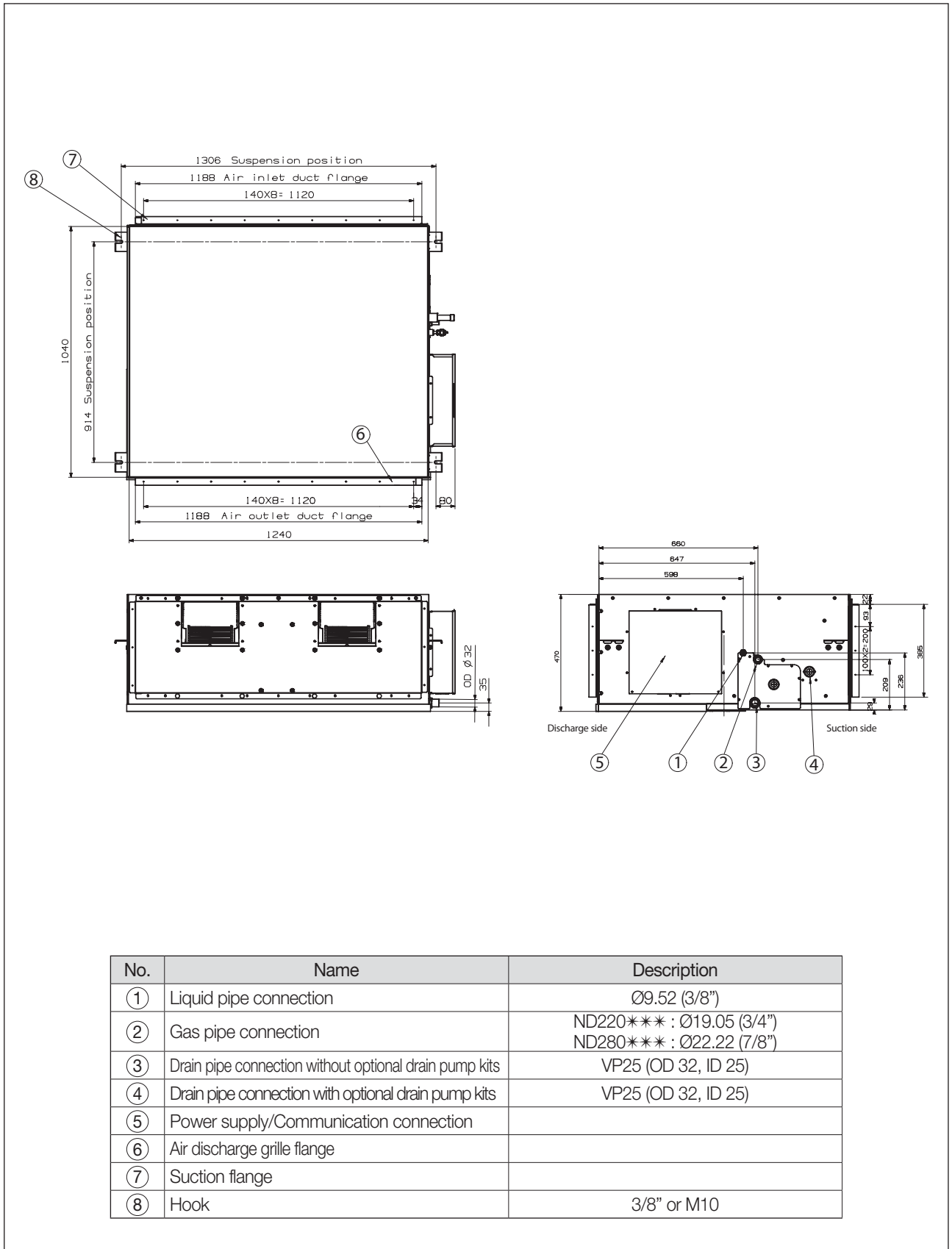
Table of descriptions

1	Liquid pipe connection	7	
2	Gas pipe connection	8	
3	Drain pipe connection	9	
4	Power supply connection	10	
5	Air discharge flange	11	
6	Hook	12	

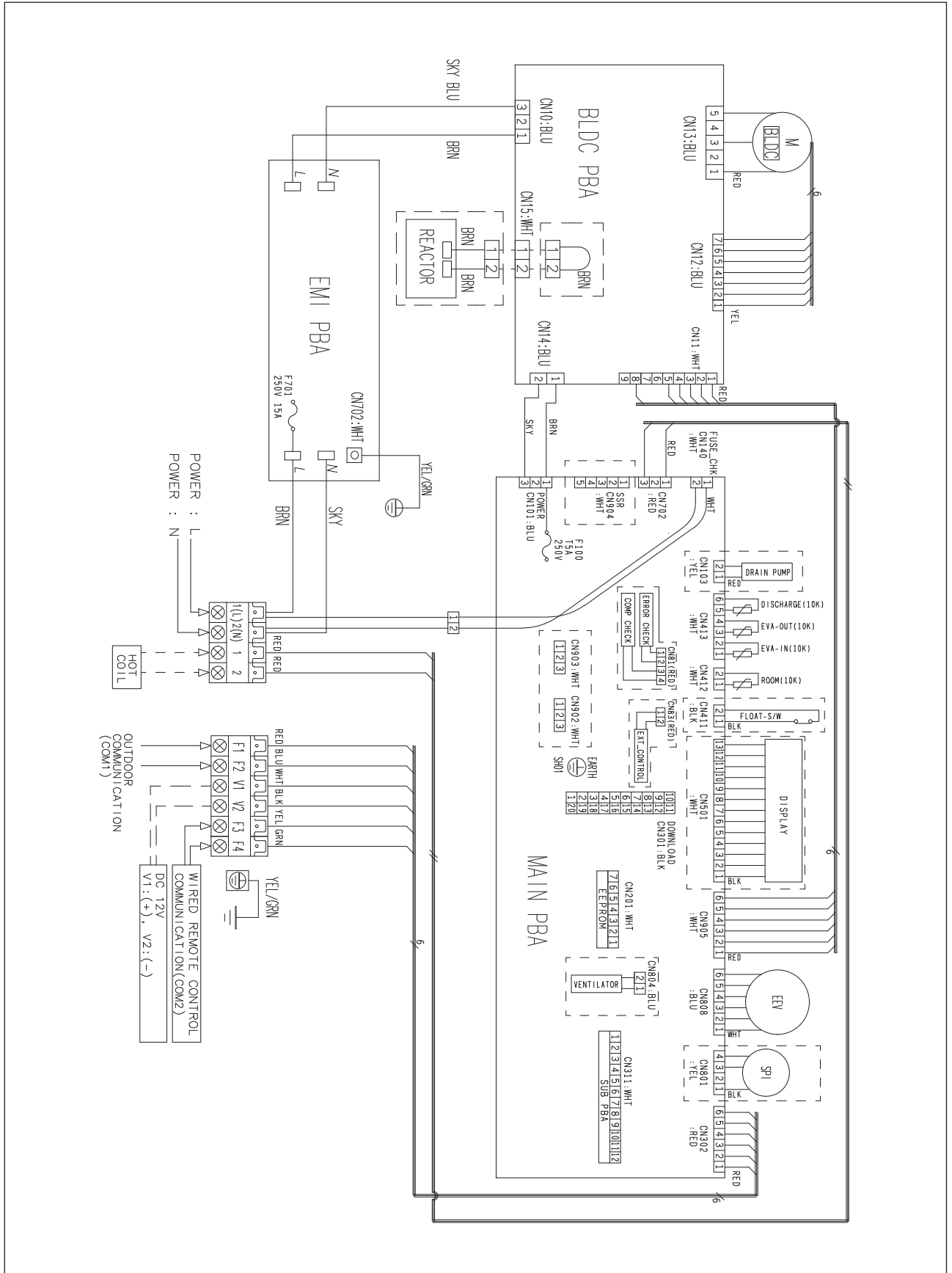
11-3. Dimensional drawing

AM280FNHDEH***

Unit:mm

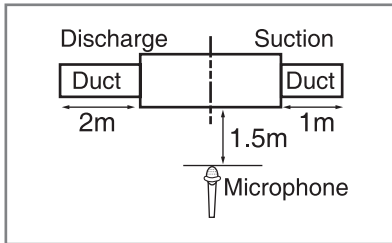


11-4. Electrical wiring diagram



11-5. Sound pressure level

1) Operation sound level



Unit : dB(A)

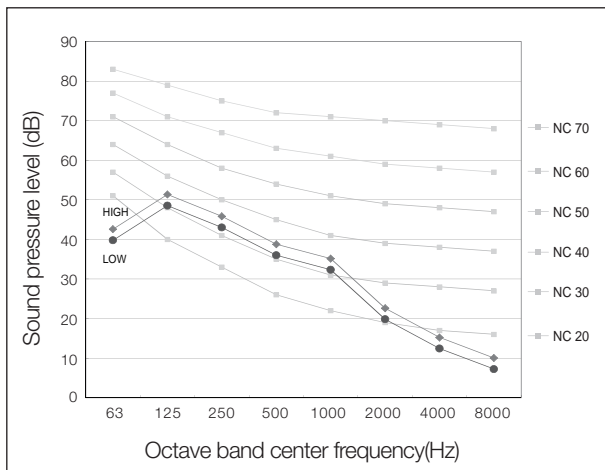
Model	High	Low
AM112FNHDEH***	43	39
AM128FNHDEH***	44	40
AM140FNHDEH***	45	41
AM180JNHPKH***	43	35

Note

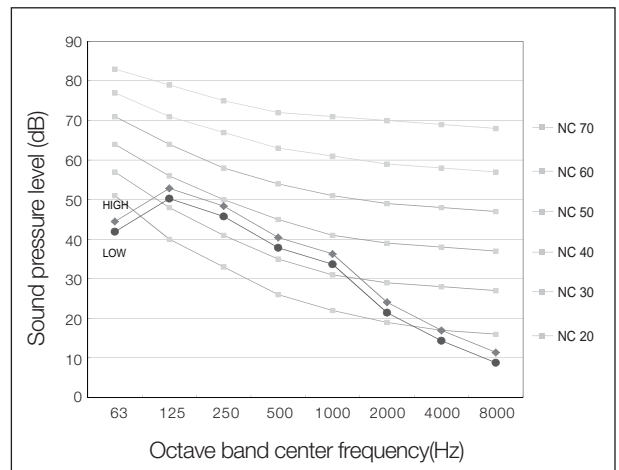
- ◆ These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ depending on operation and ambient conditions.

2) NC curves

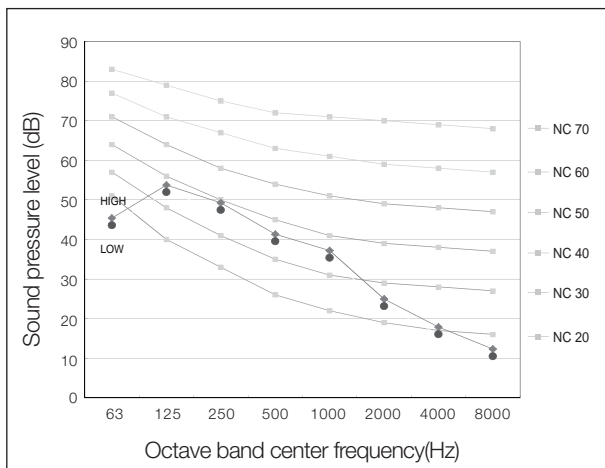
(1) AM112FNHDEH***



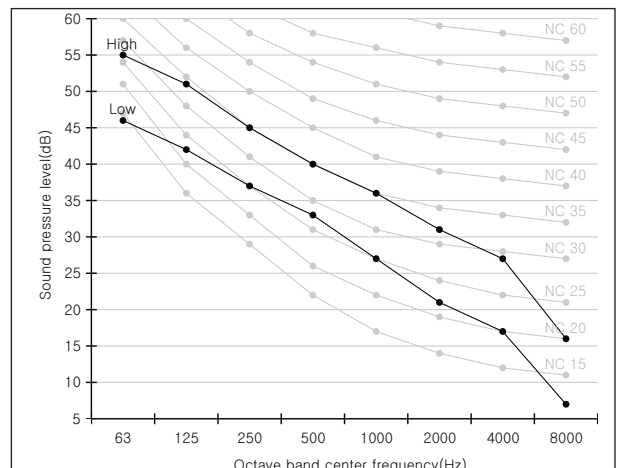
(2) AM128FNHDEH***



(3) AM140FNHDEH***

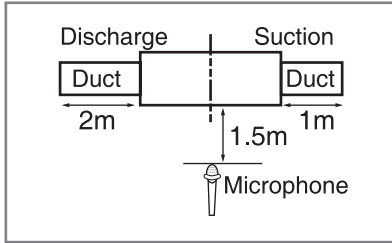


(4) AM180JNHPKH***



11-5. Sound pressure level

1) Operation sound level



Unit : dB(A)

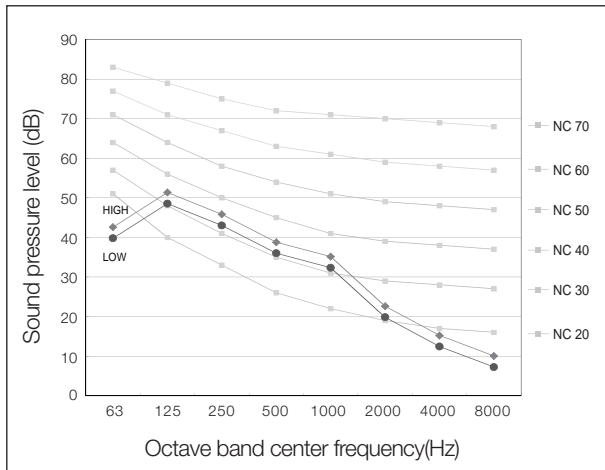
Model	High	Low
AM224JNHPKH***	44	36
AM280FNHDEH***	48	43

Note

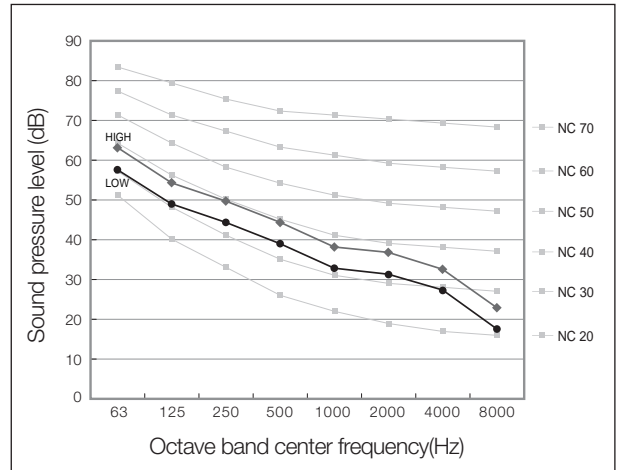
- ◆ These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ depending on operation and ambient conditions.

2) NC curves

(5) AM224JNHPKH***



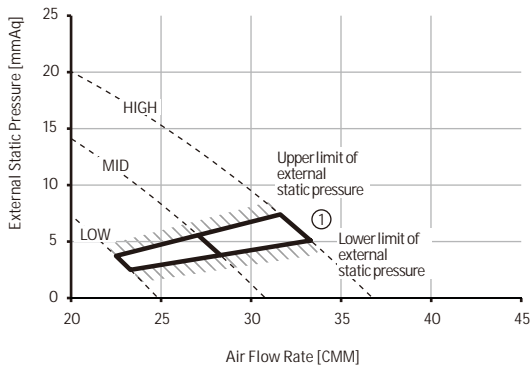
(5) AM280FNHDEH***



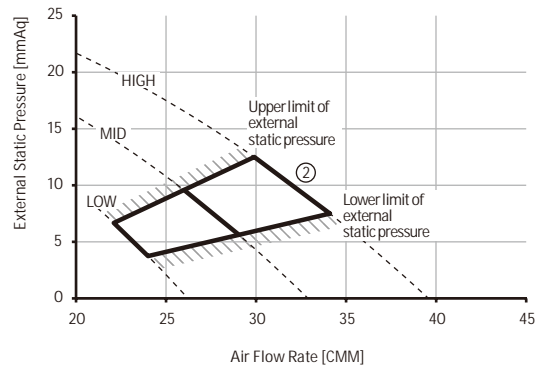
11-6. Recommended operation range

1) AM112FNHDEH/TK

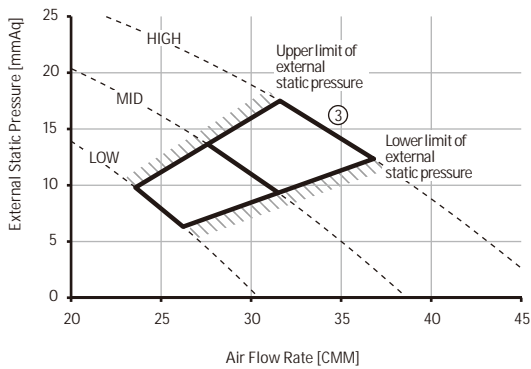
①	External Static Pressure(mmAq)	Option Code
	5	010054-135540-207070-331110



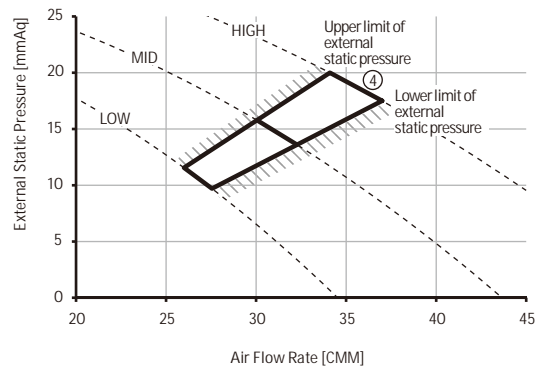
②	External Static Pressure(mmAq)	Option Code
	10	010054-135591-207070-331110



③	External Static Pressure(mmAq)	Option Code
	15	010054-135916-207070-331110



④	External Static Pressure(mmAq)	Option Code
	20	010054-135AEA-207070-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

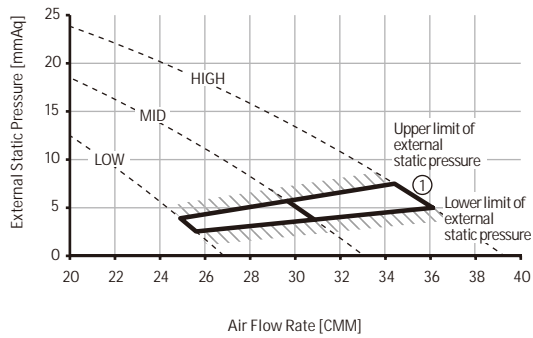
ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

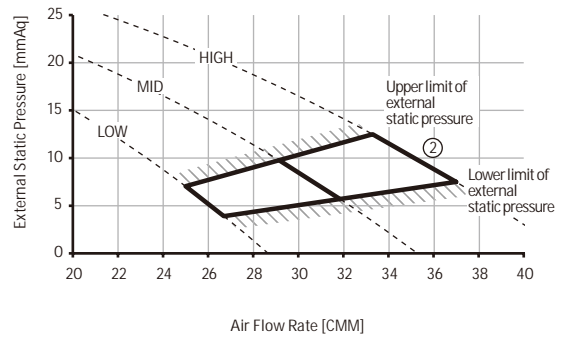
11-6. Recommended operation range

2) AM128FNHDEH/TK

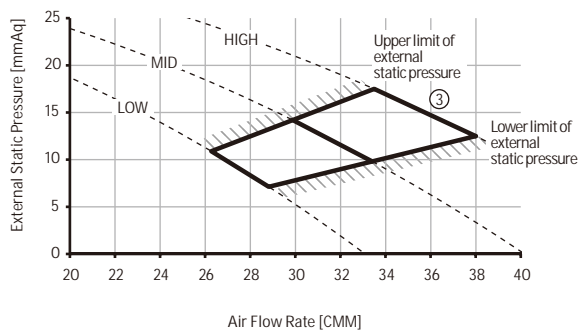
①	External Static Pressure(mmAq)	Option Code
	5	010054-135560-208080-331110



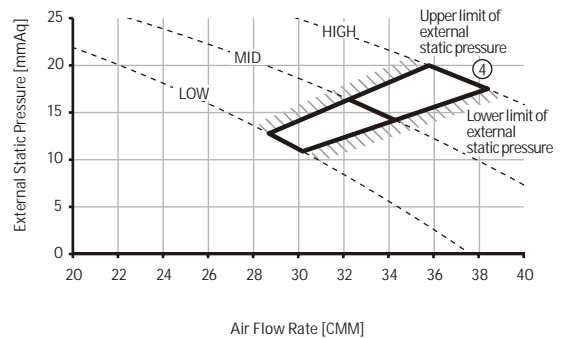
②	External Static Pressure(mmAq)	Option Code
	10	010054-1355C5-208080-331110



③	External Static Pressure(mmAq)	Option Code
	15	010054-13593D-208080-331110



④	External Static Pressure(mmAq)	Option Code
	20	010054-135E18-208080-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

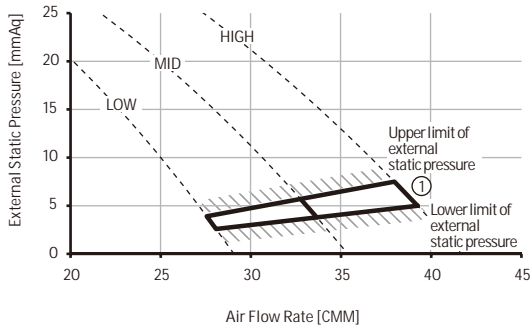
ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

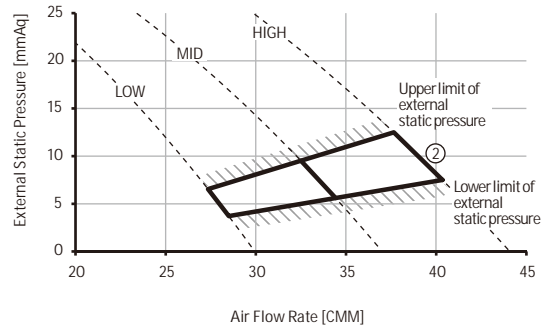
11-6. Recommended operation range

3) AM140FNHDEH/TK

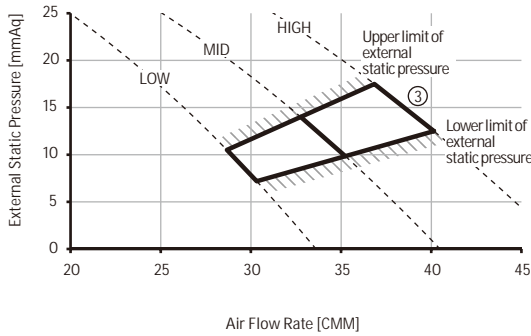
①	External Static Pressure(mmAq)	Option Code
	5	010054-135580-208C8C-311110



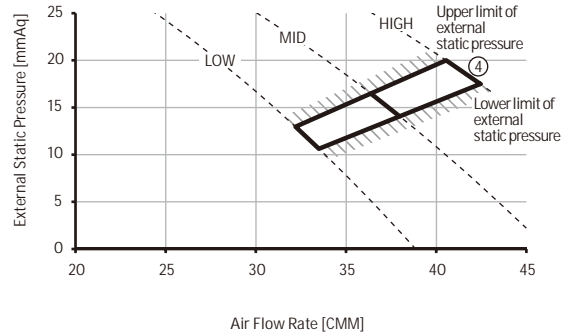
②	External Static Pressure(mmAq)	Option Code
	10	010054-135919-208C8C-311110



③	External Static Pressure(mmAq)	Option Code
	15	010054-135AD3-208C8C-331110



④	External Static Pressure(mmAq)	Option Code
	20	010054-135F60-208C8C-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

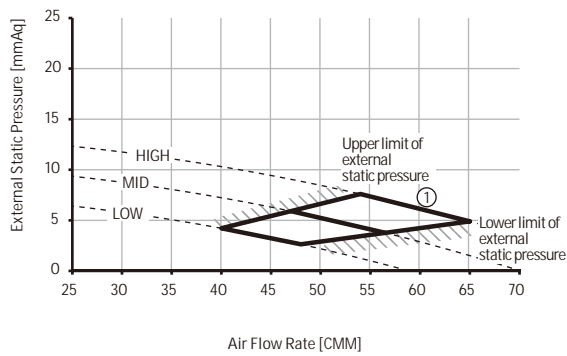
ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

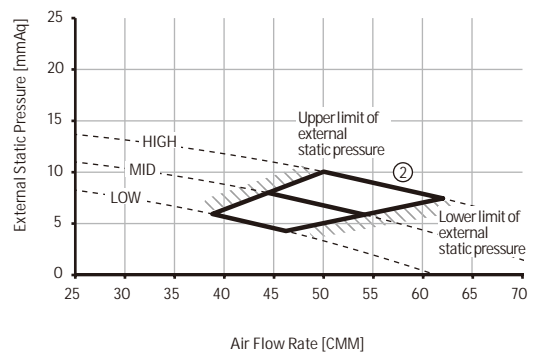
11-6. Recommended operation range

4) AM180JNHPKH/TK

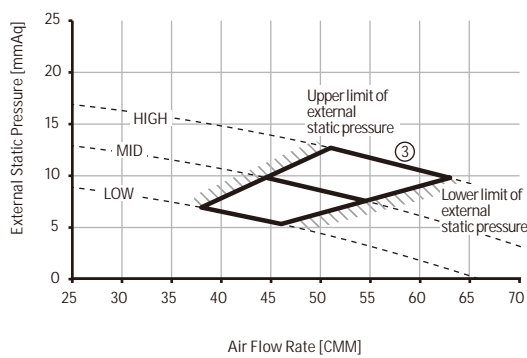
①	External Static Pressure(mmAq)	Option Code
	$5 \leq SP < 7.5$	012074-1C5080-20B4B4-331110



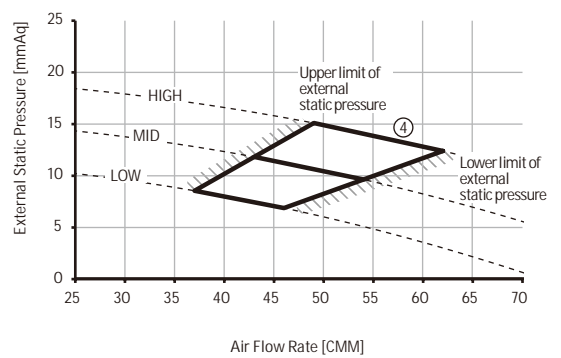
②	External Static Pressure(mmAq)	Option Code
	$7.5 \leq SP < 10$	012074-1C50A1-20B4B4-331110



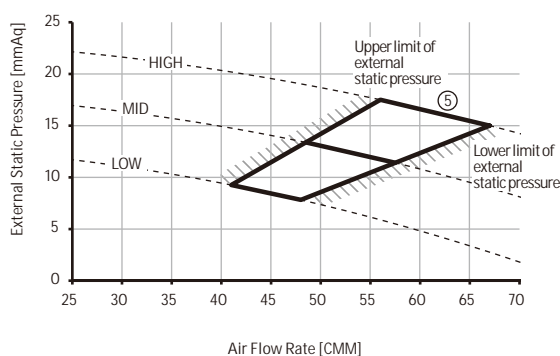
③	External Static Pressure(mmAq)	Option Code
	$10 \leq SP < 12.5$	012074-1C50D3-20B4B4-331110



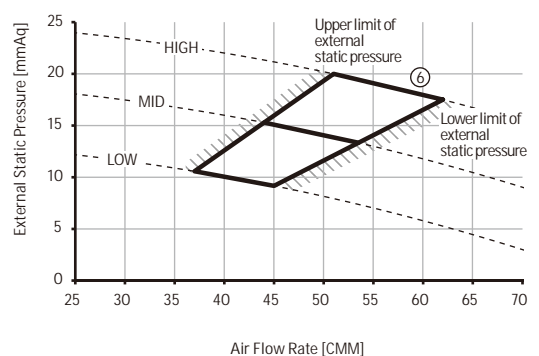
④	External Static Pressure(mmAq)	Option Code
	$12.5 \leq SP < 15$	012074-1C50F5-20B4B4-331110



⑤	External Static Pressure(mmAq)	Option Code
	$15 \leq SP < 17.5$	012074-1C5437-20B4B4-331110



⑥	External Static Pressure(mmAq)	Option Code
	$17.5 \leq SP < 20$	012074-1C5448-20B4B4-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

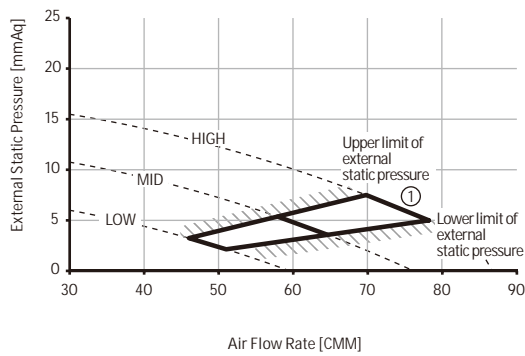
ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

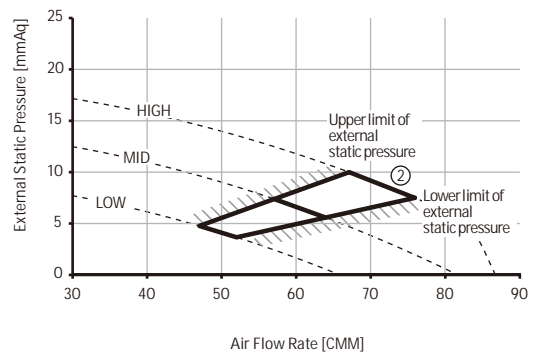
11-6. Recommended operation range

5) AM224JNHPKH/TK

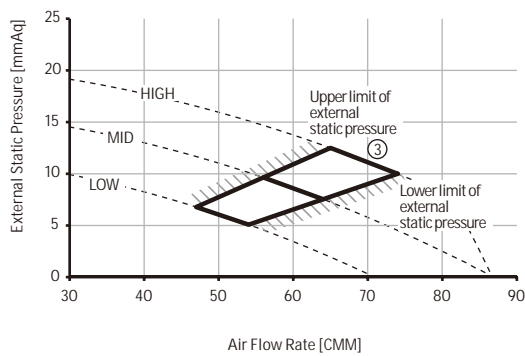
①	External Static Pressure(mmAq)	Option Code
	5≤SP < 7.5	012074-1C50C0-20E0E0-331110



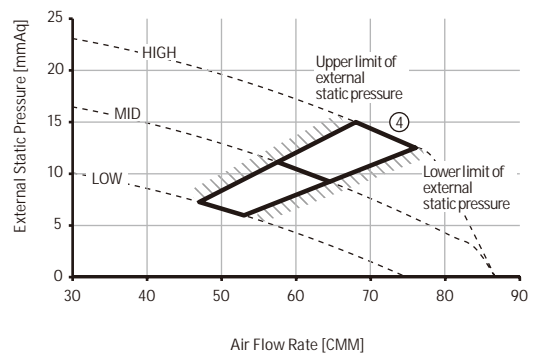
②	External Static Pressure(mmAq)	Option Code
	7.5≤SP < 10	012074-1C50E3-20E0E0-331110



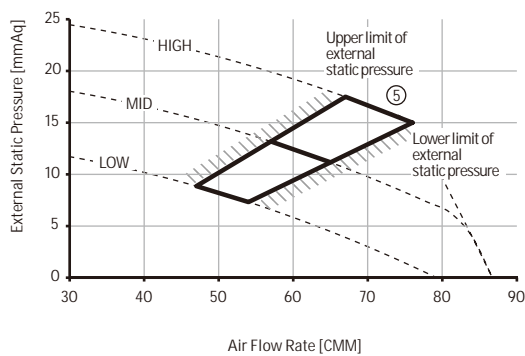
③	External Static Pressure(mmAq)	Option Code
	10≤SP < 12.5	012074-1C50F5-20E0E0-331110



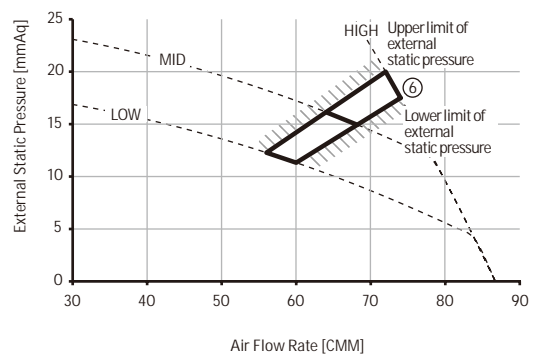
④	External Static Pressure(mmAq)	Option Code
	12.5≤SP < 15	012074-1C5436-20E0E0-331110



⑤	External Static Pressure(mmAq)	Option Code
	15≤SP < 17.5	012074-1C5458-20E0E0-331110



⑥	External Static Pressure(mmAq)	Option Code
	17.5≤SP ≤ 20	012074-1C548E-20E0E0-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

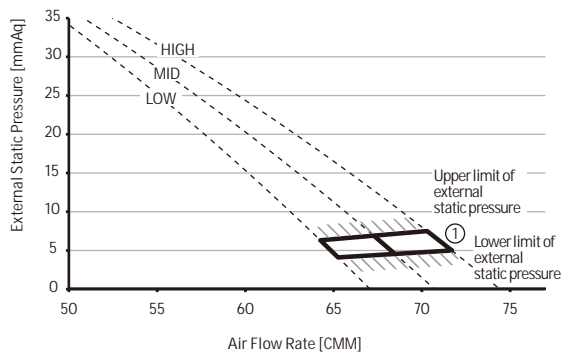
ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

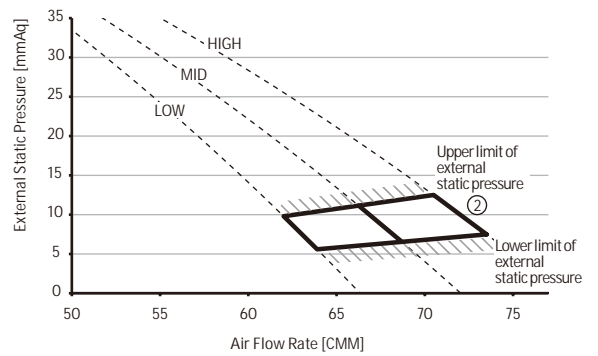
11-6. Recommended operation range

6) AM280FNHDEH/TK

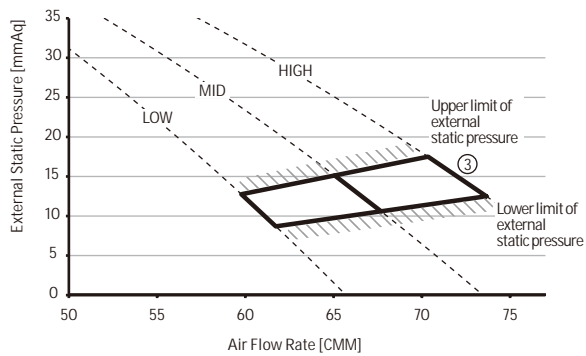
①	External Static Pressure(mmAq)	Option Code
	5	011054-195407-231C1C-331110



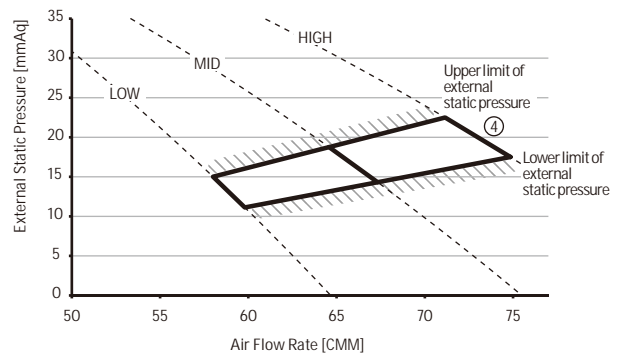
②	External Static Pressure(mmAq)	Option Code
	10	011054-195429-231C1C-331110



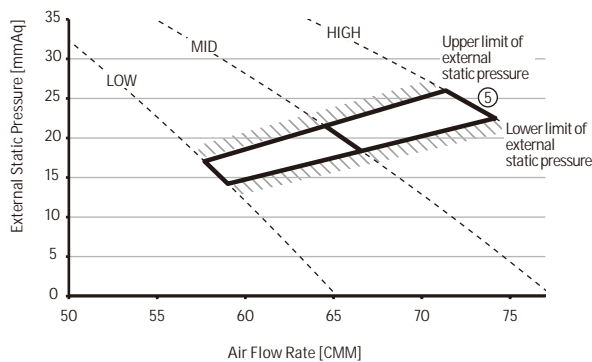
③	External Static Pressure(mmAq)	Option Code
	15	011054-19545B-231C1C-331110



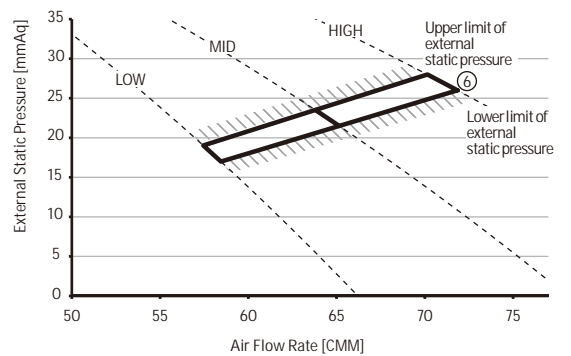
④	External Static Pressure(mmAq)	Option Code
	20	011054-19549E-231C1C-331110



⑤	External Static Pressure(mmAq)	Option Code
	25	011054-1955D1-231C1C-331110



⑥	External Static Pressure(mmAq)	Option Code
	28	011054-1955F3-231C1C-331110



Note

Adjust option code according to the actual installation condition (external static pressure).

ESP = External Static Pressure

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

12 Duct S

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- 12-2. Summary Table
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- 12-7. Sound Data
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12-1. Specifications

Model CODE			AM036HNMPKH/EU	AM045HNMPKH/EU	AM056HNMPKH/EU	
Power Supply			X # M Hz	1,2,220~240,50	1,2,220~240,50	1,2,220~240,50
Mode			-	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling (ISO/SASO)	kW	3.6	4.5	5.6
			Btu/h	12,300	15,400	19,100
		Heating	kW	4.0	5.0	6.3
			Btu/h	13,600	17,100	21,500
Power	Power Input (Nominal)	Cooling	W	50	60	70
		Heating	W	50	60	70
	Current Input (Nominal)	Cooling	A	0.5	0.6	0.7
		Heating	A	0.5	0.6	0.7
	Current	MCA	A	1.04	1.26	1.26
		MFA/MOP	A	15	15	15
Heat exchanger	Type		-	FME	FME	FME
	Material	Fin	-	Al	Al	Al
		Tube	-	Al	Al	Al
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Quantity		EA	2	2	2
	Air Flow Rate	H/M/L (UL)	m ³ /min	12.0 / 9.5 / 8.0	14.0 / 11.0 / 8.0	16.0 / 13.5 / 11.0
			l/s	200 / 158 / 133	233 / 183 / 133	267 / 225 / 183
	External Pressure	Min / Std / Max	mmAq	0 / 2.5 / 15	0 / 3 / 15	0 / 3 / 15
			Pa	0 / 24.5 / 150.0	0 / 29.4 / 150.0	0 / 29.4 / 150.0
Fan Motor	Model		-	BLDC motor(feedback)	BLDC motor(feedback)	BLDC motor(feedback)
	Output x n		W	153 x 1	153 x 1	153 x 1
Piping Connections	Liquid Pipe	Type	-	Flare connection	Flare connection	Flare connection
		X mm	-	6.35	6.35	6.35
		X inch	-	1/4"	1/4"	1/4"
	Gas Pipe	Type	-	Flare connection	Flare connection	Flare connection
		X mm	-	12.7	12.7	12.7
		X inch	-	1/2"	1/2"	1/2"
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
Drain Pipe		X mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	
Wiring connections	For power supply	Minimum	mm ²	1.5	1.5	1.5
	For connection with indoor	Minimum	mm ²	0.75	0.75	0.75
		Remark	-	-	F1,F2	F1,F2
Refrigerant	Type		-	R410A	R410A	R410A
	Control Method		-	EEV Included	EEV Included	EEV Included
Sound	Sound Pressure	High / Mid / Low	dB(A)	29/26/23	31/28/24	32/29/25
	Sound Power	Cooling (Nominal)	dB(A)	40	44	45
Dimensions	Net Weight		kg	25.5	25.5	25.5
	Shipping Weight		kg	30	30	30
	Net Dimensions (W×H×D)		mm	850 x 250 x 700	850 x 250 x 700	850 x 250 x 700
	Shipping Dimensions (W×H×D)		mm	1064 x 320 x 784	1064 x 320 x 784	1064 x 320 x 784
Air filter	Type		-	Removable / Washable / Mildew proof	Removable / Washable / Mildew proof	Removable / Washable / Mildew proof
Additional Accessories	Drain pump	Drain pump	Model	MDP-G075SQ(built-in) MDP-G075SP(external)	MDP-G075SQ(built-in) MDP-G075SP(external)	MDP-G075SQ(built-in) MDP-G075SP(external)
		Max. lifting Height	mm	750	750	750

NOTE

- Mode : HP(Heat Pump), HR(Heat Recovery)
- Nominal Cooling : Indoor temperature 27°CDB / 19°CWB, Outdoor temperature 35°CDB/24°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- Nominal Heating : Indoor temperature 20°CDB / 15°CWB, Outdoor temperature 7°CDB / 6°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- Sound pressure level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- These products contain R410A which is fluorinated greenhouse gas.
- Specifications may be subject to change without prior notice.
- Select wire size based on the value of MCA

12-1. Specifications

Model CODE				AM071HNMPKH/**	AM090HNMPKH/**	AM112HNMPKH/**
Power Supply			X ϕ V Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode			-	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling (ISO/SASO)	kW	7.1	9	11.2
			Btu/h	24,200	30,700	38,200
		Heating	kW	8.0	10.0	12.5
			Btu/h	27,300	34,100	42,700
Power	Power Input (Nominal)	Cooling	W	120	145	165
		Heating		120	145	165
	Current Input (Nominal)	Cooling	A	1.0	1.2	1.4
		Heating		1.0	1.2	1.4
	Current	MCA	A	1.52	2.03	2.51
		MFA/MOP		15	15	15
Heat exchanger	Type		-	FME	FME	FME
	Material	Fin	-	Al	Al	Al
		Tube	-	Al	Al	Al
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Quantity		EA	2	3	3
	Air Flow Rate	H/M/L (UL)	m ³ /min	22.0 / 19.0 / 16.0	29.0 / 25.0 / 22.0	35.0 / 29.0 / 22.0
			l/s	367 / 317 / 267	483 / 417 / 367	583 / 483 / 367
	External Pressure	Min / Std / Max	mmAq	0 / 3 / 15	0 / 4 / 15	0 / 5.2 / 15
Pa			0 / 29.4 / 150.0	0 / 39.2 / 150.0	0 / 51.0 / 150.0	
Fan Motor	Model		-	BLDC motor(feedback)	BLDC motor(feedback)	BLDC motor(feedback)
	Output x n		W	153 x 1	153 x 1	244 x 1
Piping Connections	Liquid Pipe	Type	-	Flare connection	Flare connection	Flare connection
		X mm	-	9.52	9.52	9.52
		X inch	-	3/8"	3/8"	3/8"
	Gas Pipe	Type	-	Flare connection	Flare connection	Flare connection
		X mm	-	15.88	15.88	15.88
		X inch	-	5/8"	5/8"	5/8"
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
Drain Pipe		X mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	
Wiring connections	For power supply	Minimum	mm ²	1.5	1.5	1.5
	For connection with indoor	Minimum	mm ²	0.75	0.75	0.75
		Remark	-	-	F1,F2	F1,F2
Refrigerant	Type		-	R410A	R410A	R410A
	Control Method		-	EEV Included	EEV Included	EEV Included
Sound	Sound Pressure	High / Mid / Low	dB(A)	37/33/29	38/35/32	38/35/32
	Sound Power	Cooling (Nominal)		47	44	45
Dimensions	Net Weight		kg	25.5	33	38.5
	Shipping Weight		kg	30	38.5	44.5
	Net Dimensions (W×H×D)		mm	850 x 250 x 700	1200 x 250 x 700	1300 x 300 x 700
	Shipping Dimensions (W×H×D)		mm	1064 x 320 x 784	1429 x 320 x 779	1529 x 370 x 779
Air filter	Type		-	Removable / Washable / Mildew proof	Removable / Washable / Mildew proof	Removable / Washable / Mildew proof
Additional Accessories	Drain pump	Drain pump	Model	MDP-G075SQ(built-in) MDP-G075SP(external)	MDP-G075SQ(built-in) MDP-G075SP(external)	MDP-G075SQ(built-in) MDP-G075SP(external)
		Max. lifting Height	mm	750	750	750

NOTE

- Mode : HP(Heat Pump), HR(Heat Recovery)
- Nominal Cooling : Indoor temperature 27°CDB / 19°CWB, Outdoor temperature 35°CDB/24°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- Nominal Heating : Indoor temperature 20°CDB / 15°CWB, Outdoor temperature 7°CDB / 6°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- Sound pressure level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- These products contain R410A which is fluorinated greenhouse gas.
- Specifications may be subject to change without prior notice.
- Select wire size based on the value of MCA

12-1. Specifications

Model CODE				AM128HNMPKH/**	AM140HNMPKH/**	AM112HNHPKH/**
Power Supply			X # M Hz	1,2,220~240,50	1,2,220~240,50	1,2,220~240,50
Mode			-	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling (ISO/SASO)	kW	12.8	14	11.2
			Btu/h	43,700	47,800	38,200
		Heating	kW	13.8	16.0	12.5
			Btu/h	47,100	54,600	42,700
Power	Power Input (Nominal)	Cooling	W	175	215	205
		Heating		175	215	205
	Current Input (Nominal)	Cooling	A	1.5	1.7	205.0
		Heating		1.5	1.7	1.2
	Current	MCA	A	2.51	2.51	2.92
		MFA/MOP		15	15	15
Heat exchanger	Type		-	FME	FME	FME
	Material	Fin	-	Al	Al	Al
		Tube	-	Al	Al	Al
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Quantity		EA	3	3	3
	Air Flow Rate	H/M/L (UL)	m ³ /min	38.0 / 32.0 / 25.0	42.0 / 34.0 / 25.0	35.0 / 29.0 / 22.0
			l/s	633 / 533 / 417	700 / 567 / 417	583 / 483 / 367
	External Pressure	Min / Std / Max	mmAq	0 / 5.2 / 15	0 / 5.2 / 15	3 / 6.2 / 20
			Pa	0 / 51.0 / 150.0	0 / 51.0 / 150.0	0 / 60.8 / 200.0
Fan Motor	Model		-	BLDC motor(feedback)	BLDC motor(feedback)	BLDC motor(feedback)
	Output x n		W	244 x 1	244 x 1	350 x 1
Piping Connections	Liquid Pipe	Type	-	Flare connection	Flare connection	Flare connection
		X mm	-	9.52	9.52	9.52
		X inch	-	3/8"	3/8"	3/8"
	Gas Pipe	Type	-	Flare connection	Flare connection	Flare connection
		X mm	-	15.88	15.88	15.88
		X inch	-	5/8"	5/8"	5/8"
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
Drain Pipe		X mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	
Wiring connections	For power supply	Minimum	mm ²	1.5	1.5	1.5
	For connection with indoor	Minimum	mm ²	0.75	0.75	0.75
		Remark	-	-	F1,F2	F1,F2
Refrigerant	Type		-	R410A	R410A	R410A
	Control Method		-	EEV Included	EEV Included	EEV Included
Sound	Sound Pressure	High / Mid / Low	dB(A)	39/36/33	40/37/33	38/35/32
	Sound Power	Cooling (Nominal)		46	47	46
Dimensions	Net Weight		kg	38.5	38.5	46.5
	Shipping Weight		kg	44.5	44.5	52.5
	Net Dimensions (W×H×D)		mm	1300 x 300 x 700	1300 x 300 x 700	1300 x 300 x 700
	Shipping Dimensions (W×H×D)		mm	1529 x 370 x 779	1529 x 370 x 779	1529 x 370 x 779
Air filter	Type		-	Removable / Washable / Mildew proof	Removable / Washable / Mildew proof	Removable / Washable / Mildew proof
Additional Accessories	Drain pump	Drain pump	Model	MDP-G075SQ(built-in) MDP-G075SP(external)	MDP-G075SQ(built-in) MDP-G075SP(external)	MDP-G075SQ(built-in) MDP-G075SP(external)
		Max. lifting Height	mm	750	750	750

NOTE

- Mode : HP(Heat Pump), HR(Heat Recovery)
- Nominal Cooling : Indoor temperature 27°CDB / 19°CWB, Outdoor temperature 35°CDB/24°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- Nominal Heating : Indoor temperature 20°CDB / 15°CWB, Outdoor temperature 7°CDB / 6°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- Sound pressure level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- These products contain R410A which is fluorinated greenhouse gas.
- Specifications may be subject to change without prior notice.
- Select wire size based on the value of MCA

12-1. Specifications

Model CODE				AM128HNHPKH/**	AM140HNHPKH/**
Power Supply			X # V Hz	1,2,220-240,50	1,2,220-240,50
Mode			-	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling (ISO/SASO)	kW	12.8	14
			Btu/h	43,700	47,800
		Heating	kW	13.8	16.0
			Btu/h	47,100	54,600
Power	Power Input (Nominal)	Cooling	W	230	260
		Heating	W	230	260
	Current Input (Nominal)	Cooling	A	1.4	1.5
		Heating	A	1.4	1.5
	Current	MCA	A	3.17	3.42
		MFA/MOP	A	15	15
Heat exchanger	Type		-	FME	FME
	Material	Fin	-	Al	Al
		Tube	-	Al	Al
	Fin Treatment		-	Anti-corrosion	Anti-corrosion
Fan	Type		-	Sirocco Fan	Sirocco Fan
	Quantity		EA	3	3
	Air Flow Rate	H/M/L (UL)	m ³ /min	38.0 / 32.0 / 25.0	42.0 / 34.0 / 25.0
			l/s	633 / 533 / 417	700 / 567 / 417
	External Pressure	Min / Std / Max	mmAq	3 / 6.2 / 20	3 / 6.2 / 20
			Pa	0 / 60.8 / 200.0	0 / 60.8 / 200.0
Fan Motor	Model		-	BLDC motor(feedback)	BLDC motor(feedback)
	Output x n		W	350 x 1	350 x 1
Piping Connections	Liquid Pipe	Type	-	Flare connection	Flare connection
		X mm		9.52	9.52
		X inch		3/8"	3/8"
	Gas Pipe	Type	-	Flare connection	Flare connection
		X mm		15.88	15.88
		X inch		5/8"	5/8"
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes
Drain Pipe		X mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	
Wiring connections	For power supply	Minimum	mm ²	1.5	1.5
	For connection with indoor	Minimum	mm ²	0.75	0.75
		Remark	-	-	F1,F2
Refrigerant	Type		-	R410A	R410A
	Control Method		-	EEV Included	EEV Included
Sound	Sound Pressure	High / Mid / Low	dB(A)	39/36/33	40/37/34
	Sound Power	Cooling (Nominal)	dB(A)	47	49
Dimensions	Net Weight		kg	46.5	46.5
	Shipping Weight		kg	52.5	52.5
	Net Dimensions (W×H×D)		mm	1300 x 300 x 700	1300 x 300 x 700
	Shipping Dimensions (W×H×D)		mm	1529 x 370 x 779	1529 x 370 x 779
Air filter	Type		-	Removable / Washable / Mildew proof	Removable / Washable / Mildew proof
Additional Accessories	Drain pump	Drain pump	Model	MDP-G075SQ(built-in) MDP-G075SP(external)	MDP-G075SQ(built-in) MDP-G075SP(external)
		Max. lifting Height	mm	750	750

NOTE

- Mode : HP(Heat Pump), HR(Heat Recovery)
- Nominal Cooling : Indoor temperature 27°CDB / 19°CWB, Outdoor temperature 35°CDB/24°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- Nominal Heating : Indoor temperature 20°CDB / 15°CWB, Outdoor temperature 7°CDB / 6°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- Sound pressure level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- These products contain R410A which is fluorinated greenhouse gas.
- Specifications may be subject to change without prior notice.
- Select wire size based on the value of MCA

12-2. Summary Table

Performance Characteristics

Model Code	Fan Speed	Nominal Capacity			Airflow (CMM)	Sound Pressure (dBA)	Sound Power (dBA)	Static Pressure (Min/Std/Max) (Pa)
		Cooling (kW)	Sensible (Kw)	Heating (kW)				
AM036HNMPKH/EU	High	3.6	2.6	4.0	12.0	29	40	0 / 2.5 / 15
	Mid	2.5	2.3	3.6	9.5	26	-	
	Low	2.1	1.9	3.3	8.0	23	-	
AM045HNMPKH/EU	High	4.5	3.3	5.0	14.0	31	44	0 / 3 / 15
	Mid	3.0	2.8	4.4	11.0	28	-	
	Low	2.5	2.3	3.8	8.0	24	-	
AM056HNMPKH/EU	High	5.6	4.2	6.3	16.0	32	45	0 / 3 / 15
	Mid	3.8	3.3	5.8	13.5	29	-	
	Low	3.2	2.9	5.2	11.0	25	-	
AM071HNMPKH/**	High	7.1	5.4	8.0	22.0	37	47	0 / 3 / 15
	Mid	4.9	4.3	7.4	19.0	33	-	
	Low	4.0	3.7	6.8	16.0	29	-	
AM090HNMPKH/**	High	9.0	7.1	10.0	29.0	38	44	0 / 4 / 15
	Mid	6.1	5.4	9.3	25.0	35	-	
	Low	5.0	4.6	8.7	22.0	32	-	
AM112HNMPKH/**	High	11.2	8.6	12.5	35.0	38	45	0 / 5.2 / 15
	Mid	7.4	6.5	11.4	29.0	35	-	
	Low	6.0	5.5	9.9	22.0	32	-	
AM128HNMPKH/**	High	12.8	9.9	13.8	38.0	39	46	0 / 5.2 / 15
	Mid	8.5	7.5	12.7	32.0	36	-	
	Low	6.8	6.3	11.2	25.0	33	-	
AM140HNMPKH/**	High	14.0	10.8	16.0	42.0	40	47	0 / 5.2 / 15
	Mid	9.1	7.9	14.4	34.0	37	-	
	Low	7.3	6.7	12.3	25.0	33	-	
AM112HNHPKH/**	High	11.2	8.6	12.5	35.0	38	46	0 / 6.2 / 20
	Mid	7.4	6.5	11.4	29.0	35	-	
	Low	6.0	5.5	9.9	22.0	32	-	
AM128HNHPKH/**	High	12.8	9.9	13.8	38.0	39	47	0 / 6.2 / 20
	Mid	8.5	7.5	12.7	32.0	36	-	
	Low	6.8	6.3	11.2	25.0	33	-	
AM140HNHPKH/**	High	14.0	10.8	16.0	42.0	40	49	0 / 6.2 / 20
	Mid	9.1	7.9	14.4	34.0	37	-	
	Low	7.3	6.7	12.3	25.0	34	-	

Electrical Characteristics

Model Code	Power Supply \varnothing $\#$ M Hz=	Power Input (W)	Current Input (A)	MCA (A)	MFA (A)	FLA (A)
AM036HNMPKH/EU	1, 2, 220-240, 50	50.0	0.50	1.04	15	0.83
AM045HNMPKH/EU	1, 2, 220-240, 50	60.0	0.60	1.26	15	1.01
AM056HNMPKH/EU	1, 2, 220-240, 50	70.0	0.70	1.26	15	1.01
AM071HNMPKH/**	1, 2, 220-240, 50	120.0	1.00	1.52	15	1.21
AM090HNMPKH/**	1, 2, 220-240, 50	145.0	1.20	2.03	15	1.63
AM112HNMPKH/**	1, 2, 220-240, 50	165.0	1.40	2.51	15	2.01
AM128HNMPKH/**	1, 2, 220-240, 50	175.0	1.50	2.51	15	2.01
AM140HNMPKH/**	1, 2, 220-240, 50	215.0	1.70	2.51	15	2.01
AM112HNHPKH/**	1, 2, 220-240, 50	205.0	1.20	2.92	15	2.34
AM128HNHPKH/**	1, 2, 220-240, 50	230.0	1.40	3.17	15	2.54
AM140HNHPKH/**	1, 2, 220-240, 50	260.0	1.50	3.42	15	2.73

NOTE

- MCA : Minimum circuit amperes
- FLA : Full load amperes.

12-3. Capacity tables

Duct S (AM***HNMPKH/**)

Cooling

TC: Total Capacity, SHC: Sensible Heat Capacity

Model	Outdoor Temp. (°C, DB)	Indoor temperature (°C, WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
036	10	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.3	2.5
	12	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.3	2.5
	14	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.3	2.5
	16	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.3	2.5
	18	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.2	2.4
	20	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.2	2.4
	21	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.2	2.4
	23	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.2	2.4
	25	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.2	2.4
	27	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.2	2.4
	29	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.2	2.4
	31	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.2	2.4
	33	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.2	2.4
	35	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	4.0	2.6	4.2	2.4
	37	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	3.9	2.5	4.2	2.4
39	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	3.9	2.5	4.1	2.3	
42	2.5	2.0	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	3.8	2.5	4.0	2.2	
44	2.5	2.0	2.9	2.3	3.3	2.4	3.4	2.5	3.6	2.5	3.7	2.4	3.9	2.2	
46	2.5	2.0	2.9	2.3	3.2	2.4	3.3	2.4	3.4	2.4	3.6	2.3	3.8	2.1	
045	10	3.1	2.7	3.7	3.1	4.2	3.2	4.5	3.3	4.7	3.3	5.0	3.3	5.4	3.4
	12	3.1	2.7	3.7	3.1	4.2	3.2	4.5	3.3	4.7	3.3	5.0	3.3	5.4	3.4
	14	3.1	2.7	3.7	3.1	4.2	3.2	4.5	3.3	4.7	3.3	5.0	3.3	5.4	3.4
	16	3.1	2.7	3.7	3.1	4.2	3.2	4.5	3.3	4.7	3.3	5.0	3.3	5.3	3.1
	18	3.1	2.7	3.7	3.1	4.2	3.2	4.5	3.3	4.7	3.3	5.0	3.3	5.3	3.1
	20	3.1	2.7	3.7	3.1	4.2	3.2	4.5	3.3	4.7	3.3	5.0	3.3	5.3	3.1
	21	3.1	2.7	3.7	3.1	4.2	3.2	4.5	3.3	4.7	3.3	5.0	3.3	5.3	3.1
	23	3.1	2.7	3.7	3.1	4.2	3.2	4.5	3.3	4.7	3.3	5.0	3.3	5.3	3.1
	25	3.1	2.7	3.7	3.1	4.2	3.2	4.5	3.3	4.7	3.3	5.0	3.3	5.3	3.1
	27	3.1	2.7	3.7	3.1	4.2	3.2	4.5	3.3	4.7	3.3	5.0	3.3	5.3	3.1
	29	3.1	2.7	3.7	3.1	4.2	3.2	4.5	3.3	4.7	3.3	5.0	3.3	5.3	3.1
	31	3.1	2.7	3.7	3.1	4.2	3.2	4.5	3.3	4.7	3.3	5.0	3.3	5.3	3.1
	33	3.1	2.7	3.7	3.1	4.2	3.2	4.5	3.3	4.7	3.3	5.0	3.3	5.3	3.1
	35	3.1	2.7	3.7	3.1	4.2	3.2	4.5	3.3	4.7	3.3	5.0	3.3	5.3	3.1
	37	3.1	2.7	3.7	3.1	4.2	3.2	4.5	3.3	4.6	3.2	4.9	3.2	5.2	3.1
39	3.1	2.7	3.7	3.1	4.2	3.2	4.5	3.3	4.6	3.2	4.9	3.2	5.1	3.0	
42	3.1	2.7	3.7	3.1	4.2	3.2	4.4	3.3	4.5	3.2	4.8	3.1	5.0	2.9	
44	3.1	2.7	3.7	3.1	4.1	3.1	4.3	3.2	4.4	3.1	4.6	3.0	4.8	2.8	
46	3.1	2.7	3.7	3.1	4.0	3.0	4.2	3.1	4.3	3.0	4.5	2.9	4.7	2.7	
056	10	3.9	3.3	4.6	3.8	5.3	4.0	5.6	4.2	5.8	4.2	6.3	4.3	6.7	4.1
	12	3.9	3.3	4.6	3.8	5.3	4.0	5.6	4.2	5.8	4.2	6.3	4.3	6.7	4.1
	14	3.9	3.3	4.6	3.8	5.3	4.0	5.6	4.2	5.8	4.2	6.2	4.2	6.7	4.1
	16	3.9	3.3	4.6	3.8	5.3	4.0	5.6	4.2	5.8	4.2	6.2	4.2	6.6	4.0
	18	3.9	3.3	4.6	3.8	5.3	4.0	5.6	4.2	5.8	4.2	6.2	4.2	6.6	4.0
	20	3.9	3.3	4.6	3.8	5.3	4.0	5.6	4.2	5.8	4.2	6.2	4.2	6.6	4.0
	21	3.9	3.3	4.6	3.8	5.3	4.0	5.6	4.2	5.8	4.2	6.2	4.2	6.6	4.0
	23	3.9	3.3	4.6	3.8	5.3	4.0	5.6	4.2	5.8	4.2	6.2	4.2	6.6	4.0
	25	3.9	3.3	4.6	3.8	5.3	4.0	5.6	4.2	5.8	4.2	6.2	4.2	6.6	4.0
	27	3.9	3.3	4.6	3.8	5.3	4.0	5.6	4.2	5.8	4.2	6.2	4.2	6.6	4.0
	29	3.9	3.3	4.6	3.8	5.3	4.0	5.6	4.2	5.8	4.2	6.2	4.2	6.6	4.0
	31	3.9	3.3	4.6	3.8	5.3	4.0	5.6	4.2	5.8	4.2	6.2	4.2	6.6	4.0
	33	3.9	3.3	4.6	3.8	5.3	4.0	5.6	4.2	5.8	4.2	6.2	4.2	6.6	4.0
	35	3.9	3.3	4.6	3.8	5.3	4.0	5.6	4.2	5.8	4.2	6.2	4.2	6.6	4.0
	37	3.9	3.3	4.6	3.8	5.3	4.0	5.6	4.2	5.8	4.2	6.1	4.1	6.5	3.9
39	3.9	3.3	4.6	3.8	5.3	4.0	5.6	4.2	5.8	4.2	6.1	4.1	6.4	3.8	
42	3.9	3.3	4.6	3.8	5.3	4.0	5.5	4.1	5.7	4.2	6.0	4.0	6.2	3.7	
44	3.9	3.3	4.6	3.8	5.1	3.9	5.3	4.0	5.6	4.0	5.8	3.9	6.0	3.6	
46	3.9	3.3	4.6	3.7	5.0	3.8	5.2	3.9	5.4	3.9	5.6	3.7	5.9	3.5	

12-3. Capacity tables

Duct S (AM***HNMPKH/**)

Cooling

TC: Total Capacity, SHC: Sensible Heat Capacity

Model	Outdoor Temp. (°C, DB)	Indoor temperature (°C, WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
071	10	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	8.0	5.7	8.5	5.4
	12	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.5	5.4
	14	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.5	5.4
	16	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	18	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	20	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	21	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	23	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	25	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	27	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	29	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	31	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	33	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	35	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	37	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.3	5.5	7.8	5.5	8.2	5.2
39	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.3	5.5	7.7	5.4	8.1	5.1	
42	4.9	4.3	5.8	5.0	6.7	5.2	7.0	5.3	7.2	5.4	7.6	5.3	7.9	5.0	
44	4.9	4.3	5.8	5.0	6.5	5.0	6.8	5.2	7.0	5.3	7.3	5.1	7.6	4.8	
46	4.9	4.3	5.7	5.0	6.4	4.9	6.6	5.0	6.8	5.1	7.0	4.9	7.4	4.7	
090	10	6.2	5.7	7.3	6.5	8.4	6.9	9.0	7.1	9.4	7.3	10.1	7.3	10.8	7.3
	12	6.2	5.7	7.3	6.5	8.4	6.9	9.0	7.1	9.4	7.3	10.1	7.3	10.8	7.3
	14	6.2	5.7	7.3	6.5	8.4	6.9	9.0	7.1	9.3	7.2	10.0	7.2	10.7	7.1
	16	6.2	5.7	7.3	6.5	8.4	6.9	9.0	7.1	9.3	7.2	10.0	7.2	10.7	7.1
	18	6.2	5.7	7.3	6.5	8.4	6.9	9.0	7.1	9.3	7.2	10.0	7.2	10.6	7.0
	20	6.2	5.7	7.3	6.5	8.4	6.9	9.0	7.1	9.3	7.2	10.0	7.2	10.6	7.0
	21	6.2	5.7	7.3	6.5	8.4	6.9	9.0	7.1	9.3	7.2	10.0	7.2	10.6	7.0
	23	6.2	5.7	7.3	6.5	8.4	6.9	9.0	7.1	9.3	7.2	10.0	7.2	10.6	7.0
	25	6.2	5.7	7.3	6.5	8.4	6.9	9.0	7.1	9.3	7.2	10.0	7.2	10.6	7.0
	27	6.2	5.7	7.3	6.5	8.4	6.9	9.0	7.1	9.3	7.2	10.0	7.2	10.6	7.0
	29	6.2	5.7	7.3	6.5	8.4	6.9	9.0	7.1	9.3	7.2	10.0	7.2	10.6	7.0
	31	6.2	5.7	7.3	6.5	8.4	6.9	9.0	7.1	9.3	7.2	10.0	7.2	10.6	7.0
	33	6.2	5.7	7.3	6.5	8.4	6.9	9.0	7.1	9.3	7.2	10.0	7.2	10.6	7.0
	35	6.2	5.7	7.3	6.5	8.4	6.9	9.0	7.1	9.3	7.2	10.0	7.2	10.6	7.0
	37	6.2	5.7	7.3	6.5	8.4	6.9	9.0	7.1	9.3	7.2	9.9	7.1	10.4	6.9
39	6.2	5.7	7.3	6.5	8.4	6.9	9.0	7.1	9.2	7.1	9.7	7.0	10.2	6.8	
42	6.2	5.7	7.3	6.5	8.3	6.8	8.9	7.0	9.1	7.0	9.5	6.9	9.9	6.6	
44	6.2	5.7	7.3	6.5	8.1	6.7	8.6	6.8	8.8	6.8	9.2	6.6	9.6	6.4	
46	6.2	5.7	7.2	6.4	8.0	6.6	8.3	6.6	8.6	6.6	8.9	6.4	9.3	6.2	
112	10	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.5	8.9	13.4	8.6
	12	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.5	8.9	13.4	8.6
	14	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.5	8.9	13.4	8.6
	16	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.5	8.9	13.3	8.5
	18	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.5	8.9	13.3	8.5
	20	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	21	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	23	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	25	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	27	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	29	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	31	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	33	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	35	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.7	13.2	8.5
	37	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.9	13.2	8.5
39	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.3	8.8	13.0	8.4	
42	7.7	6.8	9.1	7.7	10.4	8.1	11.1	8.5	11.5	8.7	12.1	8.6	12.7	8.2	
44	7.7	6.8	9.1	7.7	10.1	7.9	10.7	8.2	11.1	8.4	11.6	8.3	12.2	7.9	
46	7.7	6.8	9.0	7.6	10.0	7.8	10.4	8.0	10.8	8.2	11.2	8.0	11.9	7.7	

12-3. Capacity tables

Duct S (AM***HNMPKH/**)

Cooling

TC: Total Capacity, SHC: Sensible Heat Capacity

Model	Outdoor Temp. (°C, DB)	Indoor temperature (°C, WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
128	10	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.3	10.0	15.4	9.9
	12	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.3	10.0	15.3	9.8
	14	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.3	10.0	15.3	9.8
	16	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.2	9.9	15.2	9.8
	18	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.2	9.9	15.1	9.7
	20	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.2	9.9	15.1	9.7
	21	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.2	9.9	15.1	9.7
	23	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.2	9.9	15.1	9.7
	25	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.2	9.9	15.1	9.7
	27	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.2	9.9	15.1	9.7
	29	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.2	9.9	15.1	9.7
	31	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.2	9.9	15.1	9.7
	33	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.2	9.9	15.1	9.7
	35	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.2	9.9	15.1	9.7
	37	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.2	9.9	14.0	9.8	14.9	9.6
	39	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.1	9.8	13.8	9.6	14.5	9.4
42	8.8	7.8	10.4	8.9	11.9	9.4	12.6	9.8	12.9	9.7	13.6	9.4	14.1	9.2	
44	8.8	7.8	10.4	8.9	11.6	9.2	12.2	9.5	12.6	9.4	13.0	9.1	13.6	8.8	
46	8.8	7.8	10.3	8.8	11.4	9.0	11.8	9.2	12.2	9.1	12.6	8.8	13.3	8.6	
140	10	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.6	10.9	15.7	11.0	16.8	10.9
	12	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.6	10.9	16.7	10.8
	14	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.6	10.9	16.7	10.8
	16	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.6	10.9	16.6	10.7
	18	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.5	10.8	16.6	10.7
	20	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.5	10.8	16.5	10.6
	21	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.5	10.8	16.5	10.6
	23	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.5	10.8	16.5	10.6
	25	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.5	10.8	16.5	10.6
	27	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.5	10.8	16.5	10.6
	29	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.5	10.8	16.5	10.6
	31	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.5	10.8	16.5	10.6
	33	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.5	10.8	16.5	10.6
	35	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.5	10.8	16.5	10.6
	37	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.4	10.7	16.3	10.5
	39	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.4	10.7	15.1	10.5	15.9	10.3
42	9.7	8.6	11.4	9.7	13.0	10.4	13.8	10.7	14.2	10.6	14.8	10.3	15.5	10.0	
44	9.7	8.6	11.4	9.7	12.7	10.1	13.4	10.3	13.8	10.3	14.2	9.9	15.0	9.7	
46	9.7	8.6	11.3	9.6	12.4	10.0	12.9	10.0	13.4	10.0	13.8	9.6	14.6	9.4	

Capacity table may be subject to change without prior notice.

- 1) Capacity table comply with EN14511.
- 2) Nominal cooling capacities are based on;
 - Indoor temperature : 27°C DB, 19°C WB
 - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5M, Level differences : 0m
- 3) Nominal heating capacities are based on;
 - Indoor temperature : 20°C DB, 15°C WB
 - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

12-3. Capacity tables

Duct S (AM***HNMPKH/**)

Heating

TC: Total Capacity

Model	Outdoor Temp. (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC kW	TC kW	TC kW	TC kW	TC kW
036	-19.8	-20.0	2.4	2.4	2.3	2.3	2.3
	-18.8	-19.0	2.5	2.4	2.3	2.3	2.3
	-16.7	-17.0	2.6	2.5	2.4	2.4	2.3
	-14.7	-15.0	2.7	2.6	2.5	2.5	2.4
	-12.6	-13.0	2.8	2.7	2.7	2.6	2.6
	-10.5	-11.0	2.9	2.9	2.9	2.8	2.8
	-9.5	-10.0	2.9	2.9	2.9	2.8	2.8
	-8.5	-9.1	3.0	3.0	3.0	2.9	2.9
	-7.0	-7.6	3.1	3.1	3.0	3.0	2.9
	-5.0	-5.6	3.3	3.2	3.2	3.1	3.0
	-3.0	-3.7	3.4	3.4	3.3	3.2	3.1
	0.0	-0.7	3.6	3.6	3.5	3.4	3.2
	3.0	2.2	3.8	3.7	3.7	3.5	3.4
	5.0	4.1	3.9	3.9	3.8	3.6	3.4
	7.0	6.0	4.1	4.1	4.0	3.7	3.4
9.0	7.9	4.2	4.1	4.0	3.7	3.4	
11.0	9.8	4.4	4.2	4.0	3.7	3.4	
13.0	11.8	4.5	4.2	4.0	3.7	3.4	
15.0	13.7	4.6	4.3	4.0	3.7	3.4	
045	-19.8	-20.0	3.1	3.1	2.9	2.9	2.9
	-18.8	-19.0	3.1	3.1	3.0	2.9	2.9
	-16.7	-17.0	3.2	3.2	3.1	3.0	3.0
	-14.7	-15.0	3.3	3.3	3.2	3.1	3.0
	-12.6	-13.0	3.5	3.4	3.4	3.3	3.2
	-10.5	-11.0	3.7	3.6	3.6	3.5	3.4
	-9.5	-10.0	3.7	3.6	3.6	3.5	3.5
	-8.5	-9.1	3.8	3.7	3.7	3.6	3.6
	-7.0	-7.6	3.9	3.8	3.8	3.7	3.6
	-5.0	-5.6	4.1	4.0	4.0	3.9	3.7
	-3.0	-3.7	4.3	4.2	4.2	4.0	3.9
	0.0	-0.7	4.5	4.4	4.4	4.2	4.0
	3.0	2.2	4.7	4.7	4.6	4.4	4.2
	5.0	4.1	4.9	4.9	4.8	4.5	4.2
	7.0	6.0	5.1	5.1	5.0	4.6	4.2
9.0	7.9	5.3	5.2	5.0	4.6	4.2	
11.0	9.8	5.5	5.2	5.0	4.6	4.2	
13.0	11.8	5.6	5.3	5.0	4.6	4.2	
15.0	13.7	5.8	5.4	5.0	4.6	4.2	
056	-19.8	-20.0	3.9	3.8	3.8	3.7	3.7
	-18.8	-19.0	3.9	3.9	3.8	3.7	3.7
	-16.7	-17.0	4.0	4.0	3.9	3.8	3.8
	-14.7	-15.0	4.2	4.1	4.0	3.9	3.8
	-12.6	-13.0	4.4	4.3	4.2	4.1	4.0
	-10.5	-11.0	4.6	4.5	4.4	4.4	4.3
	-9.5	-10.0	4.7	4.6	4.6	4.5	4.4
	-8.5	-9.1	4.8	4.7	4.7	4.6	4.5
	-7.0	-7.6	4.9	4.8	4.8	4.7	4.5
	-5.0	-5.6	5.2	5.1	5.0	4.9	4.7
	-3.0	-3.7	5.4	5.3	5.3	5.1	4.9
	0.0	-0.7	5.7	5.6	5.5	5.3	5.0
	3.0	2.2	5.9	5.9	5.8	5.6	5.3
	5.0	4.1	6.2	6.1	6.0	5.7	5.3
	7.0	6.0	6.5	6.4	6.3	5.8	5.3
9.0	7.9	6.7	6.5	6.3	5.8	5.3	
11.0	9.8	6.9	6.6	6.3	5.8	5.3	
13.0	11.8	7.1	6.7	6.3	5.8	5.3	
15.0	13.7	7.3	6.8	6.3	5.8	5.3	

12-3. Capacity tables

Duct S (AM***HNMPKH/**)

Heating

TC: Total Capacity

Model	Outdoor Temp. (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC	TC	TC	TC	TC
071	-19.8	-20.0	4.9	4.9	4.8	4.7	4.7
	-18.8	-19.0	5.0	4.9	4.8	4.7	4.7
	-16.7	-17.0	5.1	5.0	4.9	4.8	4.8
	-14.7	-15.0	5.3	5.2	5.1	4.9	4.8
	-12.6	-13.0	5.5	5.4	5.3	5.2	5.1
	-10.5	-11.0	5.8	5.7	5.6	5.5	5.5
	-9.5	-10.0	6.0	5.9	5.8	5.7	5.6
	-8.5	-9.1	6.1	6.0	5.9	5.8	5.7
	-7.0	-7.6	6.2	6.1	6.0	5.9	5.8
	-5.0	-5.6	6.5	6.5	6.4	6.2	6.0
	-3.0	-3.7	6.9	6.8	6.7	6.4	6.2
	0.0	-0.7	7.2	7.1	7.0	6.7	6.4
	3.0	2.2	7.6	7.5	7.3	7.1	6.8
	5.0	4.1	7.9	7.8	7.7	7.2	6.8
	7.0	6.0	8.2	8.1	8.0	7.4	6.8
	9.0	7.9	8.5	8.2	8.0	7.4	6.8
11.0	9.8	8.7	8.4	8.0	7.4	6.8	
13.0	11.8	9.0	8.5	8.0	7.4	6.8	
15.0	13.7	9.2	8.6	8.0	7.4	6.8	
090	-19.8	-20.0	6.0	6.0	5.9	5.8	5.8
	-18.8	-19.0	6.1	6.1	6.0	5.9	5.8
	-16.7	-17.0	6.4	6.3	6.1	6.0	5.9
	-14.7	-15.0	6.7	6.5	6.3	6.2	6.1
	-12.6	-13.0	6.9	6.8	6.6	6.5	6.4
	-10.5	-11.0	7.2	7.1	7.0	6.9	6.9
	-9.5	-10.0	7.4	7.3	7.2	7.1	7.0
	-8.5	-9.1	7.6	7.5	7.4	7.2	7.1
	-7.0	-7.6	7.8	7.7	7.6	7.4	7.2
	-5.0	-5.6	8.2	8.1	8.0	7.7	7.5
	-3.0	-3.7	8.6	8.5	8.4	8.1	7.7
	0.0	-0.7	9.0	8.9	8.8	8.4	8.0
	3.0	2.2	9.4	9.3	9.2	8.8	8.4
	5.0	4.1	9.9	9.7	9.6	9.0	8.4
	7.0	6.0	10.3	10.1	10.0	9.2	8.4
	9.0	7.9	10.6	10.3	10.0	9.2	8.4
11.0	9.8	10.9	10.5	10.0	9.2	8.4	
13.0	11.8	11.2	10.6	10.0	9.2	8.4	
15.0	13.7	11.6	10.8	10.0	9.2	8.4	
112	-19.8	-20.0	7.4	7.4	7.3	7.3	7.3
	-18.8	-19.0	7.6	7.6	7.4	7.4	7.3
	-16.7	-17.0	8.1	7.8	7.6	7.5	7.4
	-14.7	-15.0	8.4	8.2	8.0	7.8	7.6
	-12.6	-13.0	8.7	8.5	8.3	8.1	8.0
	-10.5	-11.0	9.1	8.9	8.8	8.7	8.6
	-9.5	-10.0	9.3	9.1	9.0	8.9	8.8
	-8.5	-9.1	9.5	9.3	9.2	9.0	8.9
	-7.0	-7.6	9.7	9.6	9.4	9.2	9.0
	-5.0	-5.6	10.2	10.1	9.9	9.6	9.3
	-3.0	-3.7	10.7	10.6	10.5	10.1	9.7
	0.0	-0.7	11.3	11.1	11.1	10.5	10.0
	3.0	2.2	11.8	11.6	11.5	11.0	10.6
	5.0	4.1	12.3	12.2	12.0	11.3	10.6
	7.0	6.0	12.9	12.7	12.5	11.5	10.6
	9.0	7.9	13.3	12.9	12.5	11.5	10.6
11.0	9.8	13.7	13.1	12.5	11.5	10.6	
13.0	11.8	14.0	13.3	12.5	11.5	10.6	
15.0	13.7	14.4	13.5	12.5	11.5	10.6	

12 Duct S

12-3. Capacity tables

Duct S (AM***HNMPKH/**)

Heating

TC: Total Capacity

Model	Outdoor Temp. (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC	TC	TC	TC	TC
128	-19.8	-20.0	8.1	8.1	8.0	8.0	8.0
	-18.8	-19.0	8.3	8.3	8.2	8.1	8.0
	-16.7	-17.0	8.8	8.6	8.4	8.3	8.1
	-14.7	-15.0	9.3	9.1	8.8	8.6	8.3
	-12.6	-13.0	9.6	9.4	9.2	9.0	8.8
	-10.5	-11.0	10.0	9.9	9.8	9.6	9.4
	-9.5	-10.0	10.2	10.1	10.0	9.8	9.7
	-8.5	-9.1	10.4	10.3	10.2	10.0	9.8
	-7.0	-7.6	10.7	10.6	10.4	10.2	10.0
	-5.0	-5.6	11.3	11.1	11.0	10.7	10.3
	-3.0	-3.7	11.9	11.7	11.5	11.1	10.7
	0.0	-0.7	12.4	12.3	12.1	11.6	11.0
	3.0	2.2	13.0	12.9	12.7	12.2	11.7
	5.0	4.1	13.6	13.4	13.2	12.4	11.7
	7.0	6.0	14.2	14.0	13.8	12.7	11.7
	9.0	7.9	14.6	14.2	13.8	12.7	11.7
11.0	9.8	15.1	14.4	13.8	12.7	11.7	
13.0	11.8	15.5	14.7	13.8	12.7	11.7	
15.0	13.7	15.9	14.9	13.8	12.7	11.7	
140	-19.8	-20.0	9.5	9.5	9.4	9.4	9.3
	-18.8	-19.0	9.7	9.7	9.5	9.5	9.3
	-16.7	-17.0	10.2	10.0	9.7	9.6	9.4
	-14.7	-15.0	10.8	10.5	10.2	9.9	9.6
	-12.6	-13.0	11.1	10.9	10.7	10.4	10.1
	-10.5	-11.0	11.6	11.5	11.3	11.1	10.9
	-9.5	-10.0	11.8	11.7	11.5	11.4	11.2
	-8.5	-9.1	12.1	11.9	11.8	11.6	11.3
	-7.0	-7.6	12.4	12.2	12.1	11.8	11.5
	-5.0	-5.6	13.1	12.9	12.7	12.3	12.0
	-3.0	-3.7	13.8	13.6	13.4	12.9	12.4
	0.0	-0.7	14.4	14.2	14.0	13.4	12.8
	3.0	2.2	15.1	14.9	14.7	14.1	13.5
	5.0	4.1	15.8	15.6	15.3	14.4	13.5
	7.0	6.0	16.5	16.2	16.0	14.8	13.5
	9.0	7.9	17.0	16.5	16.0	14.8	13.5
11.0	9.8	17.5	16.7	16.0	14.8	13.5	
13.0	11.8	18.0	17.0	16.0	14.8	13.5	
15.0	13.7	18.5	17.2	16.0	14.8	13.5	

Capacity table may be subject to change without prior notice.

- 1) Capacity table comply with EN14511.
- 2) Nominal cooling capacities are based on;
 - Indoor temperature : 27°C DB, 19°C WB
 - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5M, Level differences : 0m
- 3) Nominal heating capacities are based on;
 - Indoor temperature : 20°C DB, 15°C WB
 - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

12-3. Capacity tables

Duct S (AM***HNHPKH/**)

Cooling

TC: Total Capacity, SHC: Sensible Heat Capacity

Model	Outdoor Temp. (°C, DB)	Indoor temperature (°C, WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
112	10	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.5	8.9	13.4	8.6
	12	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.5	8.9	13.4	8.6
	14	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.5	8.9	13.4	8.6
	16	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.5	8.9	13.3	8.5
	18	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.5	8.9	13.3	8.5
	20	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	21	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	23	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	25	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	27	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	29	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	31	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	33	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.8	13.2	8.5
	35	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.7	13.2	8.5
	37	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.4	8.9	13.2	8.5
	39	7.7	6.8	9.1	7.7	10.5	8.2	11.2	8.6	11.6	8.8	12.3	8.8	13.0	8.4
	42	7.7	6.8	9.1	7.7	10.4	8.1	11.1	8.5	11.5	8.7	12.1	8.6	12.7	8.2
	44	7.7	6.8	9.1	7.7	10.1	7.9	10.7	8.2	11.1	8.4	11.6	8.3	12.2	7.9
46	7.7	6.8	9.0	7.6	10.0	7.8	10.4	8.0	10.8	8.2	11.2	8.0	11.9	7.7	
128	10	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.3	10.0	15.4	9.9
	12	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.3	10.0	15.3	9.8
	14	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.3	10.0	15.3	9.8
	16	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.2	9.9	15.2	9.8
	18	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.2	9.9	15.1	9.7
	20	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.2	9.9	15.1	9.7
	21	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.2	9.9	15.1	9.7
	23	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.2	9.9	15.1	9.7
	25	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.2	9.9	15.1	9.7
	27	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.2	9.9	15.1	9.7
	29	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.2	9.9	15.1	9.7
	31	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.2	9.9	15.1	9.7
	33	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.2	9.9	15.1	9.7
	35	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.3	9.9	14.2	9.9	15.1	9.7
	37	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.2	9.9	14.0	9.8	14.9	9.6
	39	8.8	7.8	10.4	8.9	12.0	9.5	12.8	9.9	13.1	9.8	13.8	9.6	14.5	9.4
	42	8.8	7.8	10.4	8.9	11.9	9.4	12.6	9.8	12.9	9.7	13.6	9.4	14.1	9.2
	44	8.8	7.8	10.4	8.9	11.6	9.2	12.2	9.5	12.6	9.4	13.0	9.1	13.6	8.8
46	8.8	7.8	10.3	8.8	11.4	9.0	11.8	9.2	12.2	9.1	12.6	8.8	13.3	8.6	
140	10	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.6	10.9	15.7	11.0	16.8	10.9
	12	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.6	10.9	16.7	10.8
	14	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.6	10.9	16.7	10.8
	16	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.6	10.9	16.6	10.7
	18	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.5	10.8	16.6	10.7
	20	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.5	10.8	16.5	10.6
	21	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.5	10.8	16.5	10.6
	23	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.5	10.8	16.5	10.6
	25	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.5	10.8	16.5	10.6
	27	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.5	10.8	16.5	10.6
	29	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.5	10.8	16.5	10.6
	31	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.5	10.8	16.5	10.6
	33	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.5	10.8	16.5	10.6
	35	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.5	10.8	16.5	10.6
	37	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.5	10.8	15.4	10.7	16.3	10.5
	39	9.7	8.6	11.4	9.7	13.1	10.5	14.0	10.8	14.4	10.7	15.1	10.5	15.9	10.3
	42	9.7	8.6	11.4	9.7	13.0	10.4	13.8	10.7	14.2	10.6	14.8	10.3	15.5	10.0
	44	9.7	8.6	11.4	9.7	12.7	10.1	13.4	10.3	13.8	10.3	14.2	9.9	15.0	9.7
46	9.7	8.6	11.3	9.6	12.4	10.0	12.9	10.0	13.4	10.0	13.8	9.6	14.6	9.4	

Capacity table may be subject to change without prior notice.

- 1) Capacity table comply with EN14511.
- 2) Nominal cooling capacities are based on;
 - Indoor temperature : 27°C DB, 19°C WB
 - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5M, Level differences : 0m
- 3) Nominal heating capacities are based on;
 - Indoor temperature : 20°C DB, 15°C WB
 - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

12-3. Capacity tables

Duct S (AM***HNHPKH/**)

Heating

TC: Total Capacity

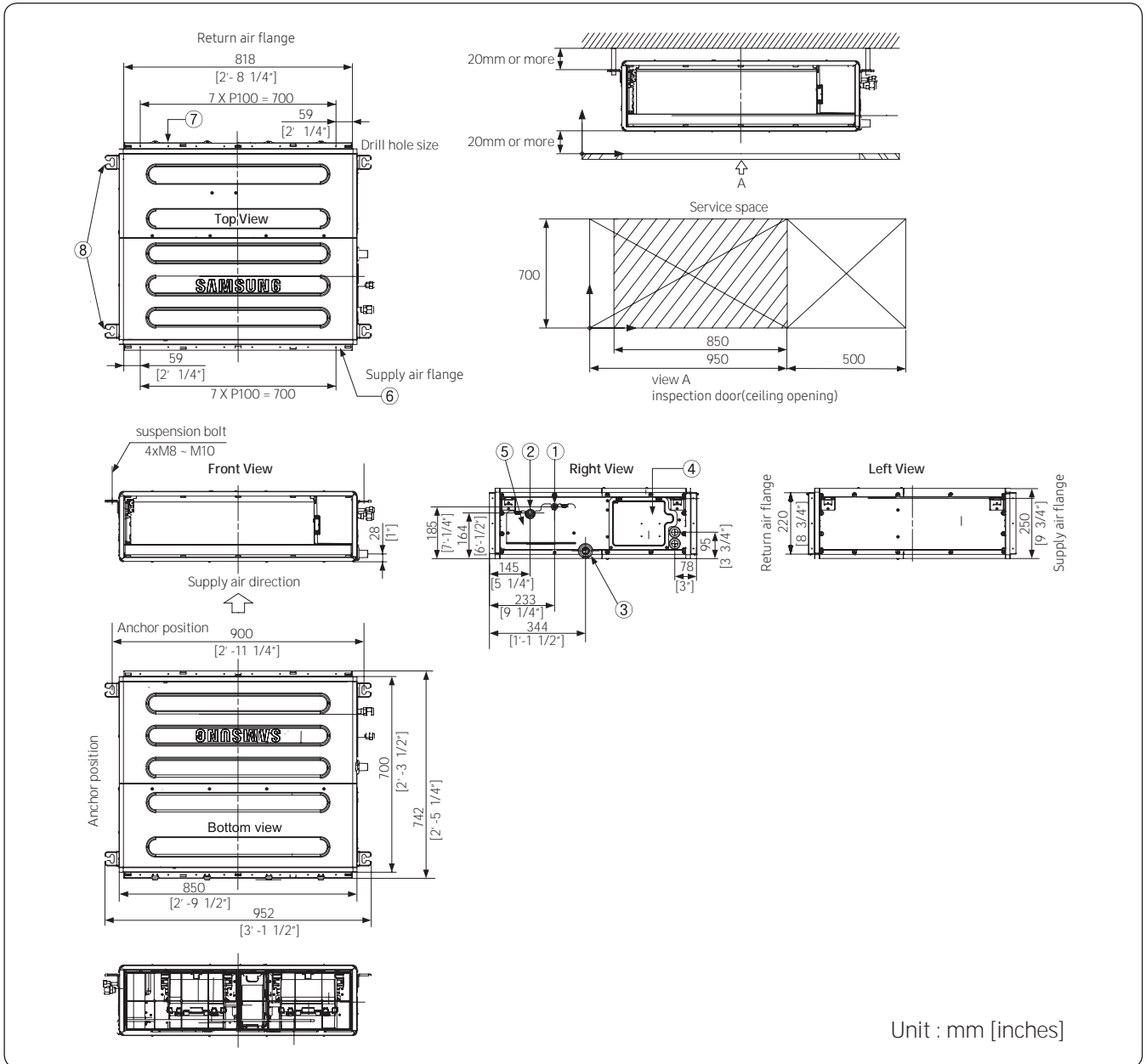
Model	Outdoor Temp. (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC kW	TC kW	TC kW	TC kW	TC kW
112	-19.8	-20.0	7.4	7.4	7.3	7.3	7.3
	-18.8	-19.0	7.6	7.6	7.4	7.4	7.3
	-16.7	-17.0	8.1	7.8	7.6	7.5	7.4
	-14.7	-15.0	8.4	8.2	8.0	7.8	7.6
	-12.6	-13.0	8.7	8.5	8.3	8.1	8.0
	-10.5	-11.0	9.1	8.9	8.8	8.7	8.6
	-9.5	-10.0	9.3	9.1	9.0	8.9	8.8
	-8.5	-9.1	9.5	9.3	9.2	9.0	8.9
	-7.0	-7.6	9.7	9.6	9.4	9.2	9.0
	-5.0	-5.6	10.2	10.1	9.9	9.6	9.3
	-3.0	-3.7	10.7	10.6	10.5	10.1	9.7
	0.0	-0.7	11.3	11.1	11.1	10.5	10.0
	3.0	2.2	11.8	11.6	11.5	11.0	10.6
	5.0	4.1	12.3	12.2	12.0	11.3	10.6
	7.0	6.0	12.9	12.7	12.5	11.5	10.6
	9.0	7.9	13.3	12.9	12.5	11.5	10.6
	11.0	9.8	13.7	13.1	12.5	11.5	10.6
13.0	11.8	14.0	13.3	12.5	11.5	10.6	
15.0	13.7	14.4	13.5	12.5	11.5	10.6	
128	-19.8	-20.0	8.1	8.1	8.0	8.0	8.0
	-18.8	-19.0	8.3	8.3	8.2	8.1	8.0
	-16.7	-17.0	8.8	8.6	8.4	8.3	8.1
	-14.7	-15.0	9.3	9.1	8.8	8.6	8.3
	-12.6	-13.0	9.6	9.4	9.2	9.0	8.8
	-10.5	-11.0	10.0	9.9	9.8	9.6	9.4
	-9.5	-10.0	10.2	10.1	10.0	9.8	9.7
	-8.5	-9.1	10.4	10.3	10.2	10.0	9.8
	-7.0	-7.6	10.7	10.6	10.4	10.2	10.0
	-5.0	-5.6	11.3	11.1	11.0	10.7	10.3
	-3.0	-3.7	11.9	11.7	11.5	11.1	10.7
	0.0	-0.7	12.4	12.3	12.1	11.6	11.0
	3.0	2.2	13.0	12.9	12.7	12.2	11.7
	5.0	4.1	13.6	13.4	13.2	12.4	11.7
	7.0	6.0	14.2	14.0	13.8	12.7	11.7
	9.0	7.9	14.6	14.2	13.8	12.7	11.7
	11.0	9.8	15.1	14.4	13.8	12.7	11.7
13.0	11.8	15.5	14.7	13.8	12.7	11.7	
15.0	13.7	15.9	14.9	13.8	12.7	11.7	
140	-19.8	-20.0	9.5	9.5	9.4	9.4	9.3
	-18.8	-19.0	9.7	9.7	9.5	9.5	9.3
	-16.7	-17.0	10.2	10.0	9.7	9.6	9.4
	-14.7	-15.0	10.8	10.5	10.2	9.9	9.6
	-12.6	-13.0	11.1	10.9	10.7	10.4	10.1
	-10.5	-11.0	11.6	11.5	11.3	11.1	10.9
	-9.5	-10.0	11.8	11.7	11.5	11.4	11.2
	-8.5	-9.1	12.1	11.9	11.8	11.6	11.3
	-7.0	-7.6	12.4	12.2	12.1	11.8	11.5
	-5.0	-5.6	13.1	12.9	12.7	12.3	12.0
	-3.0	-3.7	13.8	13.6	13.4	12.9	12.4
	0.0	-0.7	14.4	14.2	14.0	13.4	12.8
	3.0	2.2	15.1	14.9	14.7	14.1	13.5
	5.0	4.1	15.8	15.6	15.3	14.4	13.5
	7.0	6.0	16.5	16.2	16.0	14.8	13.5
	9.0	7.9	17.0	16.5	16.0	14.8	13.5
	11.0	9.8	17.5	16.7	16.0	14.8	13.5
13.0	11.8	18.0	17.0	16.0	14.8	13.5	
15.0	13.7	18.5	17.2	16.0	14.8	13.5	

Capacity table may be subject to change without prior notice.

- 1) Capacity table comply with EN14511.
- 2) Nominal cooling capacities are based on;
 - Indoor temperature : 27°C DB, 19°C WB
 - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5M, Level differences : 0m
- 3) Nominal heating capacities are based on;
 - Indoor temperature : 20°C DB, 15°C WB
 - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

12-4. Dimensional drawing

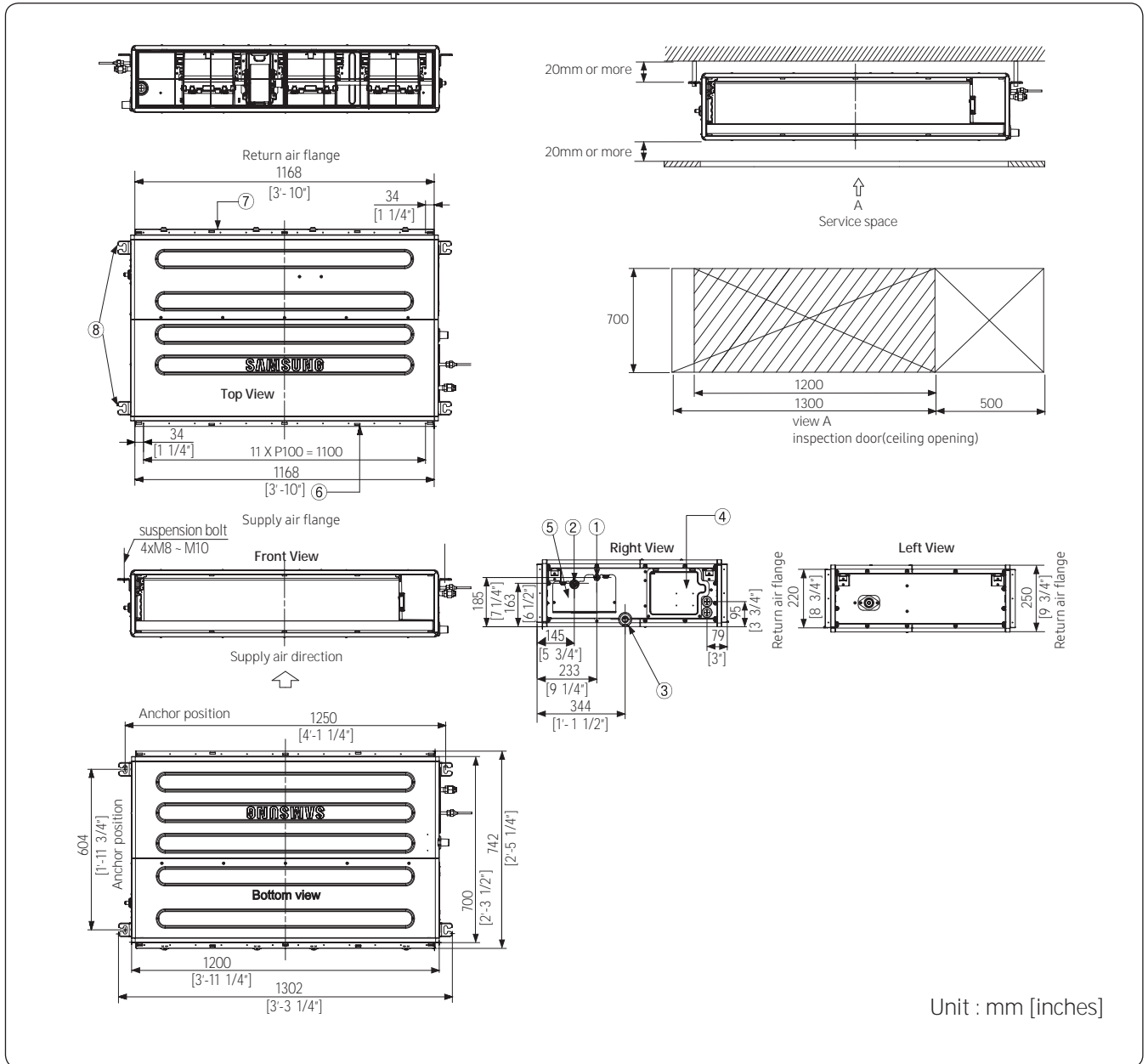
AM036HNMPKH/EU, AM045HNMPKH/EU, AM056HNMPKH/EU, AM071HNMPKH/**



No.	Name	Description	
		~ 5.6 kW	7.1 kW
①	Refrigerant liquid pipe	Ø6.35 [1/4"] Flare	Ø9.52 [3/8"] Flare
②	Refrigerant gas pipe	Ø12.7 [1/2"] Flare	Ø15.88 [5/8"] Flare
③	Condensate drain	VP25 (OD 32, ID 25)	
④	Power & Comm. wiring conduits	-	-
⑤	Refrigerant pipe conduits	-	-
⑥	Supply air flange	-	-
⑦	Return air flange	-	-
⑧	Hook	-	-

12-4. Dimensional drawing

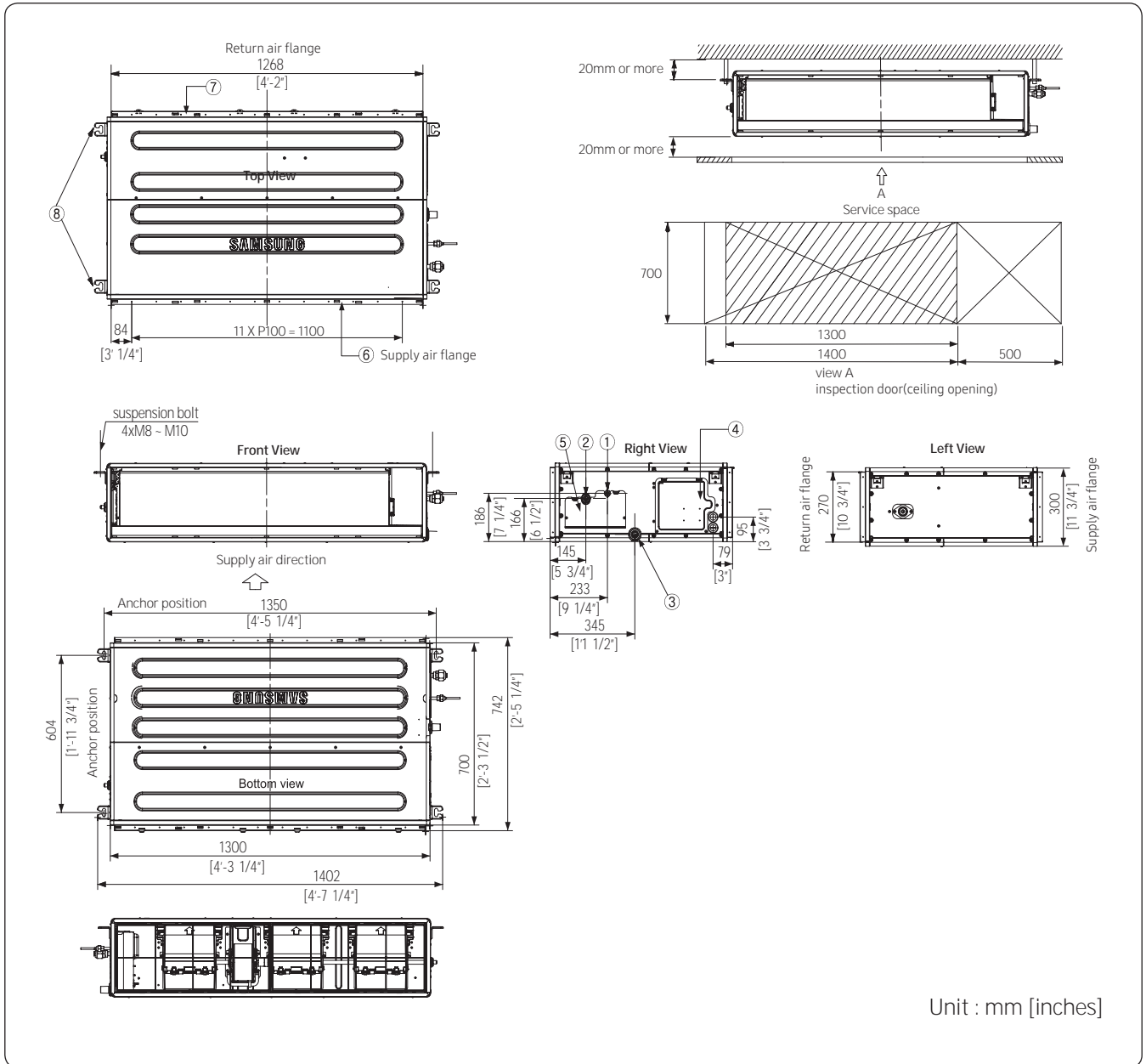
AM090HNMPKH/**



No.	Name	Description
①	Refrigerant liquid pipe	Ø9.52 [3/8"] Flare connection
②	Refrigerant gas pipe	Ø15.88 [5/8"] Flare connection
③	Condensate drain	VP25 (OD 32, ID 25)
④	Power & Comm. wiring conduits	-
⑤	Refrigerant pipe conduits	-
⑥	Supply air flange	-
⑦	Return air flange	-
⑧	Hook	-

12-4. Dimensional drawing

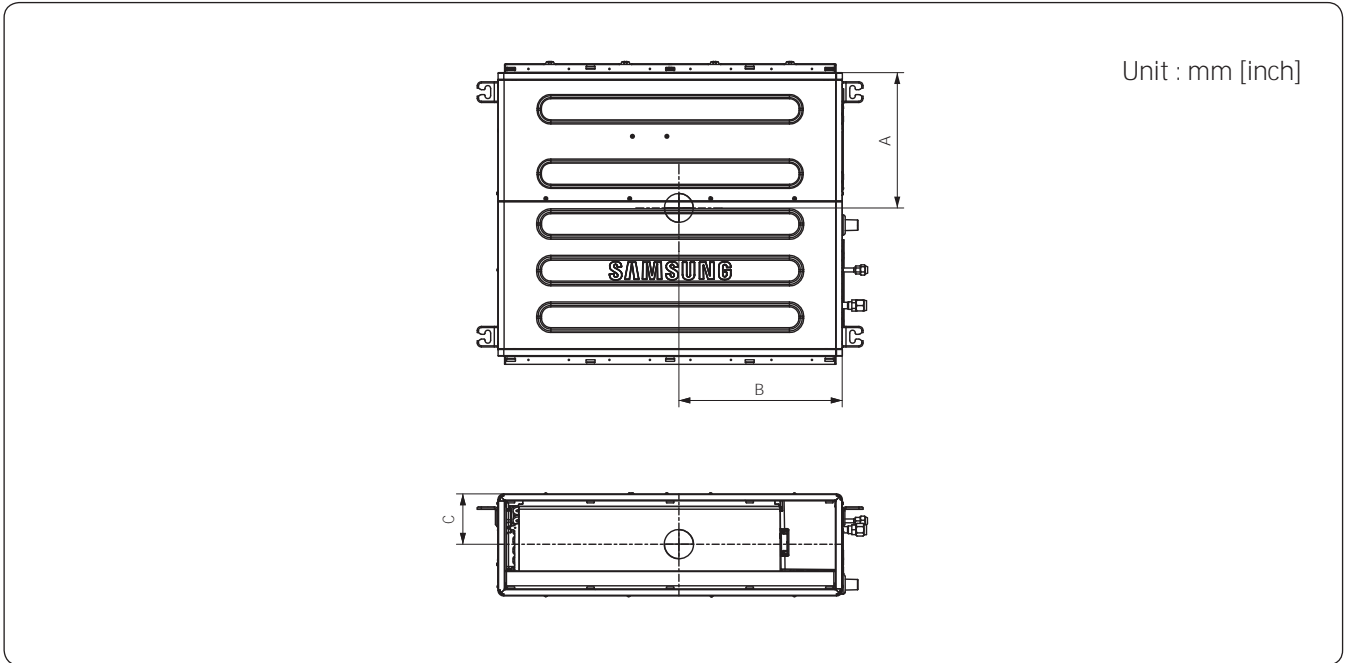
AM112HNMPKH/**, AM128HNMPKH/**, AM140HNMPKH/**, AM112HNHPKH/**, AM128HNHPKH/**, AM140HNHPKH/**



No.	Name	Description
①	Refrigerant liquid pipe	Ø9.52 [3/8"] Flare connection
②	Refrigerant gas pipe	Ø15.88 [5/8"] Flare connection
③	Condensate drain	VP25 (OD 32, ID 25)
④	Power & Comm. wiring conduits	-
⑤	Refrigerant pipe conduits	-
⑥	Supply air flange	-
⑦	Return air flange	-
⑧	Hook	-

12 Duct S

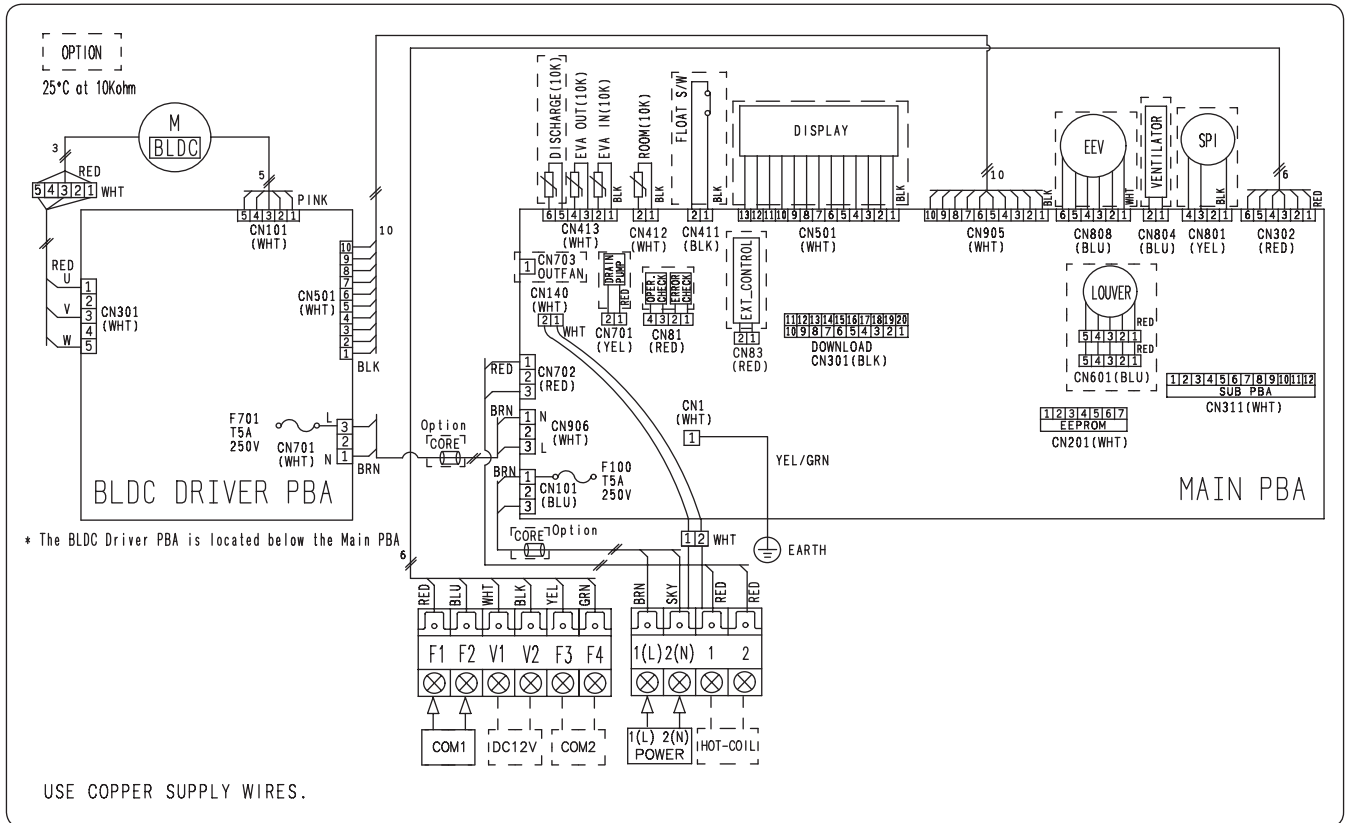
12-5. Center of Gravity



Model	A	B	C
3.6kW / 4.5kW / 5.6kW / 7.1kW	334	403	125
9.0kW	266	564	125
11.2kW / 12.8kW / 14.0kW	266	650	150

12-6. Electrical Wiring Diagram

AM036HNMPKH/EU, AM045HNMPKH/EU, AM056HNMPKH/EU,
 AM071HNMPKH/**, AM090HNMPKH/**, AM112HNMPKH/**, AM128HNMPKH/**, AM140HNMPKH/**



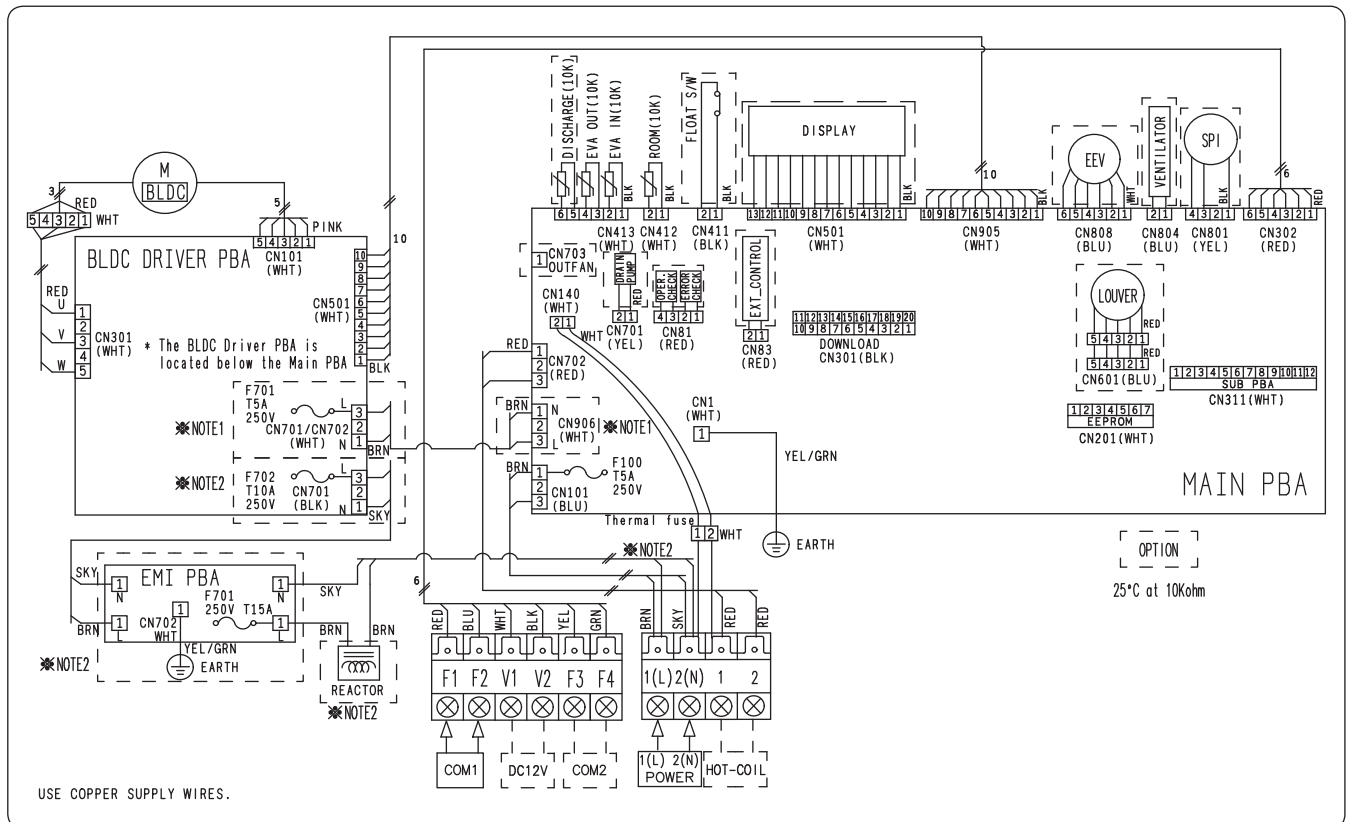
MAIN PBA	Printed Circuit board(MAIN)	EEV	electronic expansion valve	DISCHARGE(10K)	Thermistor DISCHARGE(10K)
BLDC DRIVER PBA	Printed Circuit board(BLDC DRIVER)	SPI		EVA-OUT(10K)	Thermistor EVA OUT(10K)
EMI PBA	Printed Circuit board(emi)	ROOM(10K)	Thermistor ROOM OUT(10K)	EVA-IN(10K)	Thermistor EVA IN(10K)

NOTE

- This wiring diagram applies only to the Indoor unit.
- Symbols show as follow :
 blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: sky blue, grn: green
- For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remote controller transmission F3-F4.
- ⊕ Protective earth(SCREW)

12-6. Electrical Wiring Diagram

AM112HNHPKH/**, AM128HNHPKH/**, AM140HNHPKH/**



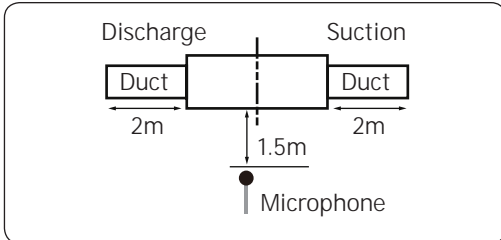
MAIN PBA	Printed Circuit board(MAIN)	EEV	electronic expansion valve	DISCHARGE(10K)	Thermistor DISCHARGE(10K)
BLDC DRIVER PBA	Printed Circuit board(BLDC DRIVER)	SPI		EVA-OUT(10K)	Thermistor EVA OUT(10K)
EMI PBA	Printed Circuit board(emi)	ROOM(10K)	Thermistor ROOM OUT(10K)	EVA-IN(10K)	Thermistor EVA IN(10K)

NOTE

- This wiring diagram applies only to the Indoor unit.
- Symbols show as follow :
blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: sky blue, grn: green
- For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remote controller transmission F3-F4.
- ⊕ Protective earth(SCREW)

12-7. Sound Data

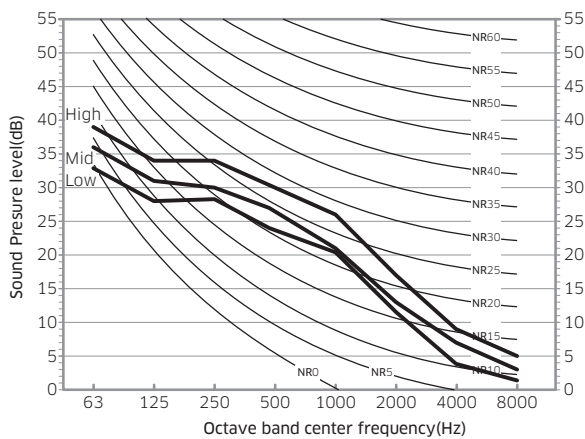
Sound pressure level



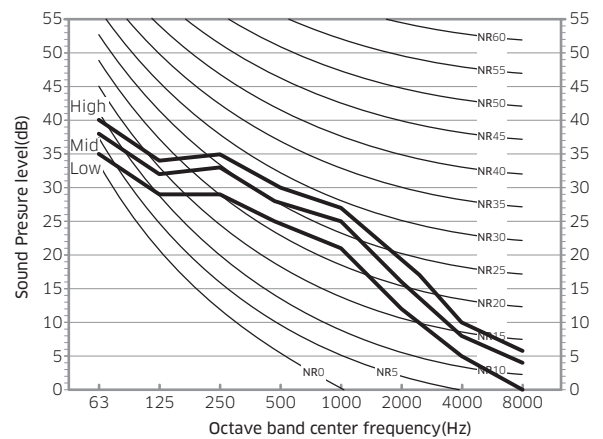
MODEL	Unit: dB(A)		
	HIGH	MID	LOW
AM036HNMPKH/EU	29	26	23
AM045HNMPKH/EU	31	28	24

NR Curve

1) AM036HNMPKH/EU



2) AM045HNMPKH/EU



Fan options		ESP	Sound Pressure (dBA)		
			mmAq	High	Mid
Default	010054-1C5081-202424-331205	2.5	29	26	23
Option	010054-1C50E3-202424-331205	5.0	32	29	27
	010054-1C5459-202424-331205	7.5	33	30	28
	010054-1C54CD-202424-331205	10.0	34	31	29
	010054-1C5931-202424-331205	12.5	35	32	30
	010054-1C5983-202424-331205	15.0	35	33	31

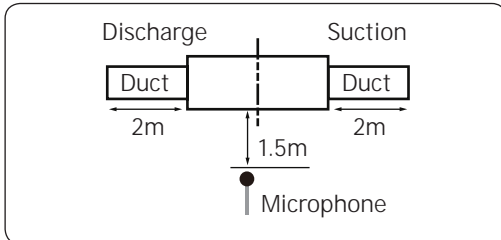
Fan options		ESP	Sound Pressure (dBA)		
			mmAq	High	Mid
Default	010054-1C50D1-202D2D-331204	3.0	31	28	24
Option	010054-1C5453-202D2D-331204	6.0	33	31	28
	010054-1C5453-202D2D-331205	9.0	34	32	29
	010054-1C5453-202D2D-331206	12.0	35	33	30
	010054-1C5453-202D2D-331207	15.0	36	34	31

NOTE

- Specifications may be subject to change without prior notice.
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level.
 - Reference acoustic pressure 0 dB = 20μPa

12-7. Sound Data

Sound pressure level

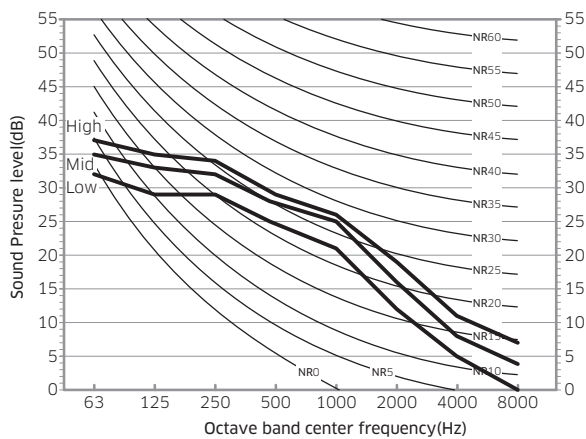


Unit: dB(A)

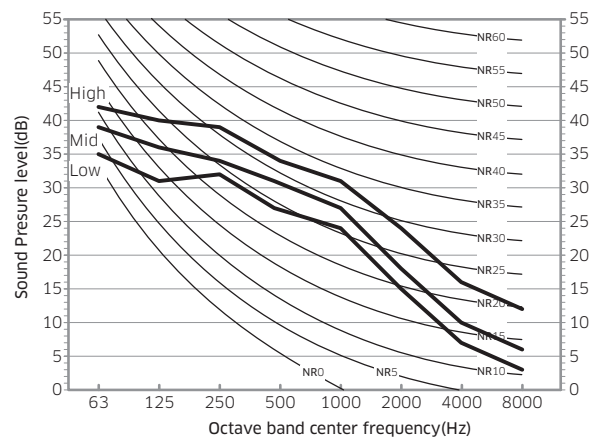
MODEL	HIGH	MID	LOW
AM056HNMPKH/EU	32	29	25
AM071HNMPKH/**	37	33	29

NR Curve

3) AM056HNMPKH/EU



4) AM071HNMPKH/**



Fan options		ESP	Sound Pressure (dBA)		
			mmAq	High	Mid
Default	010054-1C50F1-203838-331203	3.0	32	29	25
Option	010054-1C5447-203838-331203	6.0	34	32	30
	010054-1C54AB-203838-331203	9.0	35	33	31
	010054-1C581F-203838-331203	12.0	36	34	32
	010054-1C5973-203838-331203	15.0	39	37	34

Fan options		ESP	Sound Pressure (dBA)		
			mmAq	High	Mid
Default	010054-1C548D-204747-331201	3.0	37	33	29
Option	010054-1C55E1-204747-331201	6.0	38	35	31
	010054-1C5935-204747-331201	9.0	40	37	33
	010054-1C5989-204747-331201	12.0	41	38	34
	010054-1C59DF-204747-331201	15.0	43	41	35

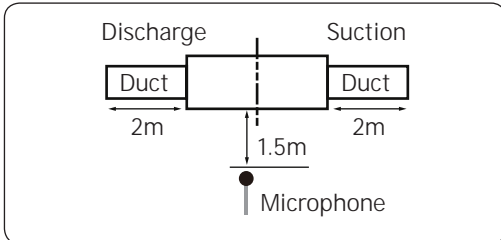
NOTE

- Specifications may be subject to change without prior notice.
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level.
 - Reference acoustic pressure 0 dB = 20μPa

12 Duct S

12-7. Sound Data

Sound pressure level

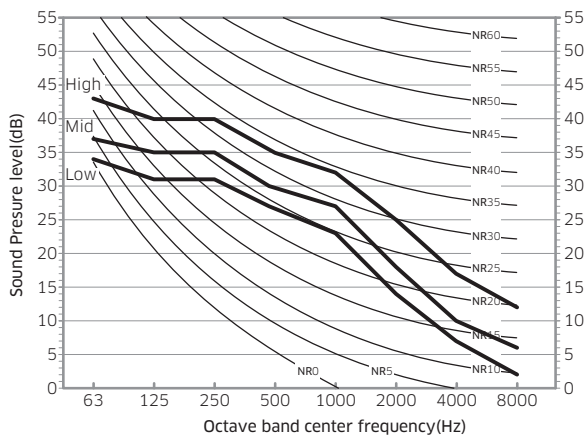


Unit: dB(A)

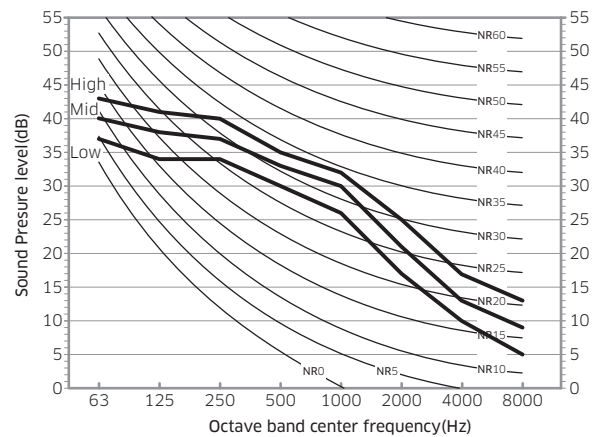
MODEL	HIGH	MID	LOW
AM090HNMPKH/**	38	35	32
AM112HNMPKH/**	38	35	32

NR Curve

1) AM090HNMPKH/**



2) AM112HNMPKH/**



Fan options		ESP	Sound Pressure (dBA)		
			mmAq	High	Mid
Default	010054-1C546D-205A5A-331212	4.0	38	35	32
Option	010054-1C55E3-205A5A-331212	8.0	40	37	35
	010054-1C5969-205A5A-331212	12.0	42	40	38
	010054-1C59CD-205A5A-331212	15.0	45	43	40

Fan options		ESP	Sound Pressure (dBA)		
			mmAq	High	Mid
Default	010054-1C5412-207070-331223	5.2	38	35	32
Option	010054-1C5466-207070-331223	8.0	40	37	33
	010054-1C54EA-207070-331223	12.0	43	42	41
	010054-1C583E-207070-331223	15.0	46	45	44

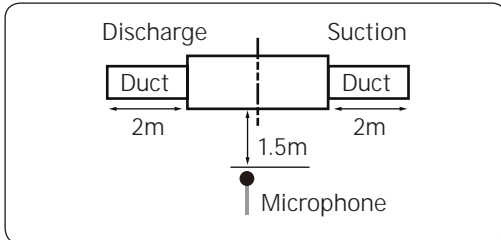
NOTE

- Specifications may be subject to change without prior notice.
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level.
 - Reference acoustic pressure 0 dB = 20μPa

12 Duct S

12-7. Sound Data

Sound pressure level

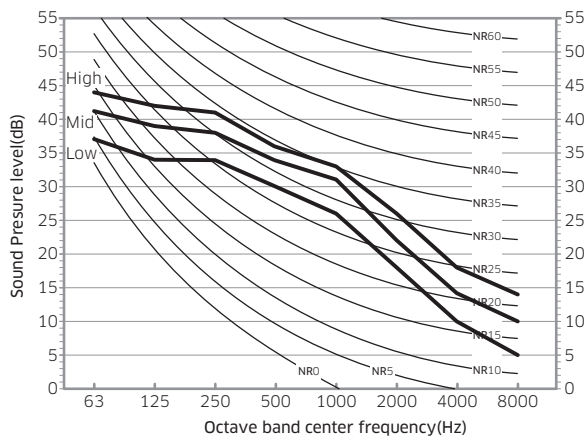


Unit: dB(A)

MODEL	HIGH	MID	LOW
AM128HNMPKH/**	39	36	33
AM140HNMPKH/**	40	37	33

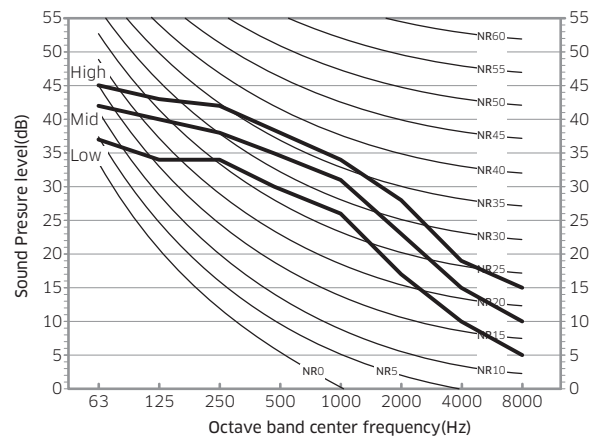
NR Curve

3) AM128HNMPKH/**



Fan options		ESP mmAq	Sound Pressure (dBA)		
			High	Mid	Low
Default	010054-1C5426-208080-331222	5.2	39	36	33
Option	010054-1C5478-208080-331222	8.0	42	39	35
	010054-1C54EE-208080-331222	12.0	44	43	42
	010054-1C5920-208080-331222	15.0	47	46	45

4) AM140HNMPKH/**



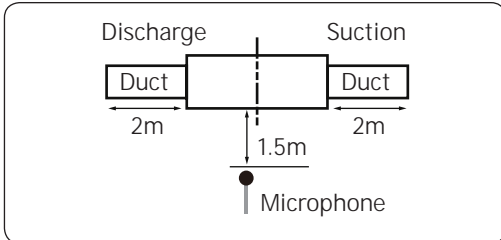
Fan options		ESP mmAq	Sound Pressure (dBA)		
			High	Mid	Low
Default	010054-1C5444-208C8C-331221	5.2	40	37	33
Option	010054-1C5498-208C8C-331221	8.0	44	40	35
	010054-1C54FA-208C8C-331221	12.0	45	43	42
	010054-1C583E-208C8C-331221	15.0	48	46	45

NOTE

- Specifications may be subject to change without prior notice.
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level.
 - Reference acoustic pressure 0 dB = 20μPa

12-7. Sound Data

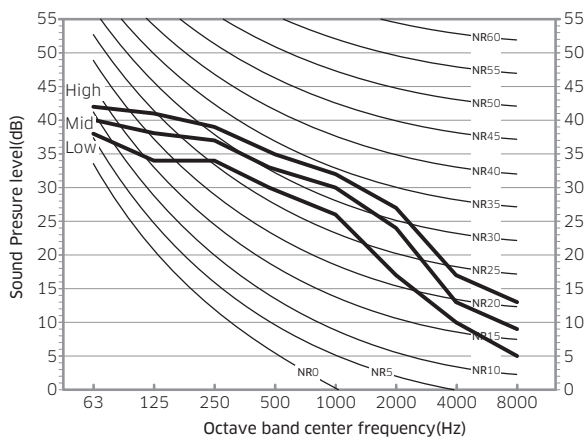
Sound pressure level



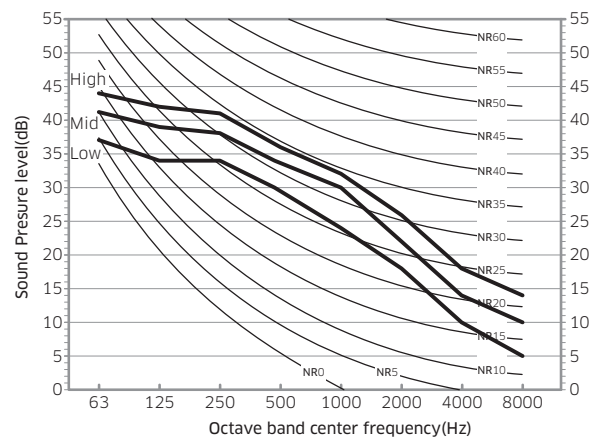
MODEL	Unit: dB(A)		
	HIGH	MID	LOW
AM112HNHPKH/**	38	35	32
AM128HNHPKH/**	39	36	33

NR Curve

1) AM112HNHPKH/**



2) AM128HNHPKH/**



Fan options		ESP	Sound Pressure (dBA)		
			mmAq	High	Mid
Default	010054-1C5446-207070-331226	6.2	38	35	32
Option	010054-1C54A7-207070-331226	9.0	40	37	33
	010054-1C54C9-207070-331226	11.0	42	41	40
	010054-1C580B-207070-331226	13.0	43	42	41
	010054-1C584D-207070-331226	15.0	46	45	44
	010054-1C587F-207070-331226	17.0	47	46	45
	010054-1C59A1-207070-331226	19.0	48	47	46
	010054-1C59B2-207070-331226	20.0	49	48	47

Fan options		ESP	Sound Pressure (dBA)		
			mmAq	High	Mid
Default	010054-1C5466-208080-331225	6.2	39	36	33
Option	010054-1C54B9-208080-331225	9.0	42	39	35
	010054-1C54EC-208080-331225	11.0	44	43	42
	010054-1C581E-208080-331225	13.0	46	45	44
	010054-1C5940-208080-331225	15.0	47	46	45
	010054-1C5982-208080-331225	17.0	48	47	46
	010054-1C59B3-208080-331225	19.0	49	48	47
	010054-1C59C4-208080-331225	20.0	50	49	48

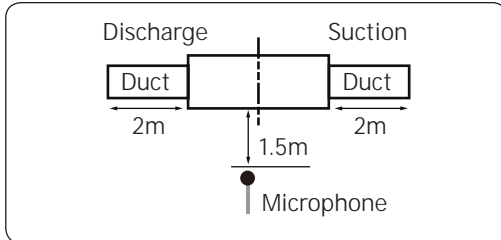
NOTE

- Specifications may be subject to change without prior notice.
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level.
 - Reference acoustic pressure 0 dB = 20μPa

12 Duct S

12-7. Sound Data

Sound pressure level

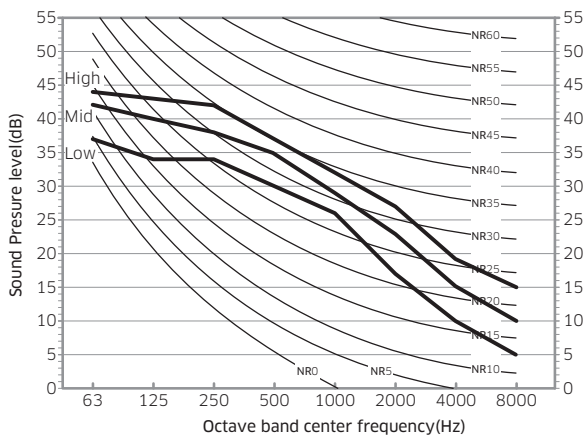


Unit: dB(A)

MODEL	HIGH	MID	LOW
AM140HNHPKH/**	40	37	34

NR Curve

3) AM140HNHPKH/**



Fan options		ESP	Sound Pressure (dBA)		
		mmAq	High	Mid	Low
Default	010054-1C5486-208C8C-331224	6.2	40	37	34
Option	010054-1C54D7-208C8C-331224	9.0	44	40	35
	010054-1C5809-208C8C-331224	11.0	45	43	42
	010054-1C583B-208C8C-331224	13.0	47	45	44
	010054-1C586D-208C8C-331224	15.0	48	46	45
	010054-1C588F-208C8C-331224	17.0	49	47	46
	010054-1C59C0-208C8C-331224	19.0	50	48	47
	010054-1C59D1-208C8C-331224	20.0	51	49	48

NOTE

- Specifications may be subject to change without prior notice.
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level.
 - Reference acoustic pressure 0 dB = 20μPa

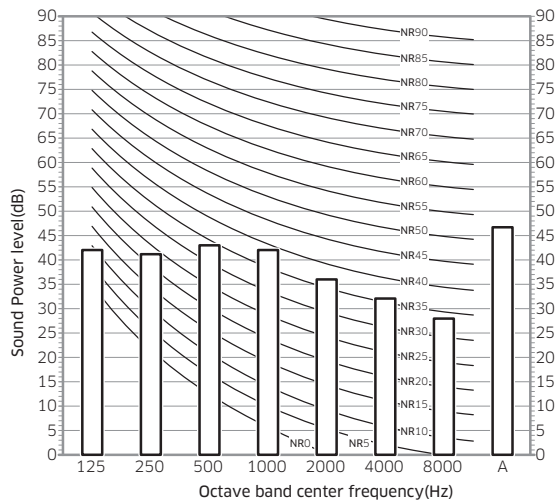
12-7. Sound Data

Sound power level

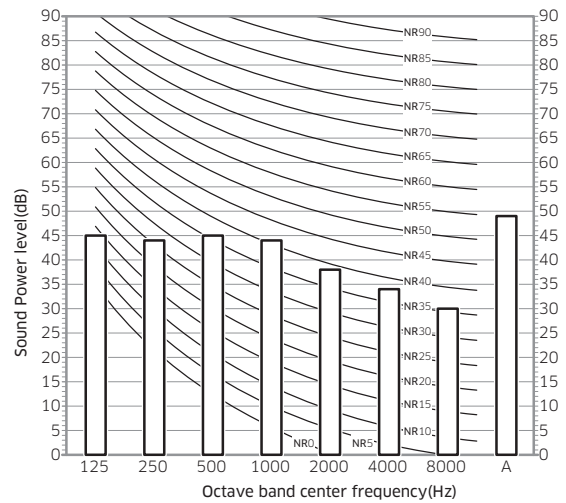
Unit: dB(A)

MODEL	Power	MODEL	Power
AM036HNMPKH/EU	47	AM056HNMPKH/EU	49
AM045HNMPKH/EU	49	AM071HNMPKH/**	57

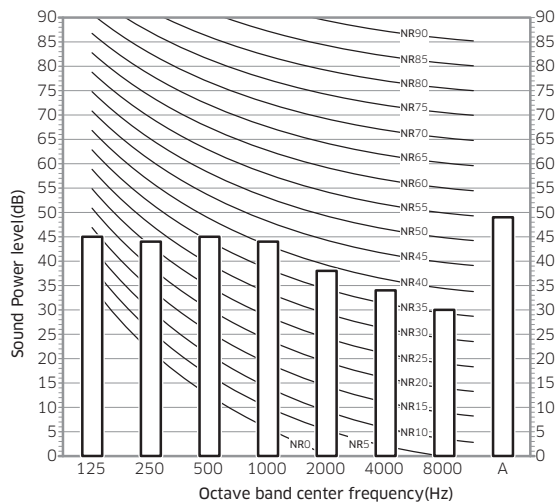
1) AM036HNMPKH/EU



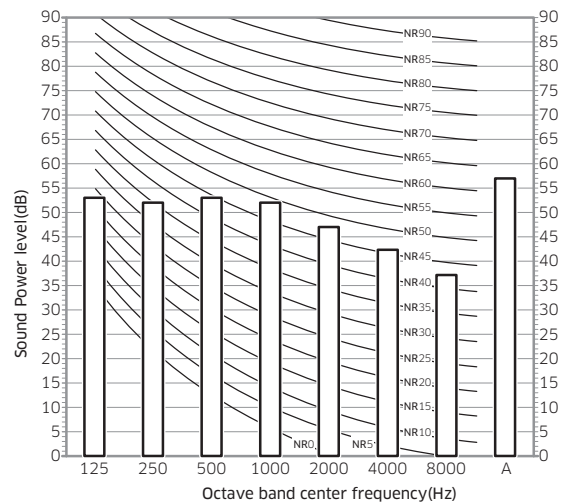
2) AM045HNMPKH/EU



3) AM056HNMPKH/EU



4) AM071HNMPKH/**



NOTE

- Specifications may be subject to change without prior notice
 - Sound power level is an absolute value that a sound source generates
 - dBA = A-weighted sound power level
 - Reference power : 1pW
 - Measured according to ISO 3741

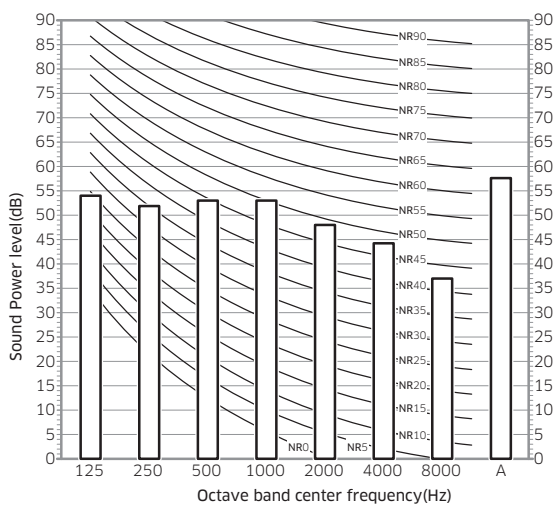
12-7. Sound Data

Sound power level

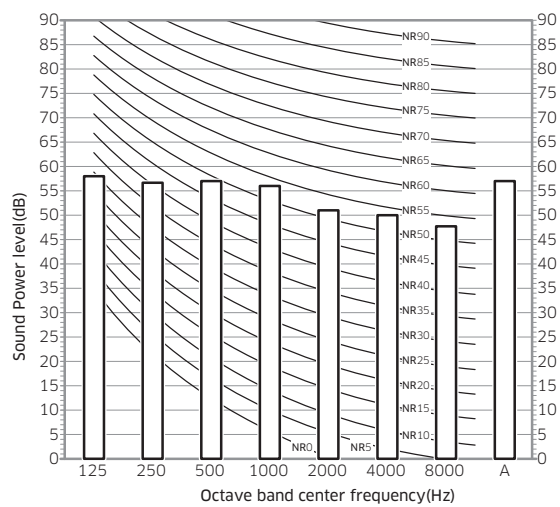
Unit: dB(A)

MODEL	Power	MODEL	Power
AM090HNMPKH/**	58	AM128HNMPKH/**	62
AM112HNMPKH/**	62	AM140HNMPKH/**	64

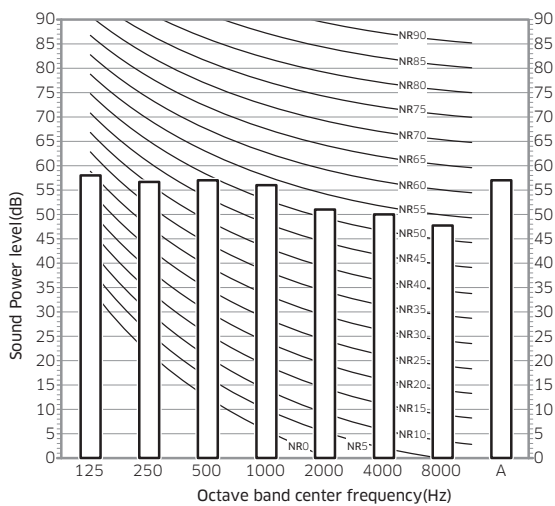
1) AM090HNMPKH/**



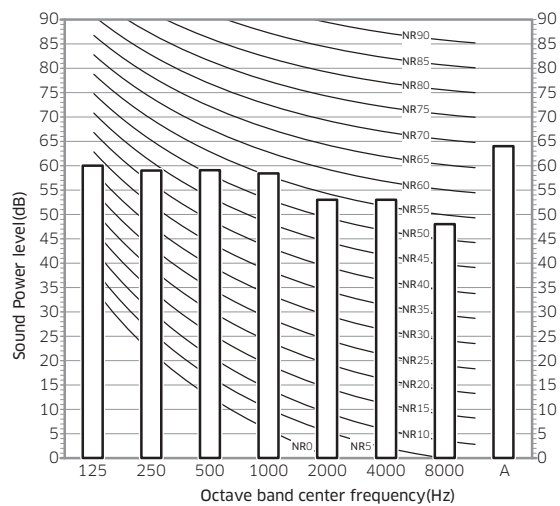
2) AM112HNMPKH/**



3) AM128HNMPKH/**



4) AM140HNMPKH/**



NOTE

- Specifications may be subject to change without prior notice
 - Sound power level is an absolute value that a sound source generates
 - dBA = A-weighted sound power level
 - Reference power : 1pW
 - Measured according to ISO 3741

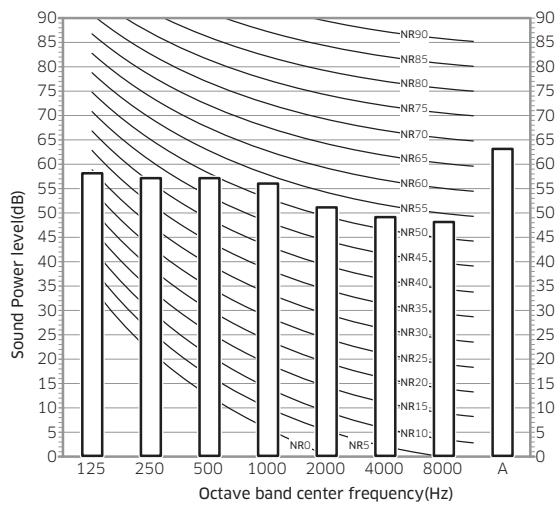
12-7. Sound Data

Sound power level

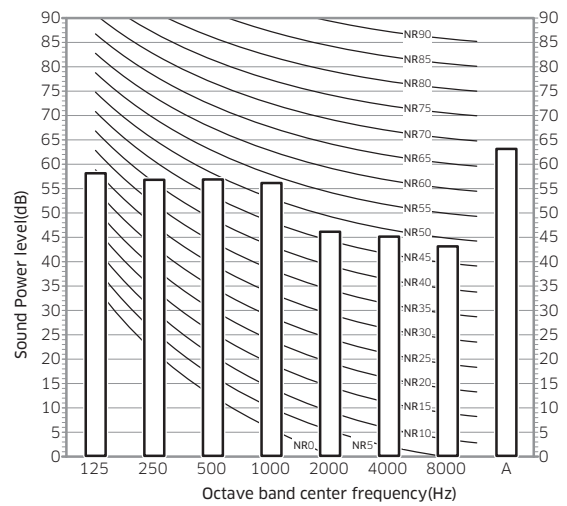
Unit: dB(A)

MODEL	Power	MODEL	Power
AM112HNHPKH/**	63	AM140HNHPKH/**	65
AM128HNHPKH/**	63		

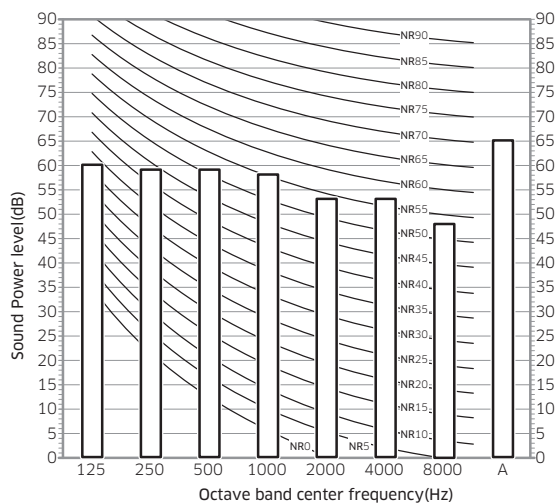
1) AM112HNHPKH/**



2) AM128HNHPKH/**



3) AM140HNHPKH/**



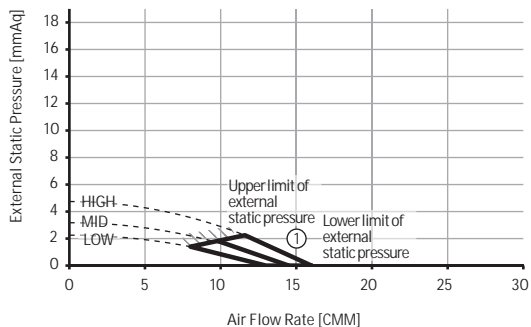
NOTE

- Specifications may be subject to change without prior notice
 - Sound power level is an absolute value that a sound source generates
 - dBA = A-weighted sound power level
 - Reference power : 1pW
 - Measured according to ISO 3741

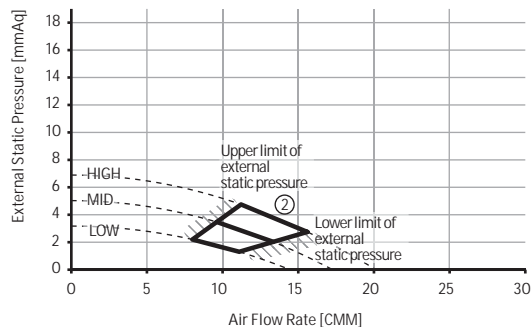
12-8. Fan Characteristics

1) AMO36HNMPKH/EU

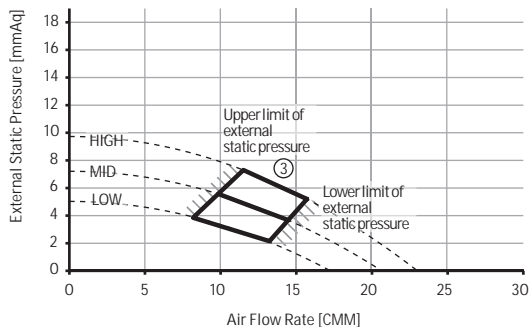
①	External Static Pressure(mmAq)	Option Code
	$0 \leq SP \leq 2.5$	010054-1C5081-202424-331205



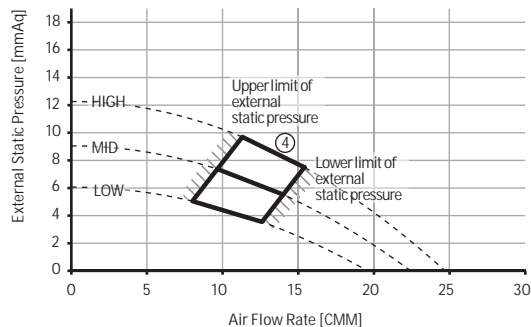
②	External Static Pressure(mmAq)	Option Code
	$2.5 < SP \leq 5$	010054-1C50E3-202424-331205



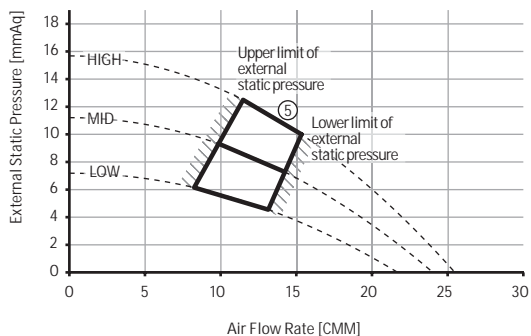
③	External Static Pressure(mmAq)	Option Code
	$5 < SP \leq 7.5$	010054-1C5459-202424-331205



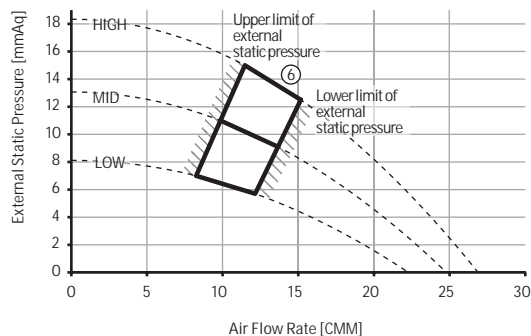
④	External Static Pressure(mmAq)	Option Code
	$7.5 < SP \leq 10$	010054-1C54CD-202424-331205



⑤	External Static Pressure(mmAq)	Option Code
	$10 < SP \leq 12.5$	010054-1C5931-202424-331205



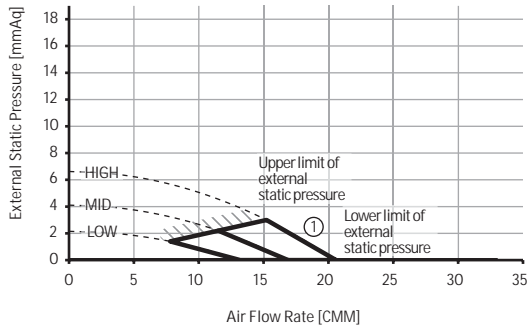
⑥	External Static Pressure(mmAq)	Option Code
	$12.5 < SP \leq 15$	010054-1C5983-202424-331205



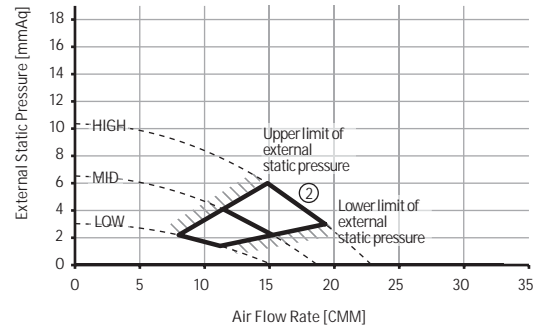
12-8. Fan Characteristics

2) AM045HNMPKH/EU

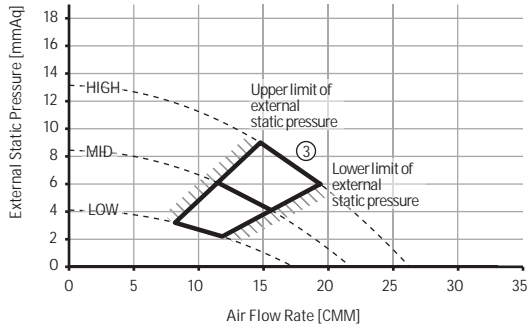
①	External Static Pressure(mmAq)	Option Code
	0 ≤ SP ≤ 3	010054-1C50D1-202D2D-331204



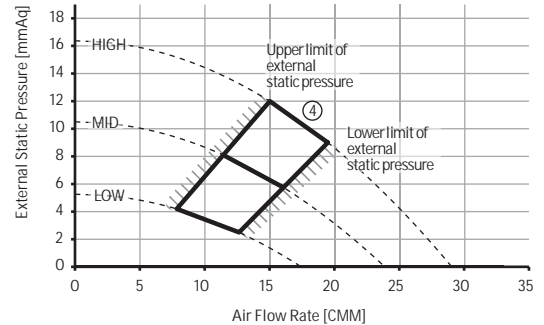
②	External Static Pressure(mmAq)	Option Code
	3 < SP ≤ 6	010054-1C5453-202D2D-331204



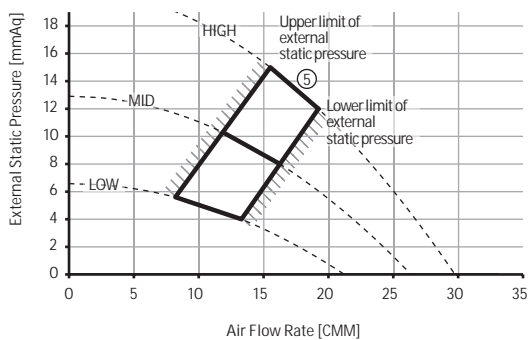
③	External Static Pressure(mmAq)	Option Code
	6 < SP ≤ 9	010054-1C54C7-202D2D-331204



④	External Static Pressure(mmAq)	Option Code
	9 < SP ≤ 12	010054-1C583B-202D2D-331204



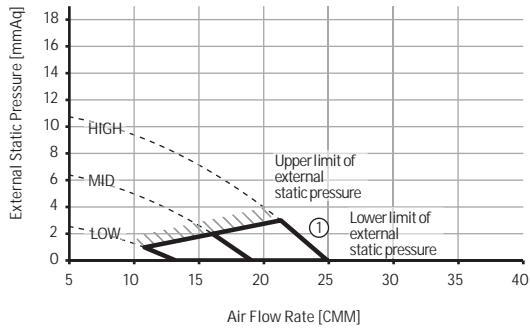
⑤	External Static Pressure(mmAq)	Option Code
	12 < SP ≤ 15	010054-1C58AF-202D2D-331204



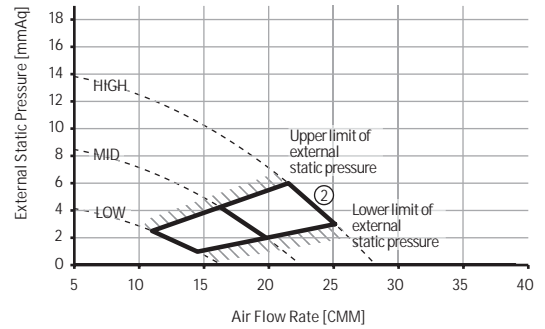
12-8. Fan Characteristics

3) AM056HNMPKH/EU

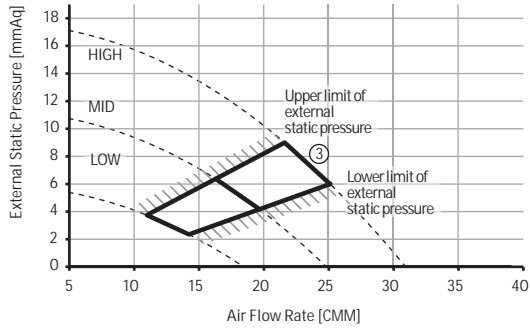
①	External Static Pressure(mmAq)	Option Code
	0 ≤ SP ≤ 3	010054-1C50F1-203838-331203



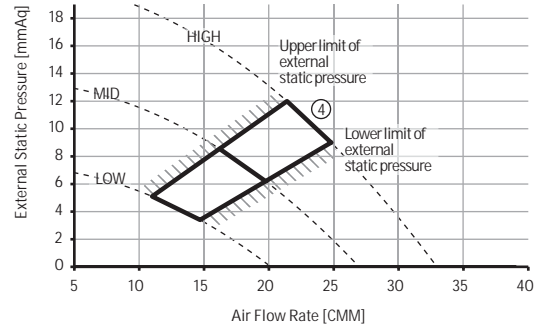
②	External Static Pressure(mmAq)	Option Code
	3 < SP ≤ 6	010054-1C5447-203838-331203



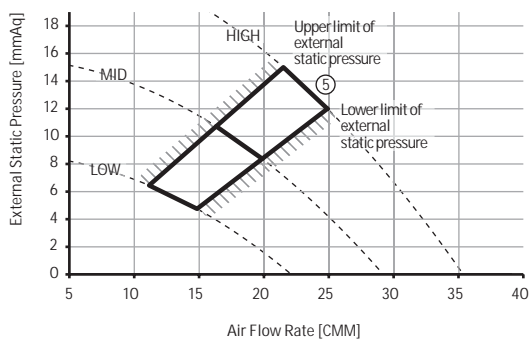
③	External Static Pressure(mmAq)	Option Code
	6 < SP ≤ 9	010054-1C54AB-203838-331203



④	External Static Pressure(mmAq)	Option Code
	9 < SP ≤ 12	010054-1C581F-203838-331203



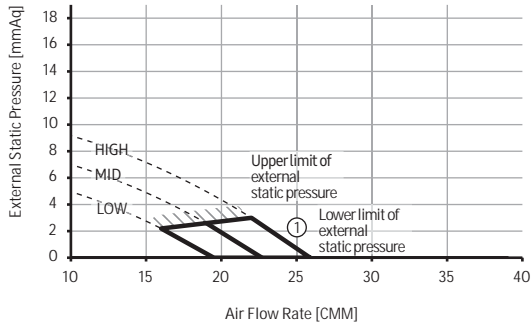
⑤	External Static Pressure(mmAq)	Option Code
	12 < SP ≤ 15	010054-1C5973-203838-331203



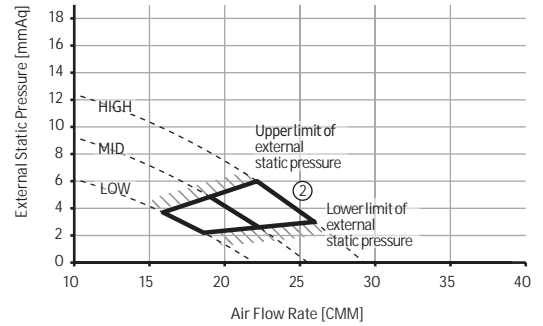
12-8. Fan Characteristics

4) AM071HNMPKH/**

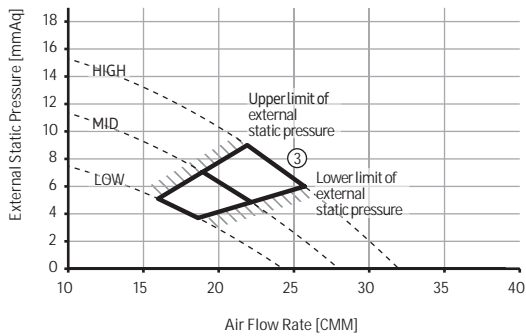
①	External Static Pressure(mmAq)	Option Code
	$0 \leq SP \leq 3$	010054-1C548D-204747-331201



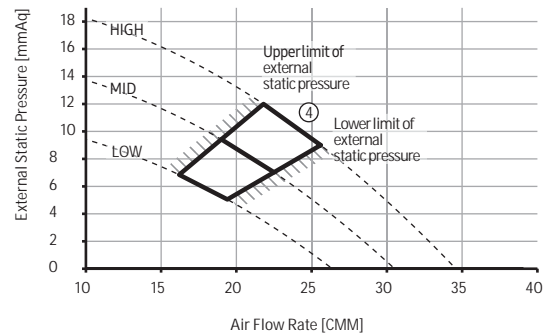
②	External Static Pressure(mmAq)	Option Code
	$3 < SP \leq 6$	010054-1C55E1-204747-331201



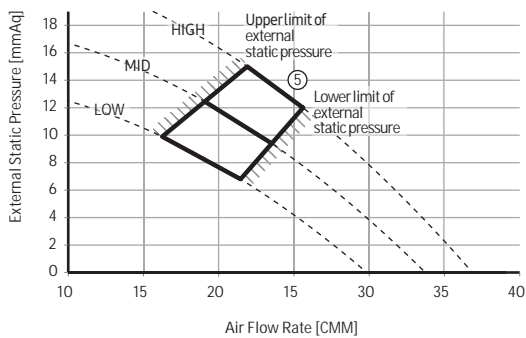
③	External Static Pressure(mmAq)	Option Code
	$6 < SP \leq 9$	010054-1C5935-204747-331201



④	External Static Pressure(mmAq)	Option Code
	$9 < SP \leq 12$	010054-1C5989-204747-331201



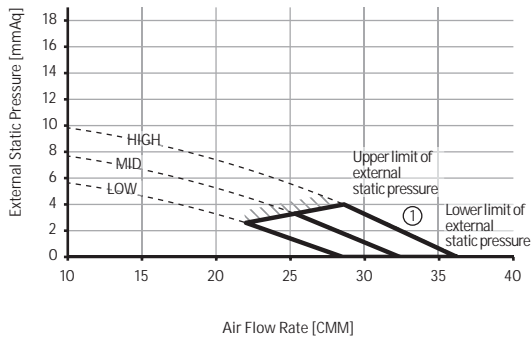
⑤	External Static Pressure(mmAq)	Option Code
	$12 < SP \leq 15$	010054-1C59DF-204747-331201



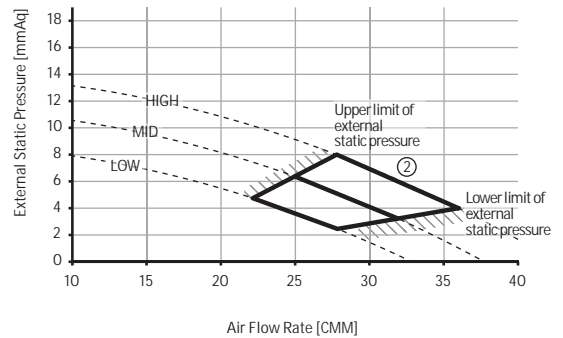
12-8. Fan Characteristics

5) AM090HNMPKH/**

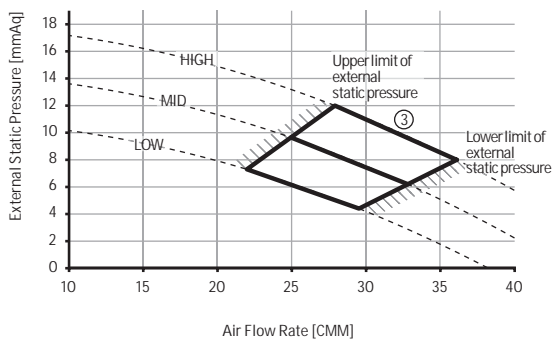
①	External Static Pressure(mmAq)	Option Code
	$0 \leq SP \leq 4$	010054-1C546D-205A5A-331212



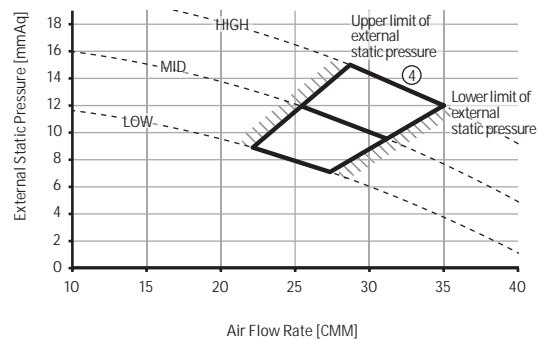
②	External Static Pressure(mmAq)	Option Code
	$4 < SP \leq 8$	010054-1C55E3-205A5A-331212



③	External Static Pressure(mmAq)	Option Code
	$8 < SP \leq 12$	010054-1C5969-205A5A-331212

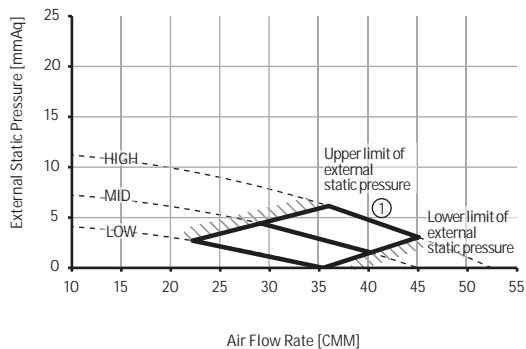


④	External Static Pressure(mmAq)	Option Code
	$12 < SP \leq 15$	010054-1C59CD-205A5A-331212

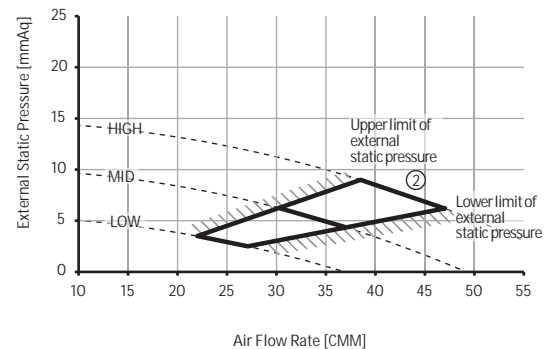


6) AM112HNHPKH/**

①	External Static Pressure(mmAq)	Option Code
	$3 \leq SP \leq 6.2$	010054-1C5446-207070-331226



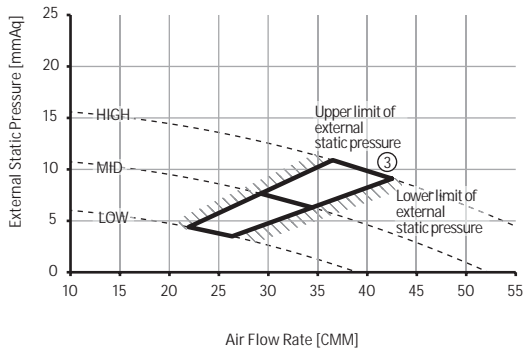
②	External Static Pressure(mmAq)	Option Code
	$6.2 < SP \leq 9$	010054-1C54A7-207070-331226



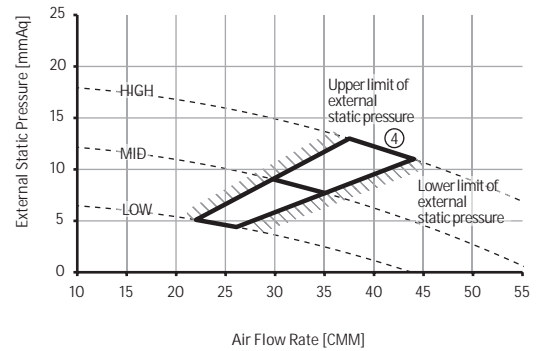
12-8. Fan Characteristics

6) AM112HNHPKH/**

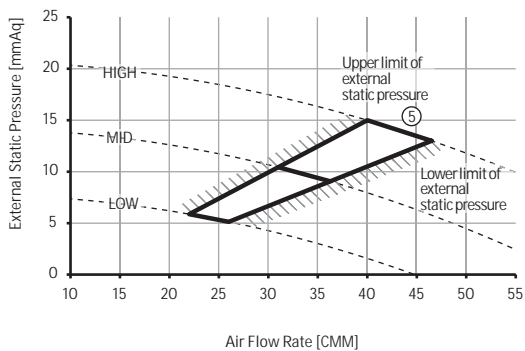
③	External Static Pressure(mmAq)	Option Code
	9 < SP ≤ 11	010054-1C54C9-207070-331226



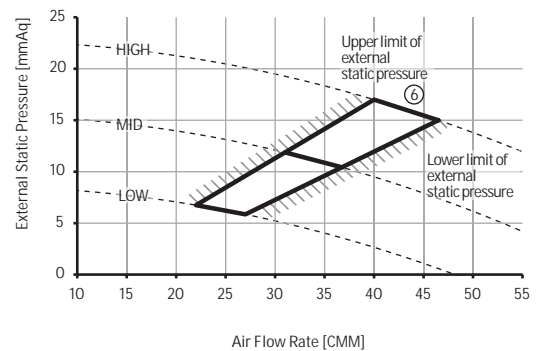
④	External Static Pressure(mmAq)	Option Code
	11 < SP ≤ 13	010054-1C580B-207070-331226



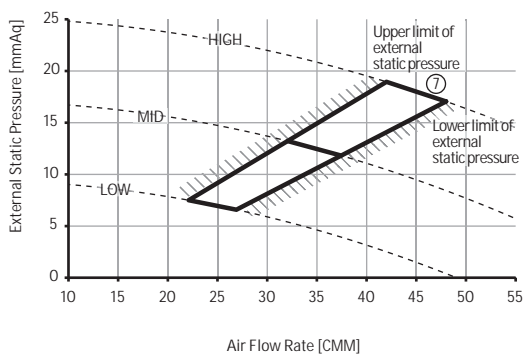
⑤	External Static Pressure(mmAq)	Option Code
	13 < SP ≤ 15	010054-1C584D-207070-331226



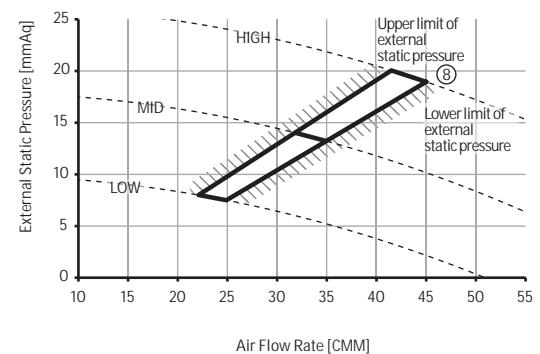
⑥	External Static Pressure(mmAq)	Option Code
	15 < SP ≤ 17	010054-1C587F-207070-331226



⑦	External Static Pressure(mmAq)	Option Code
	17 < SP ≤ 19	010054-1C59A1-207070-331226



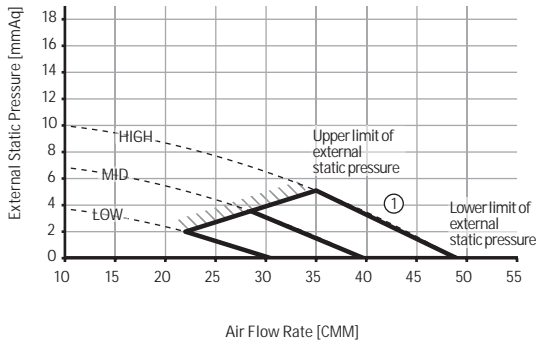
⑧	External Static Pressure(mmAq)	Option Code
	19 < SP ≤ 20	010054-1C59B2-207070-331226



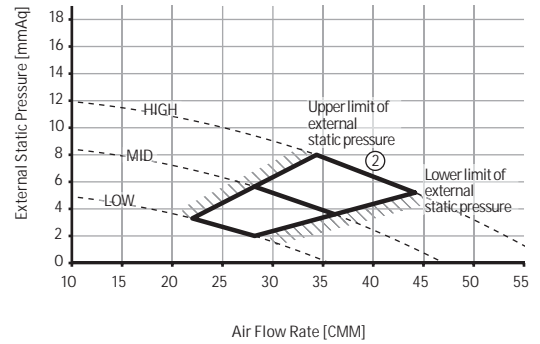
12-8. Fan Characteristics

7) AM112HNMPKH/**

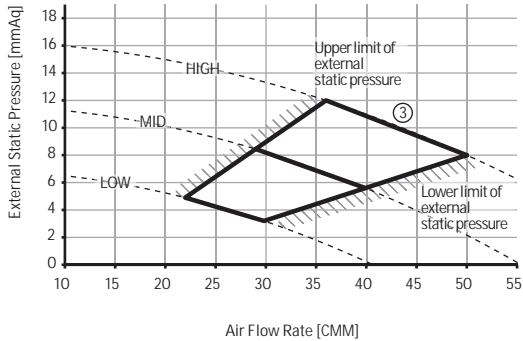
①	External Static Pressure(mmAq)	Option Code
	0 ≤ SP ≤ 5.2	010054-1C5412-207070-331223



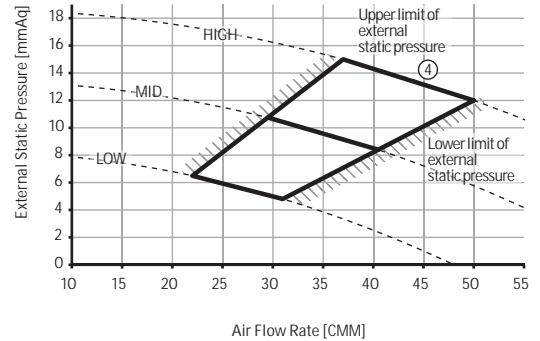
②	External Static Pressure(mmAq)	Option Code
	5.2 < SP ≤ 8	010054-1C5466-207070-331223



③	External Static Pressure(mmAq)	Option Code
	8 < SP ≤ 12	010054-1C54EA-207070-331223



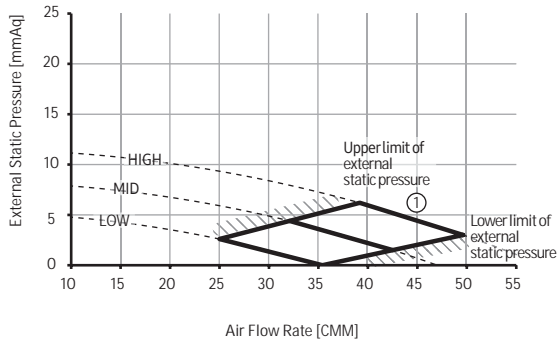
④	External Static Pressure(mmAq)	Option Code
	12 < SP ≤ 15	010054-1C583E-207070-331223



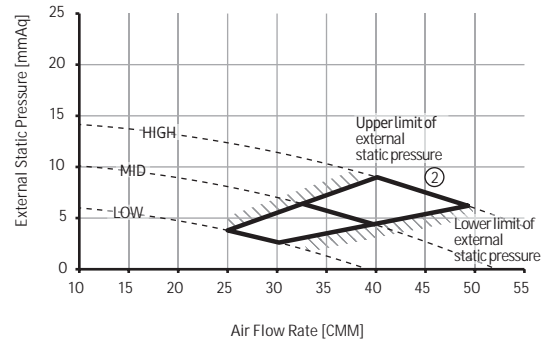
12-8. Fan Characteristics

8) AM128HNHPKH/**

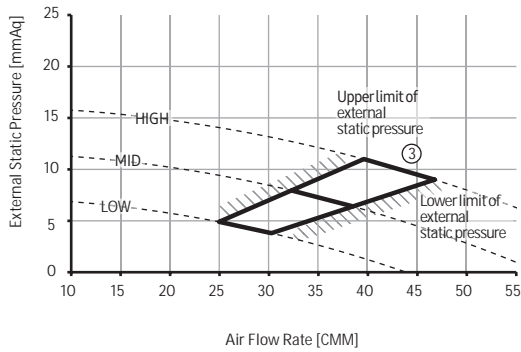
①	External Static Pressure(mmAq)	Option Code
	$3 \leq SP \leq 6.2$	010054-1C5466-208080-331225



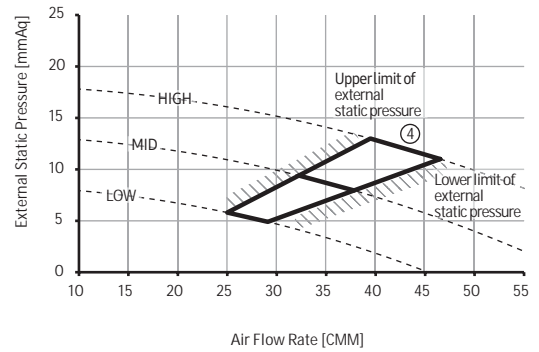
②	External Static Pressure(mmAq)	Option Code
	$6.2 < SP \leq 9$	010054-1C54B9-208080-331225



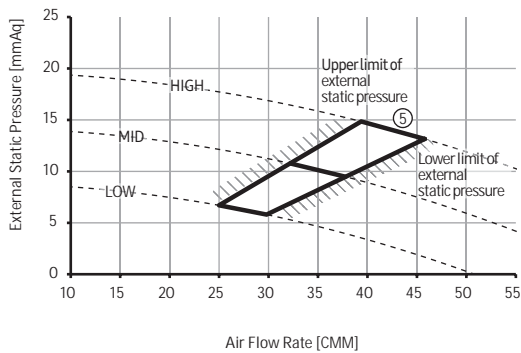
③	External Static Pressure(mmAq)	Option Code
	$9 < SP \leq 11$	010054-1C54EC-208080-331225



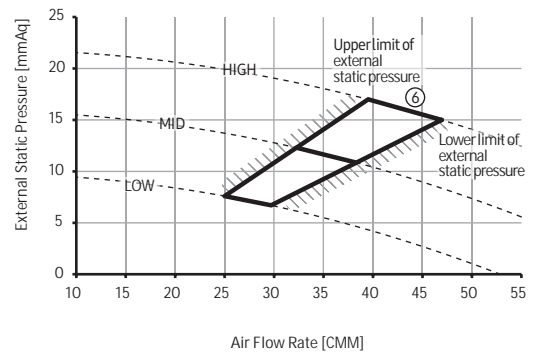
④	External Static Pressure(mmAq)	Option Code
	$11 < SP \leq 13$	010054-1C581E-208080-331225



⑤	External Static Pressure(mmAq)	Option Code
	$13 < SP \leq 15$	010054-1C5940-208080-331225



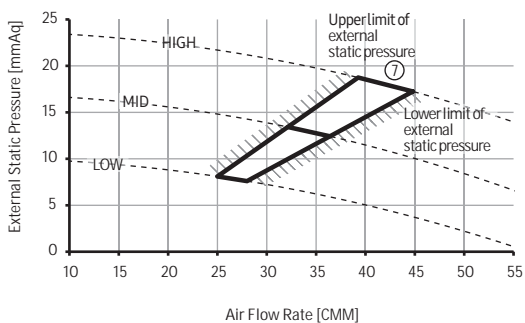
⑥	External Static Pressure(mmAq)	Option Code
	$15 < SP \leq 17$	010054-1C5982-208080-331225



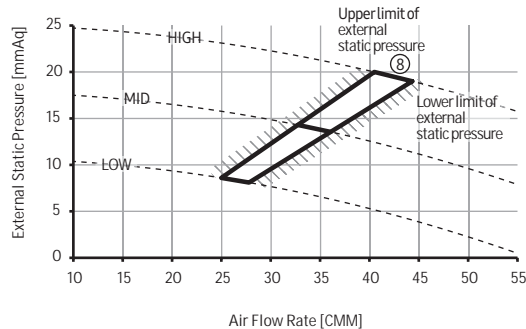
12-8. Fan Characteristics

8) AM128HNHPKH/**

⑦	External Static Pressure(mmAq)	Option Code
	17 < SP ≤ 19	010054-1C59B3-208080-331225

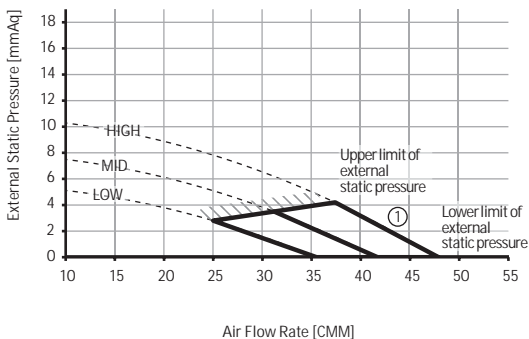


⑧	External Static Pressure(mmAq)	Option Code
	19 < SP ≤ 20	010054-1C59C4-208080-331225

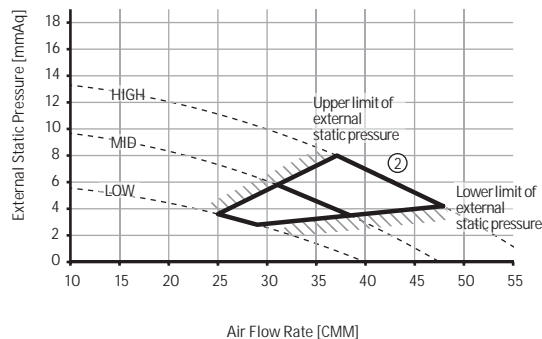


9) AM128HNMPKH/**

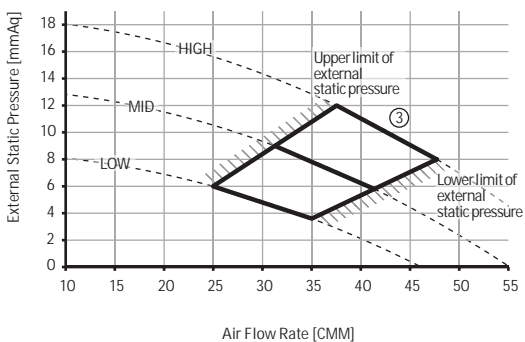
①	External Static Pressure(mmAq)	Option Code
	0 < SP ≤ 5.2	010054-1C5426-208080-331222



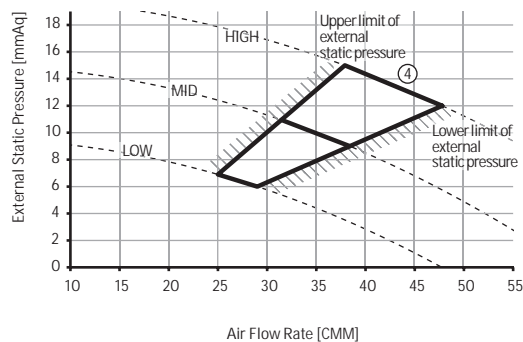
②	External Static Pressure(mmAq)	Option Code
	5.2 < SP ≤ 8	010054-1C5478-208080-331222



③	External Static Pressure(mmAq)	Option Code
	8 < SP ≤ 12	010054-1C54EE-208080-331222



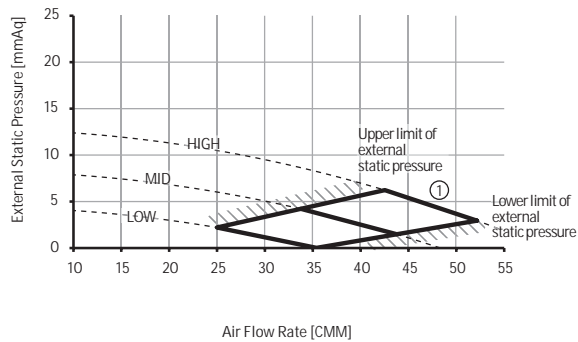
④	External Static Pressure(mmAq)	Option Code
	12 < SP ≤ 15	010054-1C5920-208080-331222



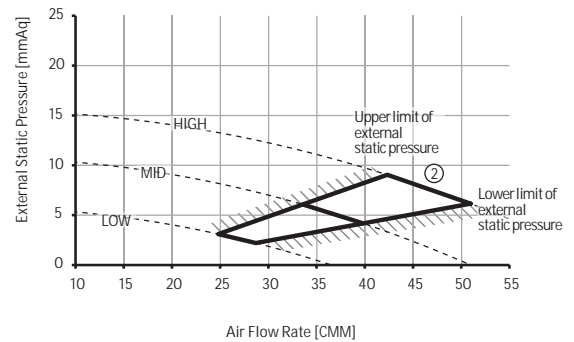
12-8. Fan Characteristics

10) AM140HNHPKH/**

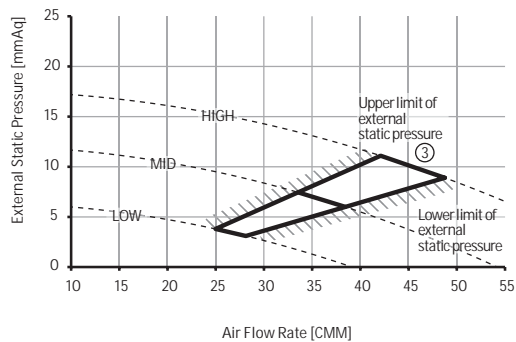
①	External Static Pressure(mmAq)	Option Code
	3 ≤ SP ≤ 6.2	010054-1C5486-208C8C-331224



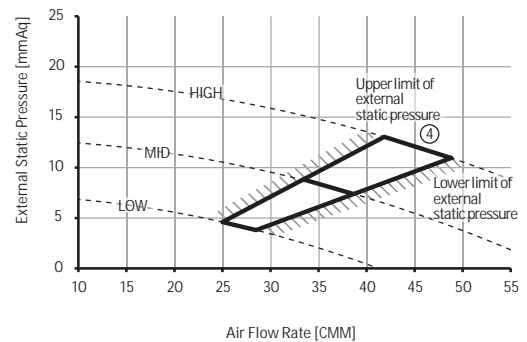
②	External Static Pressure(mmAq)	Option Code
	6.2 < SP ≤ 9	010054-1C54D7-208C8C-331224



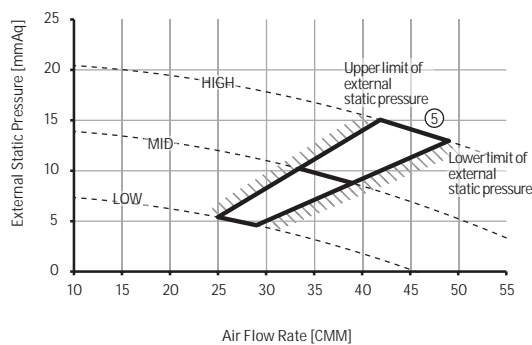
③	External Static Pressure(mmAq)	Option Code
	9 < SP ≤ 11	010054-1C5809-208C8C-331224



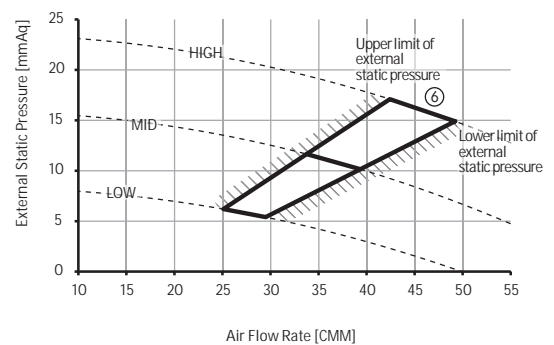
④	External Static Pressure(mmAq)	Option Code
	11 < SP ≤ 13	010054-1C583B-208C8C-331224



⑤	External Static Pressure(mmAq)	Option Code
	13 < SP ≤ 15	010054-1C586D-208C8C-331224



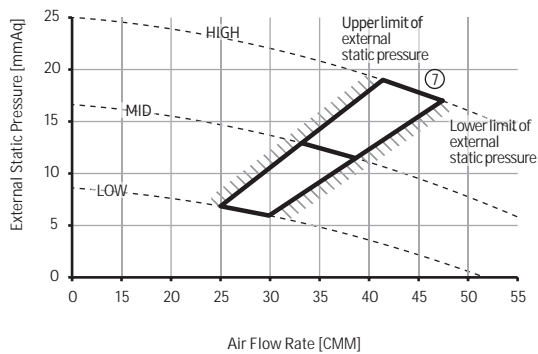
⑥	External Static Pressure(mmAq)	Option Code
	15 < SP ≤ 17	010054-1C588F-208C8C-331224



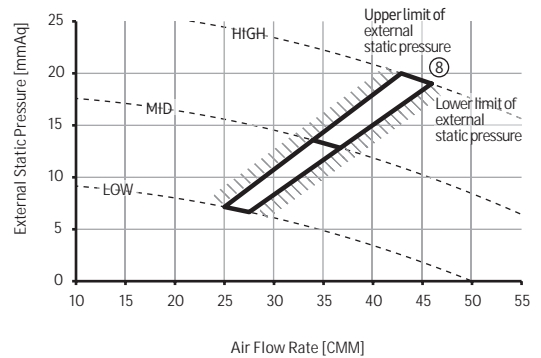
12-8. Fan Characteristics

10) AM140HNHPKH/**

⑦	External Static Pressure(mmAq)	Option Code
	17 < SP ≤ 19	010054-1C59C0-208C8C-331224

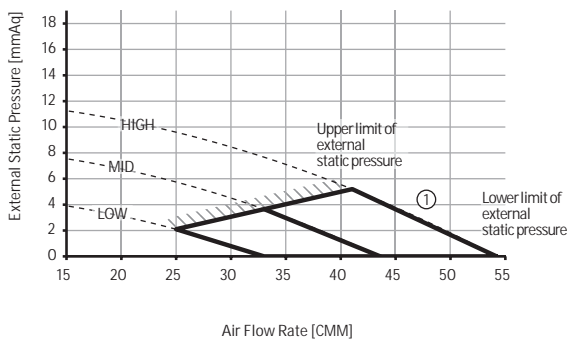


⑧	External Static Pressure(mmAq)	Option Code
	19 < SP ≤ 20	010054-1C59D1-208C8C-331224

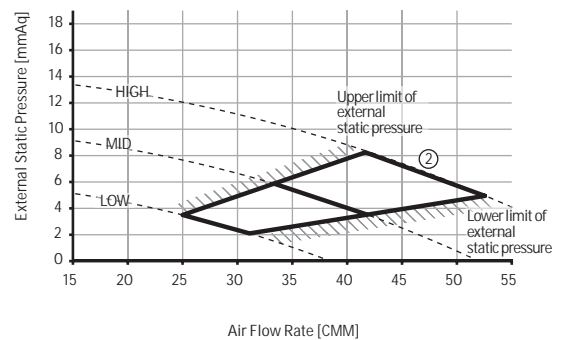


11) AM140HNMPKH/**

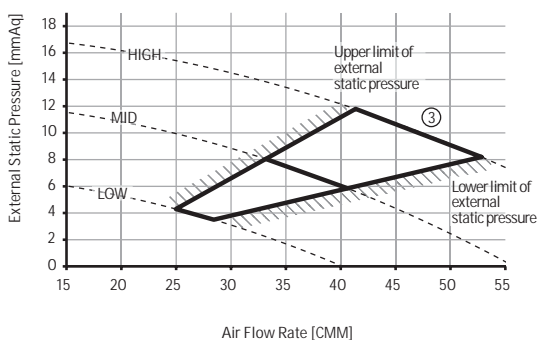
①	External Static Pressure(mmAq)	Option Code
	0 ≤ SP ≤ 5.2	010054-1C5444-208C8C-331221



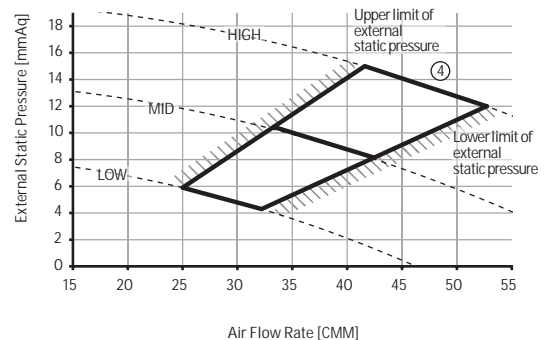
②	External Static Pressure(mmAq)	Option Code
	5.2 < SP ≤ 8	010054-1C5498-208C8C-331221



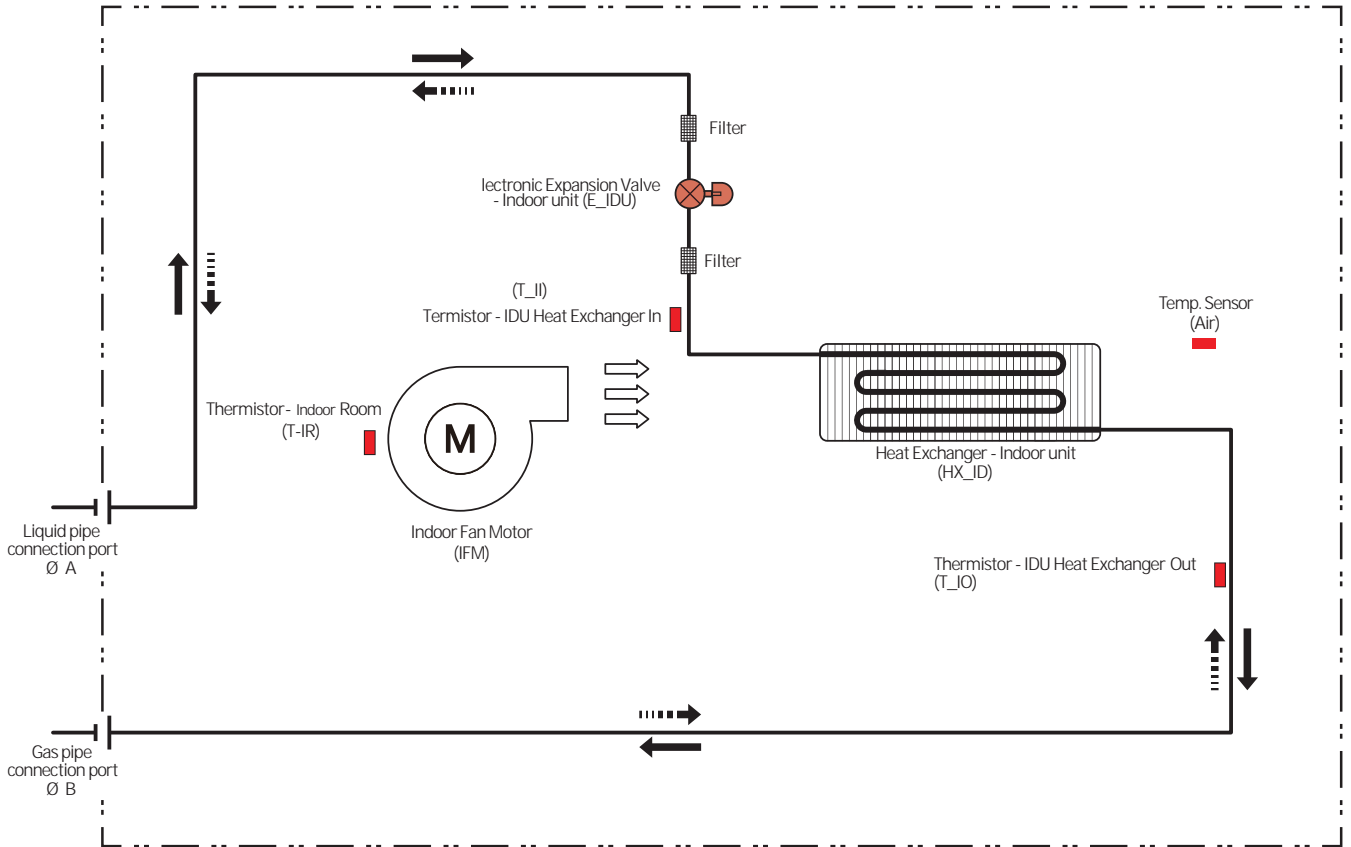
③	External Static Pressure(mmAq)	Option Code
	8 < SP ≤ 12	010054-1C54FA-208C8C-331221



④	External Static Pressure(mmAq)	Option Code
	12 < SP ≤ 15	010054-1C583E-208C8C-331221



12-9. Piping Diagram



Refrigerant flow	
Cooling	Heating

MODEL	A	B
AM036HNMPKH***	6.35	12.7
AM045HNMPKH***		
AM056HNMPKH***		
AM071HNMPKH***	9.52	15.88
AM090HNMPKH***		
AM112HN*PKH***		
AM128HN*PKH***		
AM140HN*PKH***		

13 Ceiling

13-1. Specifications

13-2. Capacity tables

13-3. Dimensional drawing

13-4. Electrical wiring diagram

13-5. Sound pressure level

13-6. Temperature and air flow distribution

13-1. Specifications

Model				AM056FNCDEH***	AM071FNCDEH***	
Power Supply		Ø, #, V, Hz		1, 2, 220-240, 50	1, 2, 220-240, 50	
Mode*1)				HP	HP	
Performance	Capacity (Nominal)	Cooling*2)	kW	5.6	7.1	
			Btu/h	19,100	24,200	
		Heating*3)	kW	6.3	8.0	
			Btu/h	21,500	27,300	
Power	Power Input (Nominal)	Cooling*2)	W	72	80	
		Heating*3)	W	72	77	
	Current Input (Nominal)	Cooling*2)	A	0.33	0.35	
		Heating*3)	A	0.28	0.29	
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan	
		Output	W	60	120	
		Number of unit	EA	1	1	
	Air Flow Rate	H/M/L (UL)	CMM	14.00/13.00/12.00		18.00/16.50/15.00
			l/s	233.33/216.67/200.00		300.00/275.00/250.00
	External Pressure	Min / Std / Max	mmAq	-		-
			Pa	-		-
			WG	-		-
Option Code		-	013054-105000-203838-330010	013054-105000-204747-330010		
Piping Connections	Liquid Pipe	Ø, mm	6.35	9.52		
		Ø, inch	1/4	3/8		
	Gas Pipe	Ø, mm	12.70	15.88		
		Ø, inch	1/2	5/8		
Drain Pipe	Ø, mm	ID 18 HOSE	ID 18 HOSE			
Field Wiring	Power Source Wire	Below 20m / over 20m	mm ²	1.5 / 2.5	1.5 / 2.5	
	Transmission Cable		mm ²	0.75~1.5	0.75~1.5	
Refrigerant	Type	-		R410A	R410A	
	Control Method	-		EEV NOT INCLUDED	EEV NOT INCLUDED	
Sound	Sound Pressure	High / Mid / Low*4)	dBA	40 / 37 / 34	44 / 42 / 40	
Dimensions	Net Weight		kg	21.00	21.00	
	Shipping Weight		kg	25.50	25.50	
	Net Dimensions (WxHxD)		mm	1000 x 650 x 200	1000 x 650 x 200	
	Shipping Dimensions (WxHxD)		mm	1080 x 730 x 300	1080 x 730 x 300	
Panel Size	Panel model		-	-	-	
	Panel Net Weight		kg	-	-	
	Shipping Weight		kg	-	-	
	Net Dimensions (WxHxD)		mm	-	-	
	Shipping Dimensions (WxHxD)		mm	-	-	
Additional Accessories	Drain pump	Drain pump	- / Model	-	-	
		Max. lifting Height / Displacement	mm/liter/h	-	-	
	Air Filter		-	Long life filter	Long life filter	

* Specifications may be subject to change without prior notice for product improvement.

*1) Mode

- HP : Heat Pump

*2) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

13-2. Capacity tables

1) Cooling

TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

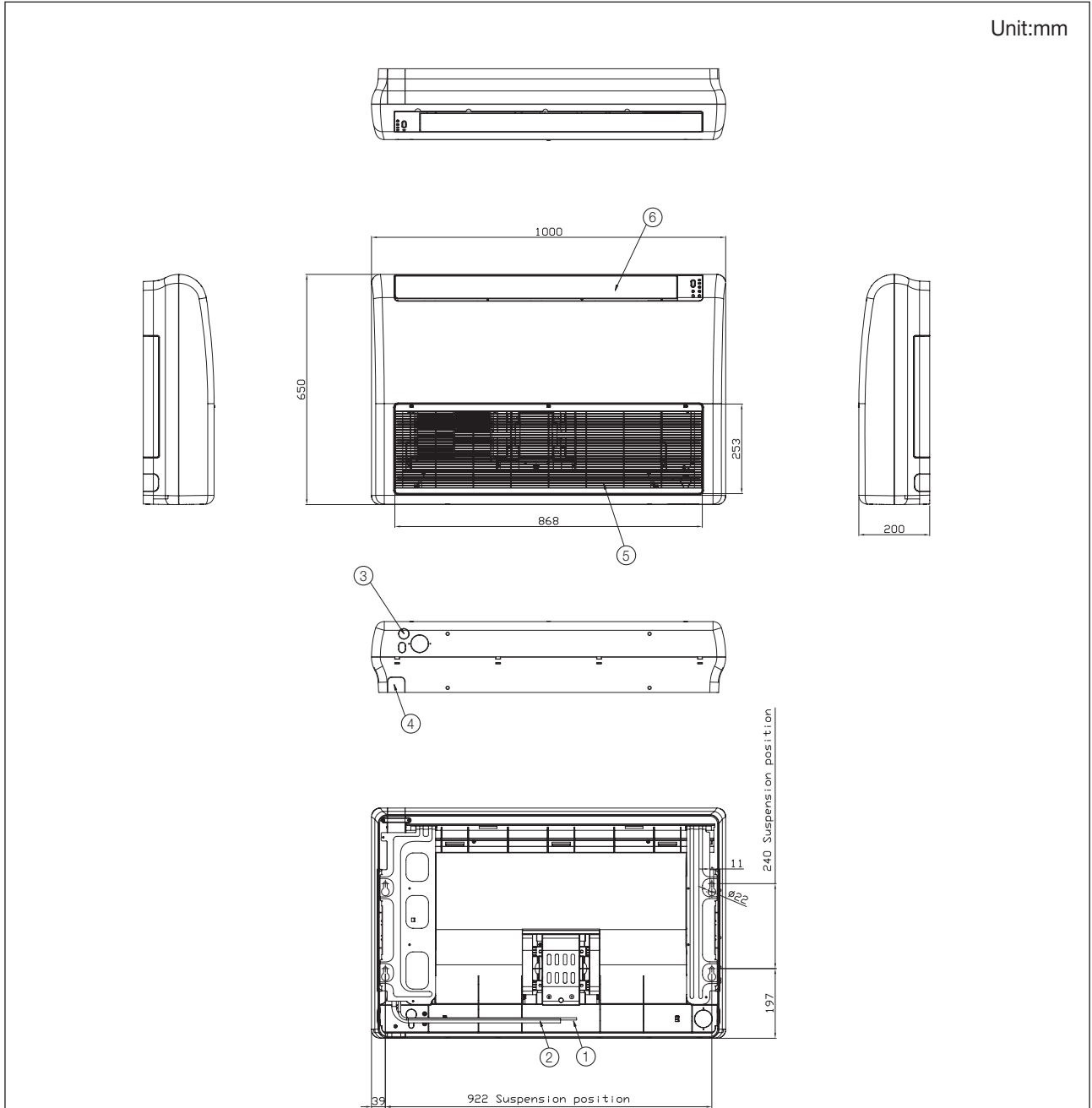
Model	Outdoor temperature (°C, DB)		Indoor temperature (°C, WB)													
			20 (°C, DB)		23 (°C, DB)		26 (°C, DB)		27 (°C, DB)		28 (°C, DB)		30 (°C, DB)		32 (°C, DB)	
			14 (°C, WB)		16 (°C, WB)		18 (°C, WB)		19 (°C, WB)		20 (°C, WB)		22 (°C, WB)		24 (°C, WB)	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
056	10		3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.3	3.8	6.7	3.7
	12		3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.3	3.8	6.7	3.7
	14		3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.7	3.7
	16		3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	18		3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	20		3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	21		3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	23		3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	25		3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	27		3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	29		3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	31		3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	33		3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	35		3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	37		3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.1	3.7	6.5	3.5
	39		3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.1	3.7	6.4	3.4
42		3.9	3.2	4.6	3.5	5.3	3.7	5.4	3.7	5.6	3.7	5.8	3.6	6.0	3.2	
44		3.9	3.2	4.6	3.5	5.0	3.6	5.3	3.6	5.4	3.6	5.5	3.5	5.6	3.0	
46		3.9	3.1	4.6	3.4	4.7	3.3	5.0	3.3	5.1	3.3	5.2	3.2	5.3	2.7	
071	10		4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	8.0	4.9	8.5	4.7
	12		4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.5	4.7
	14		4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.5	4.7
	16		4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.4	4.6
	18		4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.4	4.6
	20		4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.4	4.6
	21		4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.4	4.6
	23		4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.4	4.6
	25		4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.4	4.6
	27		4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.4	4.6
	29		4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.4	4.6
	31		4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.4	4.6
	33		4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.4	4.6
	35		4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.4	4.6
	37		4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.3	4.8	7.8	4.7	8.2	4.5
	39		4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.3	4.8	7.7	4.6	8.1	4.4
42		4.9	4.0	5.8	4.4	6.7	4.8	6.9	4.8	7.0	4.6	7.3	4.4	7.6	4.2	
44		4.9	4.0	5.8	4.4	6.3	4.7	6.7	4.7	6.8	4.5	7.0	4.3	7.1	4.0	
46		4.9	3.9	5.7	4.2	5.8	4.2	6.2	4.2	6.5	4.2	6.7	4.0	6.7	3.6	

2) Heating

TC : Total Capacity(kW)

Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
			TC	TC	TC	TC	TC
	DB	WB	kW	kW	kW	kW	kW
056	-20	-21	3.9	3.8	3.8	3.7	3.7
	-17	-18	4.0	4.0	3.9	3.8	3.8
	-15	-16	4.2	4.1	4.0	3.9	3.8
	-12	-13	4.4	4.3	4.2	4.2	4.1
	-10	-11	4.6	4.6	4.5	4.4	4.4
	-7	-8	4.9	4.8	4.8	4.7	4.5
	-5	-6	5.2	5.1	5.0	4.9	4.7
	-3	-4	5.4	5.3	5.3	5.1	4.9
	0	-1	5.7	5.6	5.5	5.3	5.0
	3	2.2	5.9	5.9	5.8	5.6	5.3
	5	4.1	6.2	6.1	6.0	5.7	5.3
	7	6	6.5	6.4	6.3	5.8	5.3
	9	7.9	6.7	6.5	6.3	5.8	5.3
	11	9.8	6.9	6.6	6.3	5.8	5.3
	13	12	7.1	6.7	6.3	5.8	5.3
	15	14	7.3	6.8	6.3	5.8	5.3
071	-20	-21	4.9	4.9	4.8	4.7	4.7
	-17	-18	5.1	5.0	4.9	4.8	4.8
	-15	-16	5.3	5.2	5.1	4.9	4.8
	-12	-13	5.6	5.5	5.4	5.3	5.2
	-10	-11	5.9	5.8	5.7	5.6	5.6
	-7	-8	6.2	6.1	6.0	5.9	5.8
	-5	-6	6.5	6.5	6.4	6.2	6.0
	-3	-4	6.9	6.8	6.7	6.4	6.2
	0	-1	7.2	7.1	7.0	6.7	6.4
	3	2.2	7.6	7.5	7.3	7.1	6.8
	5	4.1	7.9	7.8	7.7	7.2	6.8
	7	6	8.2	8.1	8.0	7.4	6.8
	9	7.9	8.5	8.2	8.0	7.4	6.8
	11	9.8	8.7	8.4	8.0	7.4	6.8
	13	12	9.0	8.5	8.0	7.4	6.8
	15	14	9.2	8.6	8.0	7.4	6.8

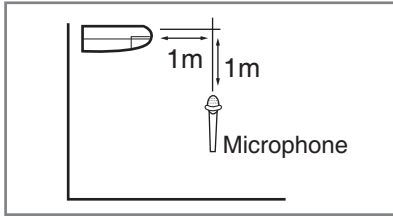
13-3. Dimensional drawing



No.	Name	Description	
		5.6kW	7.1kW
①	Liquid pipe connection	Ø6.35 Flare	Ø9.52 Flare
②	Gas pipe connection	Ø12.70 Flare	Ø15.88 Flare
③	Drain pipe connection	ID18 Hose	
④	Conduit for power supply & communication wiring	-	
⑤	Air inlet grille	-	
⑥	Air outlet louver	-	

13-5. Sound pressure level

1) Operation sound level



Unit : dB(A)

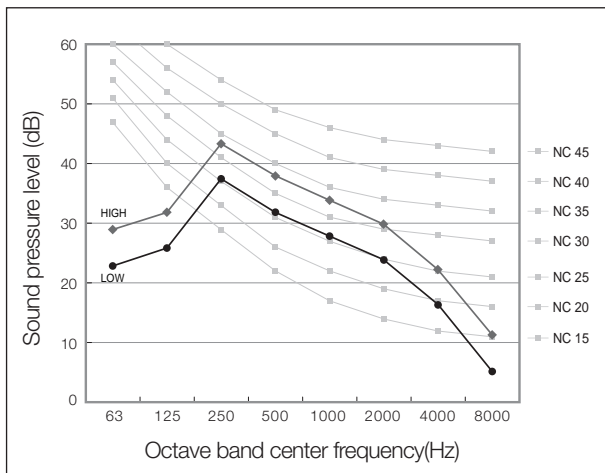
Model	High	Low
AM056FNCDEH***	40	34
AM071FNCDEH***	44	40

Note

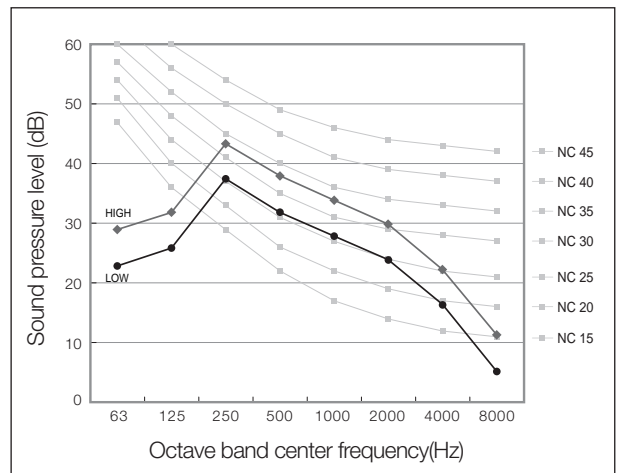
- ◆ These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ depending on operation and ambient conditions.

2) NC curves

(1) AM056FNCDEH***



(2) AM071FNCDEH***

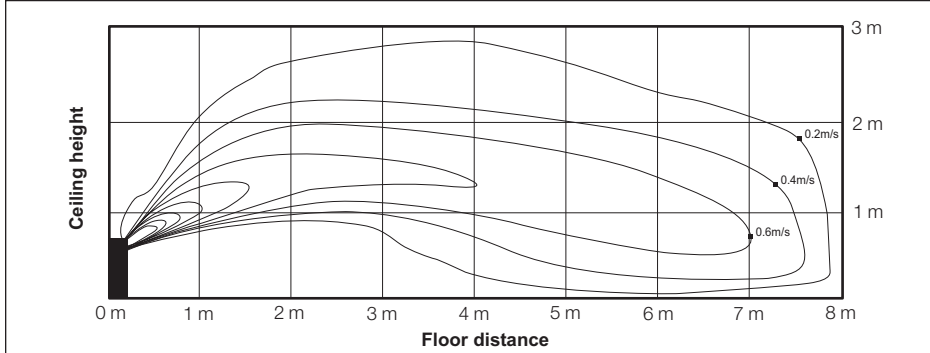


13-6. Temperature and air flow distribution

1) AM071FNCDEH*** (Floor installation)

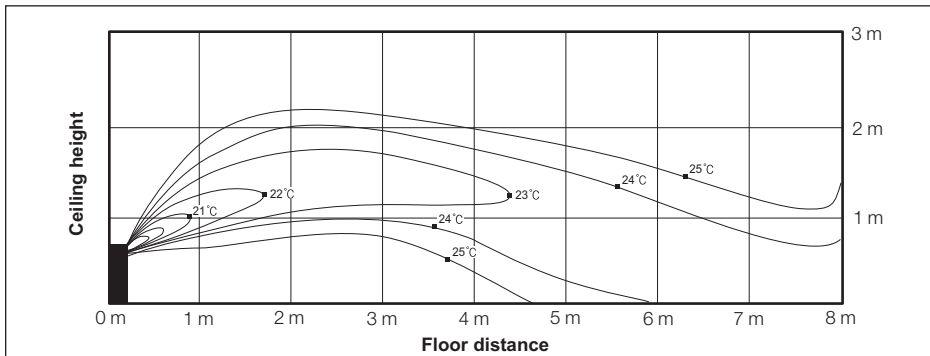
(1) Cooling air velocity distribution

◆ Discharge angle : 36°



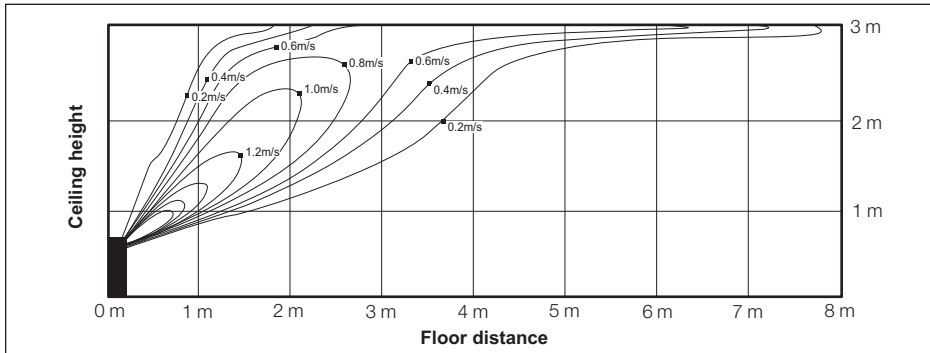
(2) Cooling temperature distribution

◆ Discharge angle : 36°



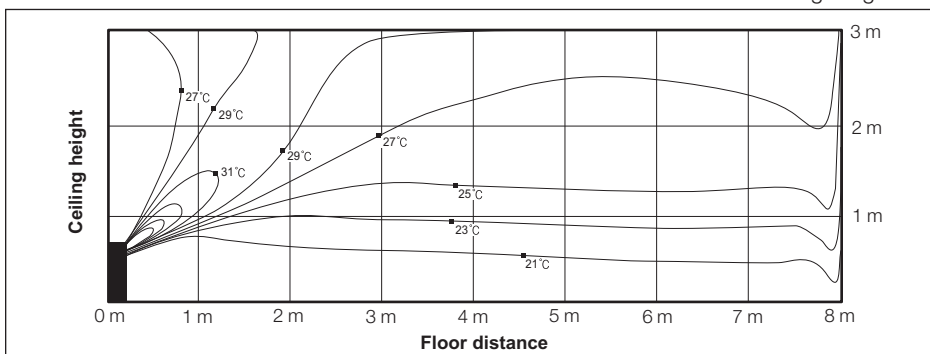
(3) Heating air velocity distribution

◆ Discharge angle : 54°



(4) Heating temperature distribution

◆ Discharge angle : 54°

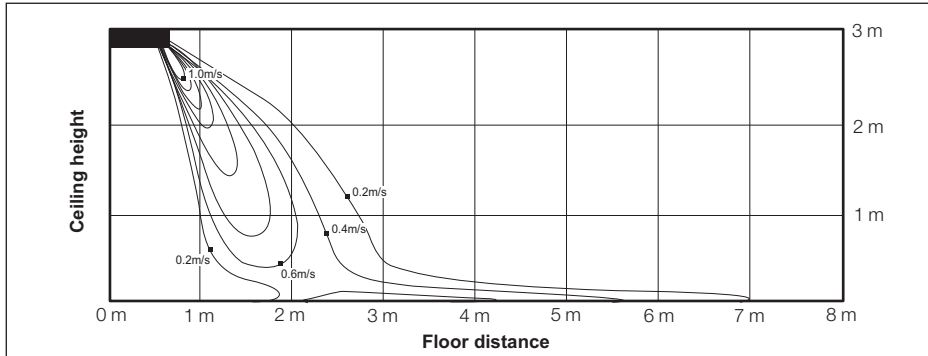


13-6. Temperature and air flow distribution

2) AM071FNCDEH*** (Ceiling installation)

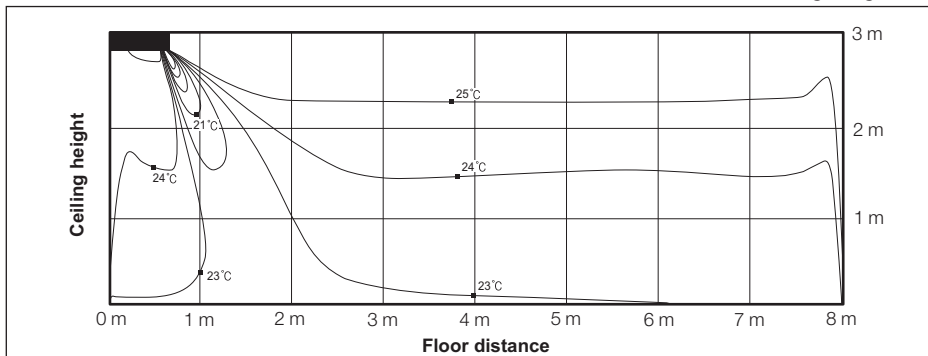
(1) Cooling air velocity distribution

◆ Discharge angle : 36°



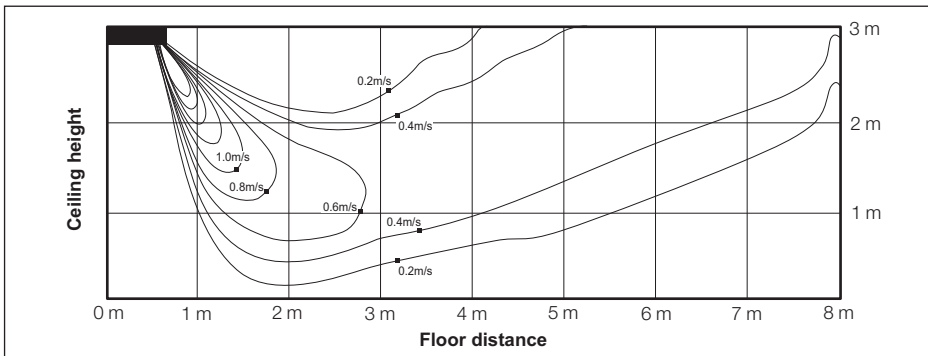
(2) Cooling temperature distribution

◆ Discharge angle : 36°



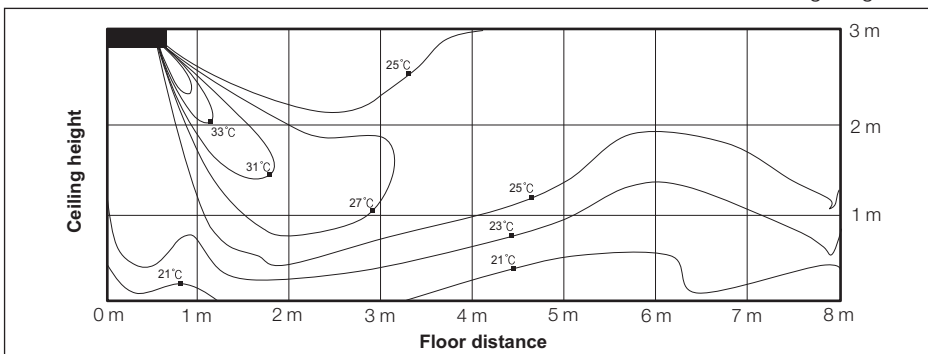
(3) Heating air velocity distribution

◆ Discharge angle : 54°



(4) Heating temperature distribution

◆ Discharge angle : 54°



14 Big Ceiling

14-1. Specifications

14-2. Capacity tables

14-3. Dimensional drawing

14-4. Electrical wiring diagram

14-5. Sound pressure level

14-6. Sound power level

14-7. Temperature and air flow distribution

14 Big Ceiling

14-1. Specifications

Type				AM112JNC DKH/TK	AM140JNC DKH/TK
Model				AM112JNC DKH/TK	AM140JNC DKH/TK
Power Supply			Ø, #, V, Hz	1,2,220-240,50/60	1,2,220-240,50/60
Mode				-	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	11.20	14.00
			Btu/h	38,200	47,800
		Heating	kW	12.50	16.00
			Btu/h	42,700	54,600
Power	Power Input (Nominal)	Cooling	W	92.00	160.00
		Heating	W	80.00	160.00
	Current Input (Nominal)	Cooling	A	0.94	1.45
		Heating	A	0.83	1.45
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan
		Output x n	w	260 x 1	355 x 1
	Air Flow Rate	H/M/L (UL)	CMM	29.30 / 23.90 / 18.50	36.40 / 30.80 / 26.00
			l/s	488.33 / 398.33 / 308.33	606.67 / 513.33 / 433.33
	External Pressure	Min/Std/Max	mmAq	-	-
Pa			-	-	
Piping Connections	Liquid Pipe	Ø, mm	9.52	9.52	
		Ø, inch	3/8"	3/8"	
	Gas Pipe	Ø, mm	15.88	15.88	
		Ø, inch	5/8"	5/8"	
Drain Pipe	Ø, mm	VP25 (OD 25, ID 20)	VP25 (OD 25, ID 20)		
Field Wiring	Power Source Wire	mm ²	1.5 - 2.5	1.5 - 2.5	
	Transmission Cable	mm ²	0.75 - 1.50	0.75 - 1.50	
Refrigerant	Type	-	R410A	R410A	
	Control Method	-	EEV INCLUDED	EEV INCLUDED	
Sound	Pressure	High / Mid / Low	dB(A)	45 / 41 / 37	46 / 43 / 38
	Power	Cooling		61	63
Dimension	Net Weight		kg	33.5	42.5
	Shipping Weight		kg	39.5	48.5
	Net Dimensions (WxHxD)		mm	1,350 x 235 x 675	1,650 x 235 x 675
	Shipping Dimensions (WxHxD)		mm	1,439 x 758 x 321	1,739 x 758 x 321
Panel Size	Panel model		-	-	-
	Panel Net Weight		kg	-	-
	Shipping Weight		kg	-	-
	Net Dimensions (WxHxD)		mm	-	-
	Shipping Dimensions (WxHxD)		mm	-	-
Additional Accessories	Drain Pump	Drain Pump	- / Model	-	-
		Max. lifting Height / Displacement	mm/liter/h	-	-
	Air Filter		-	-	-

* Specifications may be subject to change without prior notice for product improvement.

*1) Mode

- HP : Heat Pump, HR : Heat Recovery

*2) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

*5) These products contain R410A which have a global warming potential (GWP) greater than 150.

* Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

14 Big Ceiling

14-2. Capacity tables

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity

Model	Outdoor Temp. (°C, DB)	Indoor temperature (°C, WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
112	10	7.7	6.4	9.1	7.1	10.5	7.8	11.2	7.9	11.6	7.9	12.5	7.9	13.4	7.9
	12	7.7	6.4	9.1	7.1	10.5	7.8	11.2	7.9	11.6	7.9	12.5	7.9	13.4	7.9
	14	7.7	6.4	9.1	7.1	10.5	7.8	11.2	7.9	11.6	7.9	12.5	7.9	13.3	7.8
	16	7.7	6.4	9.1	7.1	10.5	7.8	11.2	7.9	11.6	7.9	12.5	7.9	13.3	7.8
	18	7.7	6.4	9.1	7.1	10.5	7.8	11.2	7.9	11.6	7.9	12.4	7.9	13.2	7.7
	20	7.7	6.4	9.1	7.1	10.5	7.8	11.2	7.9	11.6	7.9	12.4	7.9	13.2	7.7
	21	7.7	6.4	9.1	7.1	10.5	7.8	11.2	7.9	11.6	7.9	12.4	7.9	13.2	7.7
	23	7.7	6.4	9.1	7.1	10.5	7.8	11.2	7.9	11.6	7.9	12.4	7.9	13.2	7.7
	25	7.7	6.4	9.1	7.1	10.5	7.8	11.2	7.9	11.6	7.9	12.4	7.9	13.2	7.7
	27	7.7	6.4	9.1	7.1	10.5	7.8	11.2	7.9	11.6	7.9	12.4	7.9	13.2	7.7
	29	7.7	6.4	9.1	7.1	10.5	7.8	11.2	7.9	11.6	7.9	12.4	7.9	13.2	7.7
	31	7.7	6.4	9.1	7.1	10.5	7.8	11.2	7.9	11.6	7.9	12.4	7.9	13.2	7.7
	33	7.7	6.3	9.1	7.0	10.5	7.8	11.2	7.9	11.6	7.9	12.4	7.9	13.2	7.7
	35	7.7	6.3	9.1	7.0	10.5	7.8	11.2	7.9	11.6	7.9	12.4	7.9	13.2	7.7
	37	7.7	6.3	9.1	7.0	10.5	7.8	11.2	7.9	11.6	7.9	12.3	7.8	13.0	7.6
	39	7.7	6.3	9.1	7.0	10.5	7.8	11.2	8.0	11.5	7.8	12.1	7.7	12.7	7.5
42	7.7	6.3	9.1	7.0	10.4	7.7	11.1	7.9	11.4	7.7	11.9	7.6	12.4	7.3	
44	7.7	6.3	9.1	7.0	10.1	7.5	10.7	7.6	11.0	7.5	11.4	7.3	12.0	7.1	
46	7.7	6.3	9.0	6.9	10.0	7.4	10.4	7.4	10.7	7.3	11.0	7.0	11.6	6.9	
140	10	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.6	9.6	15.7	9.5	16.8	9.7
	12	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.6	9.6	16.7	9.6
	14	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.6	9.6	16.7	9.6
	16	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.6	9.6	16.6	9.5
	18	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.5	9.5	16.6	9.5
	20	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.5	9.5	16.5	9.4
	21	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.5	9.5	16.5	9.4
	23	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.5	9.5	16.5	9.4
	25	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.5	9.5	16.5	9.4
	27	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.5	9.5	16.5	9.4
	29	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.5	9.5	16.5	9.4
	31	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.5	9.5	16.5	9.4
	33	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.5	9.5	16.5	9.4
	35	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.5	9.5	16.5	9.4
	37	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.5	9.6	15.4	9.4	16.3	9.2
	39	9.7	7.7	11.4	8.5	13.1	9.4	14.0	9.6	14.4	9.4	15.1	9.3	15.9	9.0
42	9.7	7.7	11.4	8.5	13.0	9.3	13.8	9.5	14.2	9.3	14.8	9.1	15.5	8.8	
44	9.7	7.7	11.4	8.5	12.7	9.1	13.4	9.2	13.8	9.0	14.2	8.8	15.0	8.5	
46	9.7	7.7	11.3	8.4	12.4	8.9	12.9	8.9	13.4	8.8	13.8	8.5	14.6	8.2	

14 Big Ceiling

14-2. Capacity tables

Heating

TC : Total Capacity

Model	Outdoor Air Temp. (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC	TC	TC	TC	TC
112	-19.8	-20.0	7.4	7.4	7.3	7.3	7.3
	-18.8	-19.0	7.6	7.6	7.4	7.4	7.3
	-16.7	-17.0	8.1	7.8	7.6	7.5	7.4
	-14.7	-15.0	8.4	8.2	8.0	7.8	7.6
	-12.6	-13.0	8.7	8.5	8.3	8.1	8.0
	-10.5	-11.0	9.1	8.9	8.8	8.7	8.6
	-9.5	-10.0	9.3	9.1	9.0	8.9	8.8
	-8.5	-9.1	9.5	9.3	9.2	9.0	8.9
	-7.0	-7.6	9.7	9.6	9.4	9.2	9.0
	-5.0	-5.6	10.2	10.1	9.9	9.6	9.3
	-3.0	-3.7	10.7	10.6	10.5	10.1	9.7
	0.0	-0.7	11.3	11.1	11.1	10.5	10.0
	3.0	2.2	11.8	11.6	11.5	11.0	10.6
	5.0	4.1	12.3	12.2	12.0	11.3	10.6
	7.0	6.0	12.9	12.7	12.5	11.5	10.6
9.0	7.9	13.3	12.9	12.5	11.5	10.6	
11.0	9.8	13.7	13.1	12.5	11.5	10.6	
13.0	11.8	14.0	13.3	12.5	11.5	10.6	
15.0	13.7	14.4	13.5	12.5	11.5	10.6	
140	-19.8	-20.0	9.5	9.5	9.4	9.4	9.3
	-18.8	-19.0	9.7	9.7	9.5	9.5	9.3
	-16.7	-17.0	10.2	10.0	9.7	9.6	9.4
	-14.7	-15.0	10.8	10.5	10.2	9.9	9.6
	-12.6	-13.0	11.1	10.9	10.7	10.4	10.1
	-10.5	-11.0	11.6	11.5	11.3	11.1	10.9
	-9.5	-10.0	11.8	11.7	11.5	11.4	11.2
	-8.5	-9.1	12.1	11.9	11.8	11.6	11.3
	-7.0	-7.6	12.4	12.2	12.1	11.8	11.5
	-5.0	-5.6	13.1	12.9	12.7	12.3	12.0
	-3.0	-3.7	13.8	13.6	13.4	12.9	12.4
	0.0	-0.7	14.4	14.2	14.0	13.4	12.8
	3.0	2.2	15.1	14.9	14.7	14.1	13.5
	5.0	4.1	15.8	15.6	15.3	14.4	13.5
	7.0	6.0	16.5	16.2	16.0	14.8	13.5
9.0	7.9	17.0	16.5	16.0	14.8	13.5	
11.0	9.8	17.5	16.7	16.0	14.8	13.5	
13.0	11.8	18.0	17.0	16.0	14.8	13.5	
15.0	13.7	18.5	17.2	16.0	14.8	13.5	

14 Big Ceiling

14-3. Dimensional drawing

AM112JNCDKH/TK

Units : mm/inches

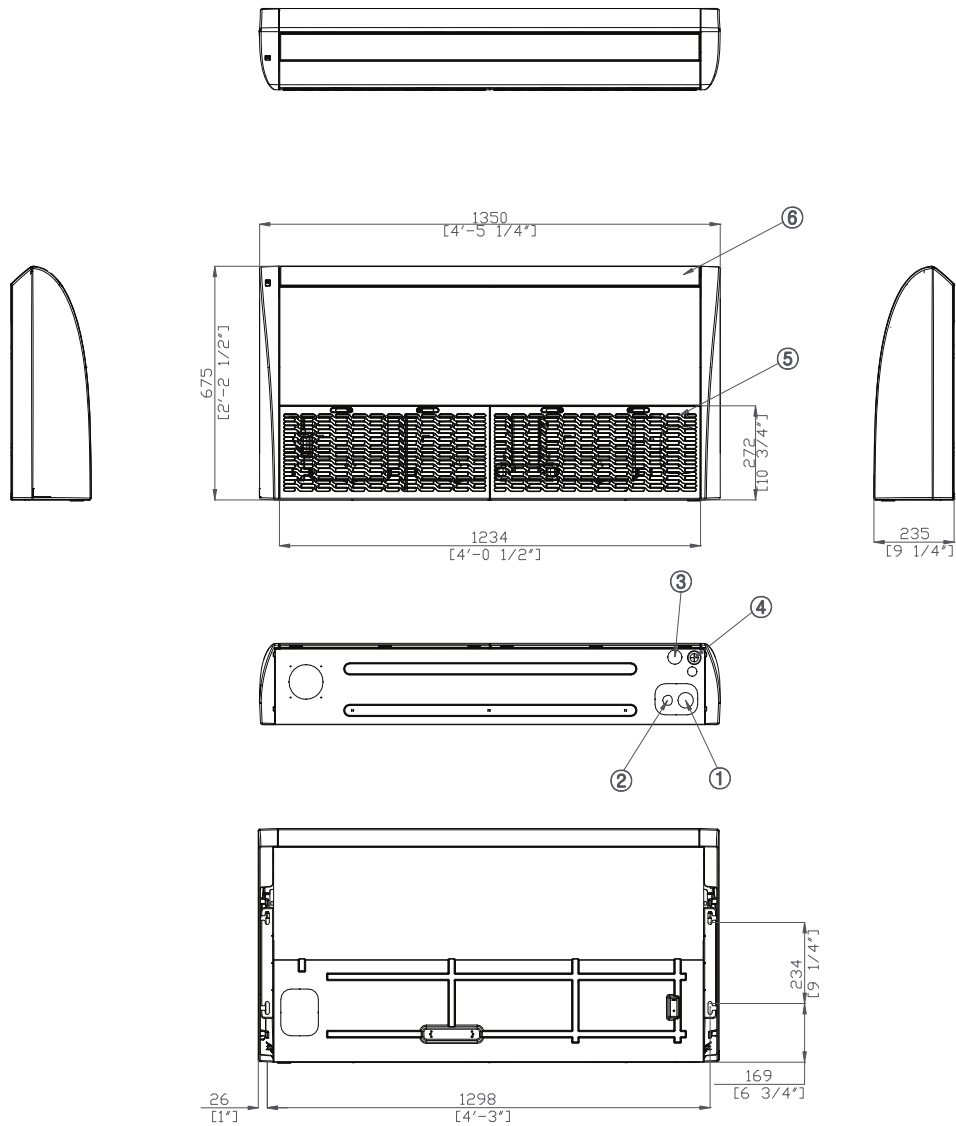


Table of descriptions

1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Condensate drain
4	Power&Comm. wiring conduits
5	Air Inlet grille
6	Air Outlet grille

14 Big Ceiling

14-3. Dimensional drawing

AM14JNCDKH/TK

Units : mm/inches

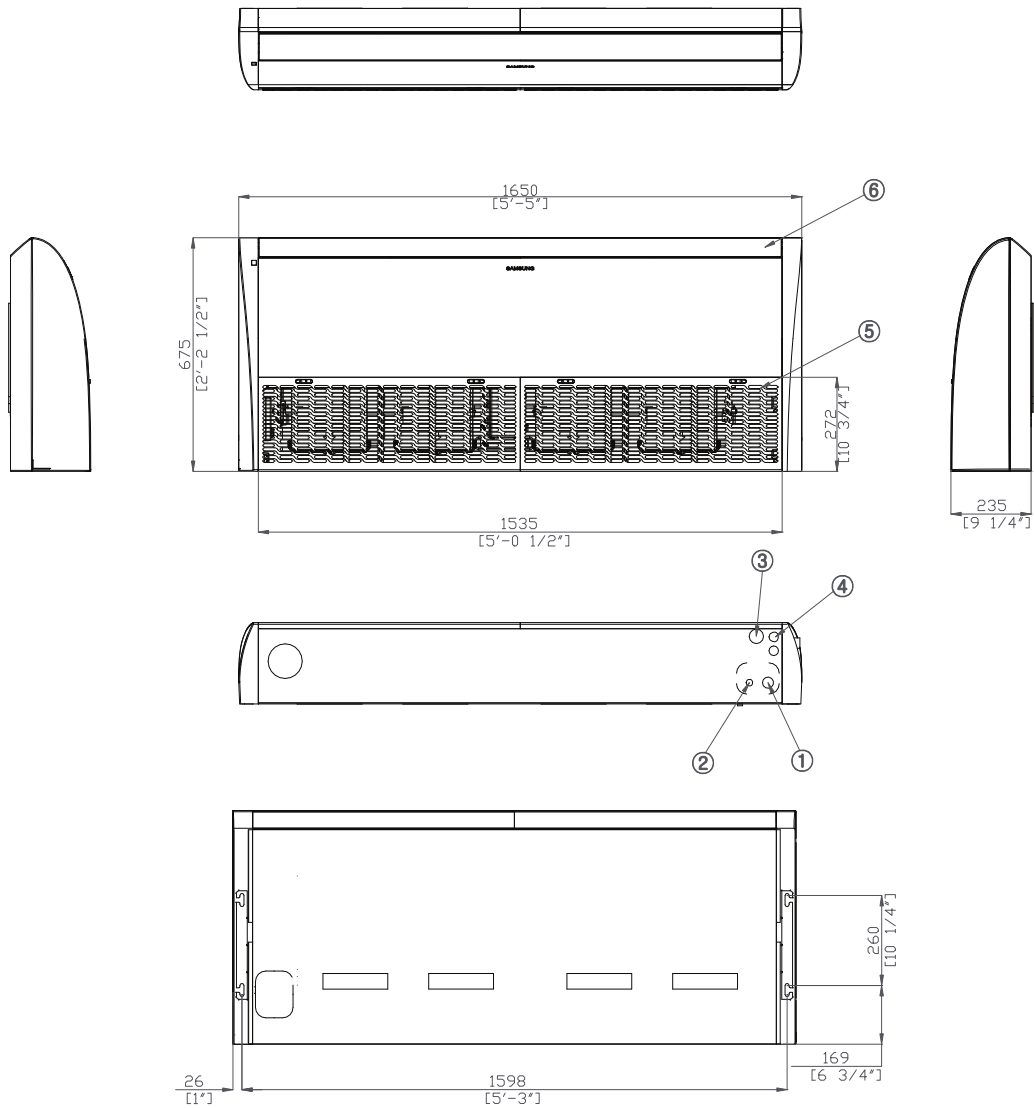
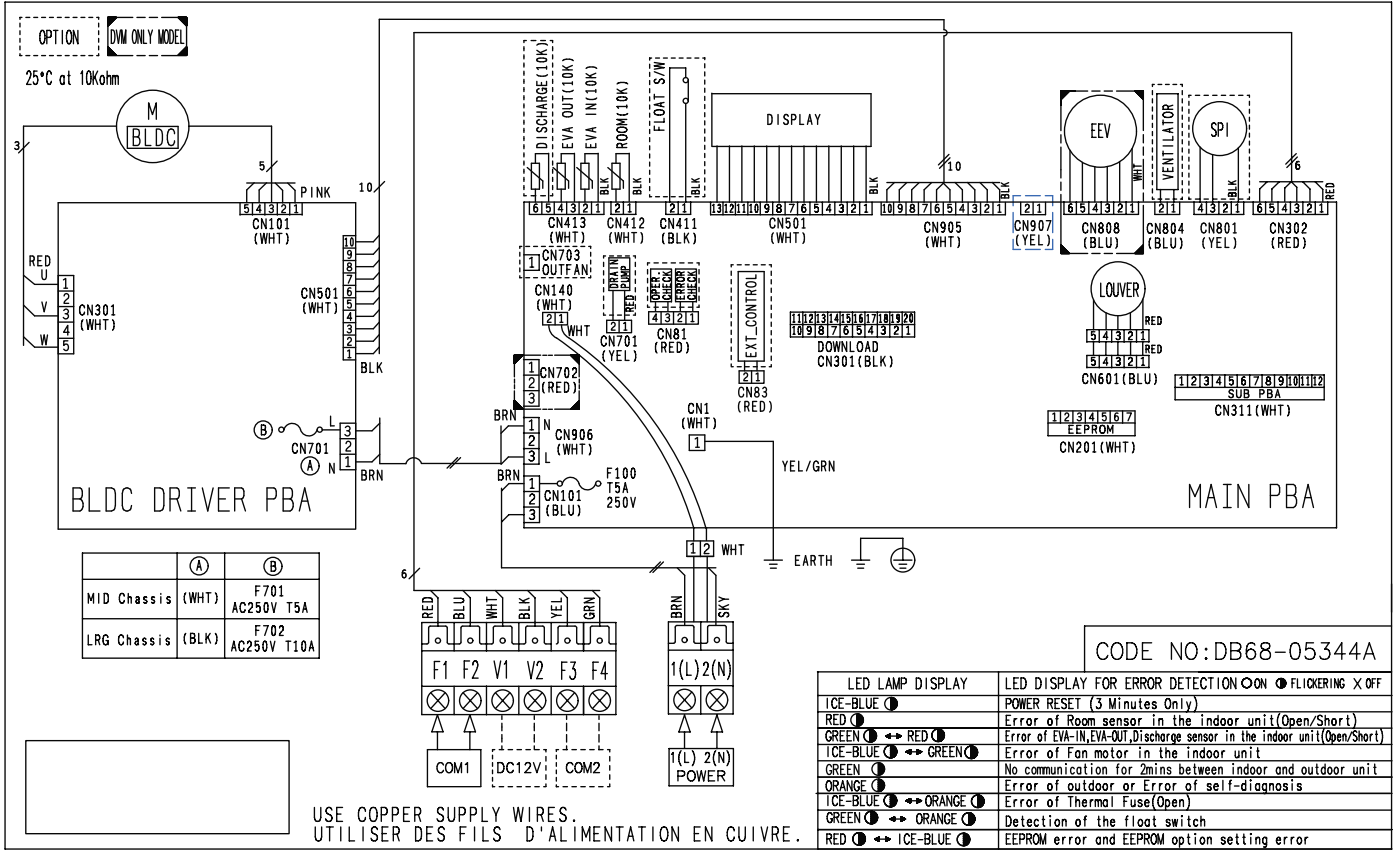


Table of descriptions

1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Condensate drain
4	Power&Comm. wiring conduits
5	Air Inlet grille
6	Air Outlet grille

14 Big Ceiling

14-4. Electrical wiring diagram

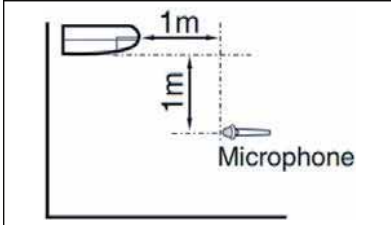


NOTE

- This wiring diagram applies only to the indoor unit.
- Symbols show as follow;
 - BLK : black, RED : red, BLU : blue, WHT:white, YEL : yellow, BRN : brown, SKY : sky-blue, GRN : green
- For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remotecontroller transmission F3-F4.
- ⊕: Protective earth(screw), □□□□: Connector, n/y: The wire quantity

14 Big Ceiling

14-5. Sound pressure level



Unit: dB(A)

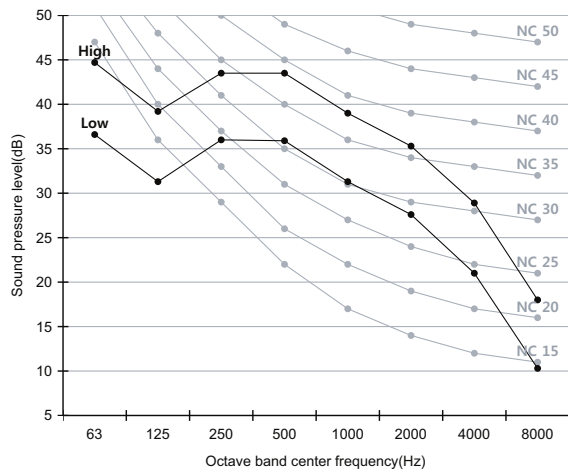
Model	High	Low
AM112JNCDKH/TK	45	37
AM140JNCDKH/TK	46	38

Note

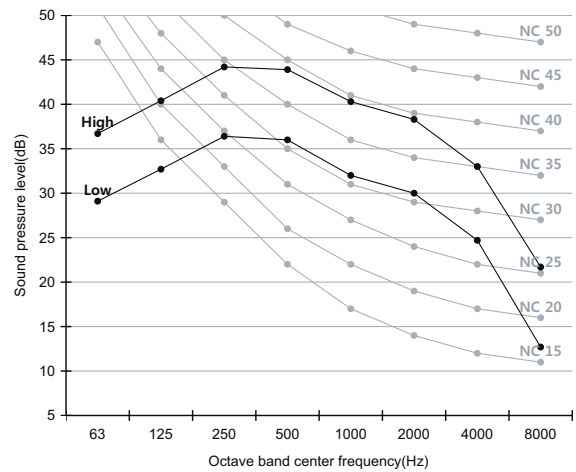
Specifications may be subject to change without prior notice.
 Sound pressure level is obtained in an anechoic room.
 Sound pressure level is a relative value, depending on the distance and acoustic environment.
 Sound pressure level may differ depending on operation condition.
 dBA = A-weighted sound pressure level
 Reference acoustic pressure 0 dB= 20 uPa

NC curve

1) AM112JNCDKH/TK



2) AM140JNCDKH/TK



14 Big Ceiling

14-6. Sound power level

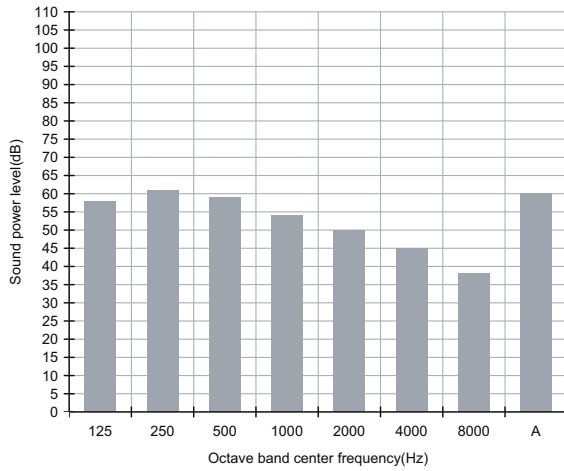
Note

- . Specifications may be subject to change without prior notice.
- . Sound power level is an absolute value that a sound source generates.
- . dBA = A-weighted sound power level.
- . Reference power : 1pW.
- . Measured according to ISO 3741

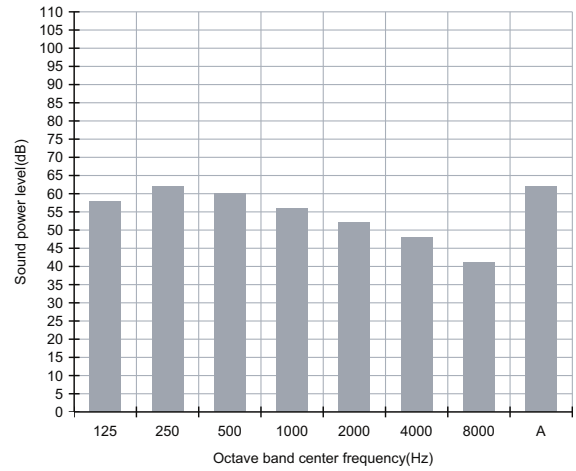
Unit: dB(A)

Model	Power
AM112JNCDKH/TK	61
AM140JNCDKH/TK	63

1)AM112JNCDKH/TK



2)AM140JNCDKH/TK



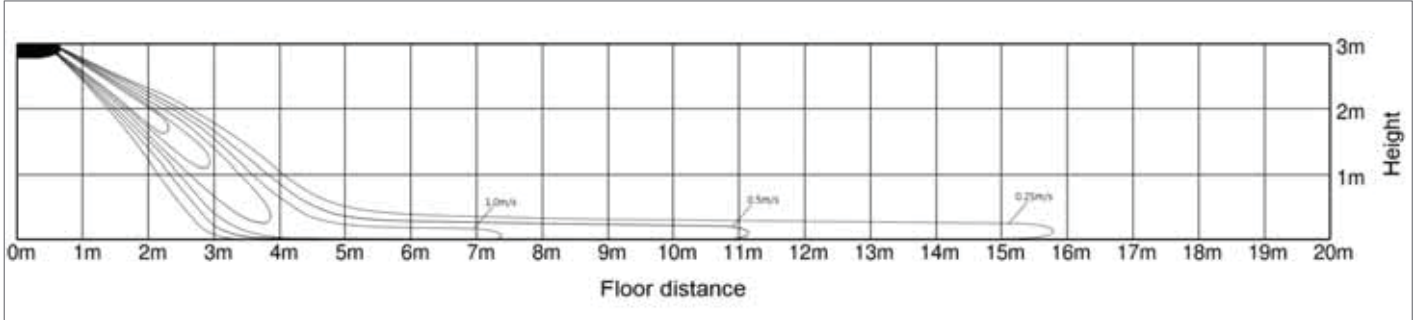
14 Big Ceiling

14-7. Temperature and air flow distribution

AM112JNCDKH/TK

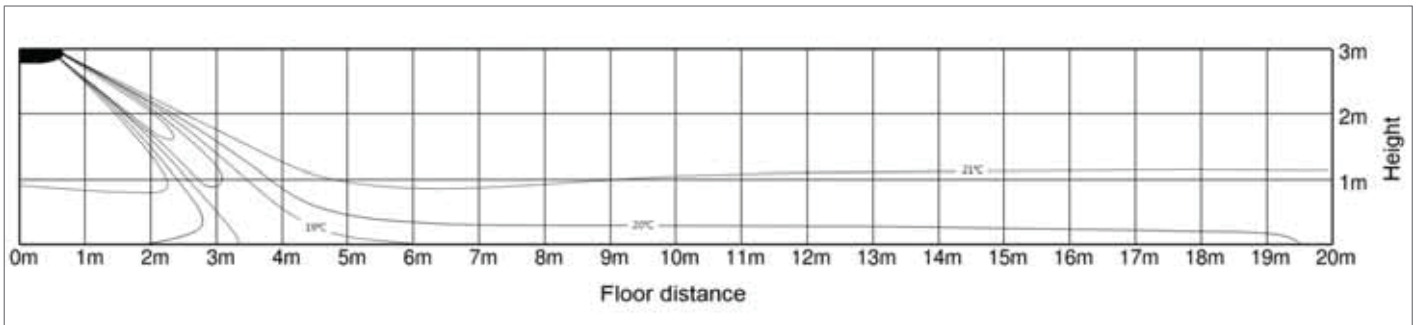
(1) Cooling air velocity distribution

Discharge angle : 32°



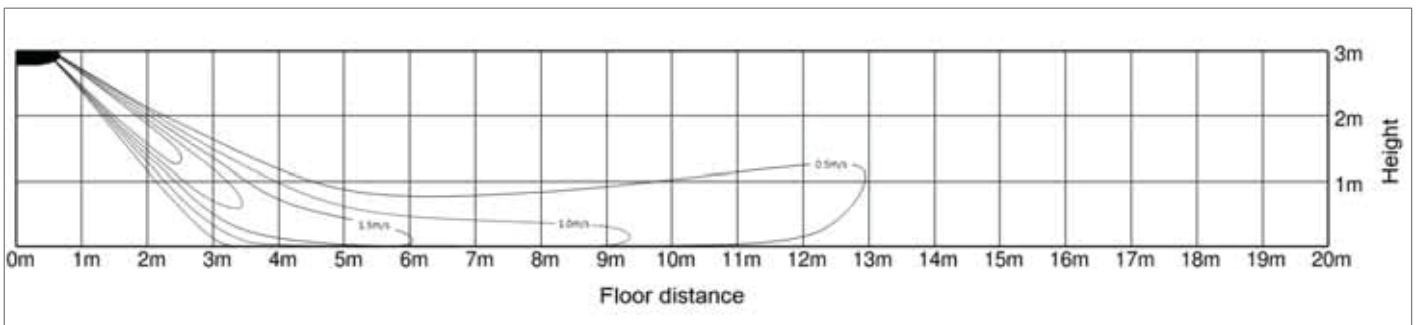
(2) Cooling temperature distribution

Discharge angle : 32°



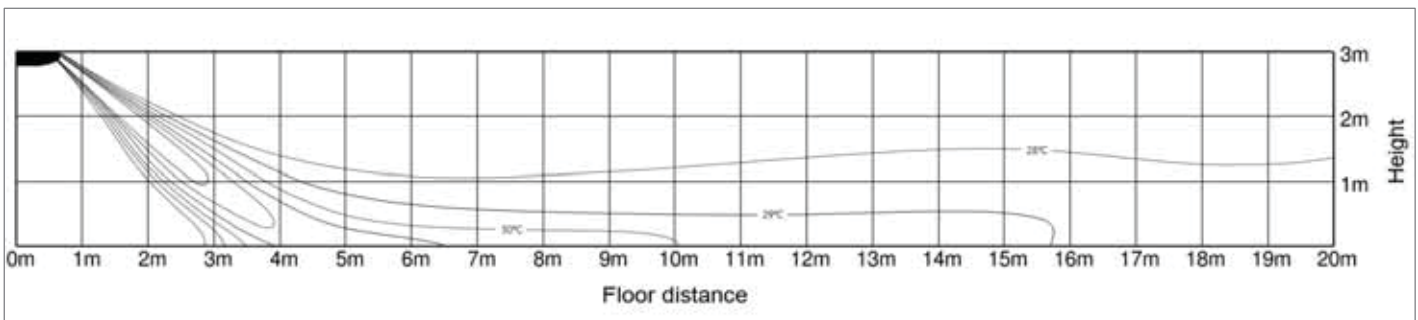
(3) Heating air velocity distribution

Discharge angle : 43°



(4) Heating temperature distribution

Discharge angle : 43°



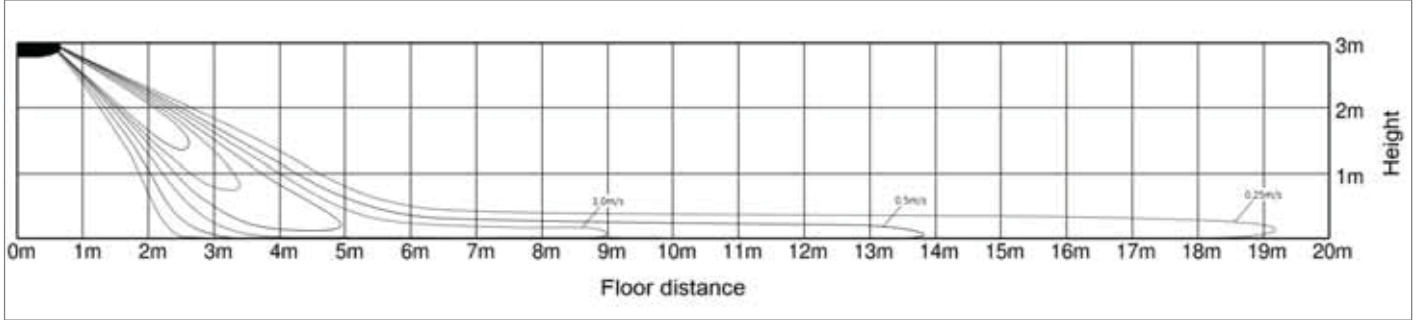
14 Big Ceiling

14-7. Temperature and air flow distribution

AM140JNCDKH/TK

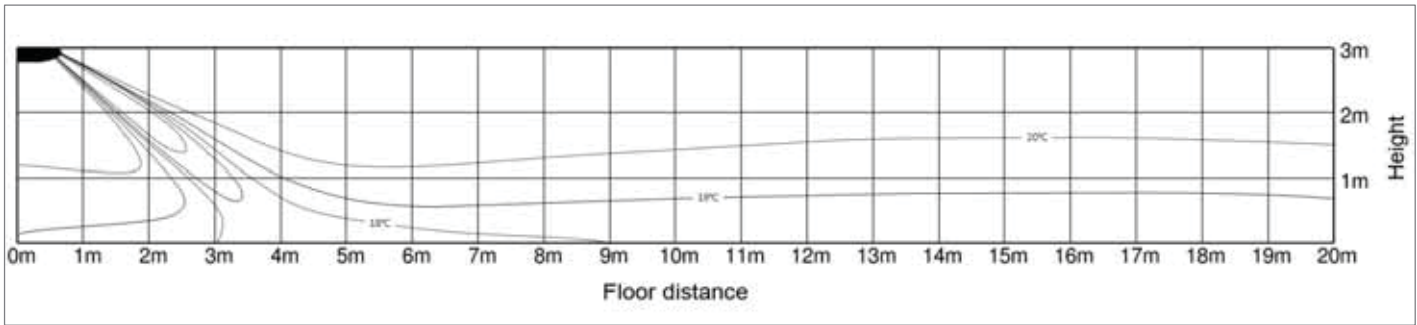
(1) Cooling air velocity distribution

Discharge angle : 32°



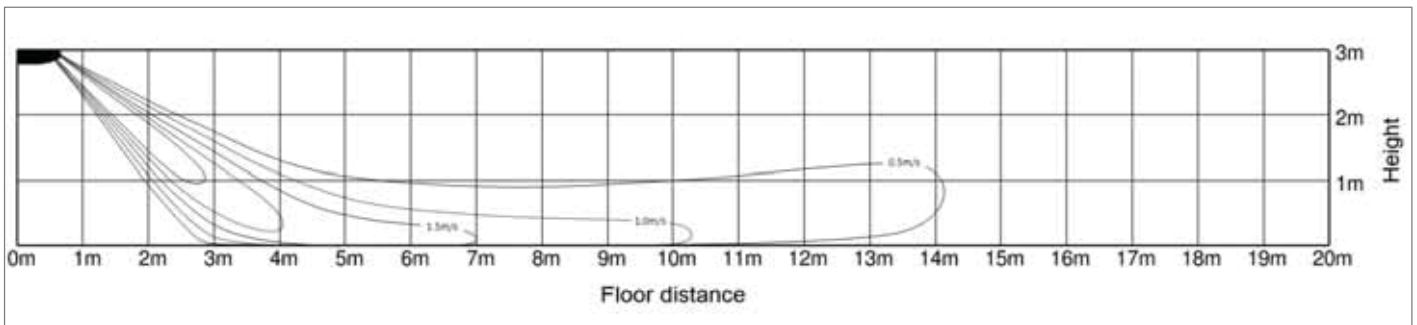
(2) Cooling temperature distribution

Discharge angle : 32°



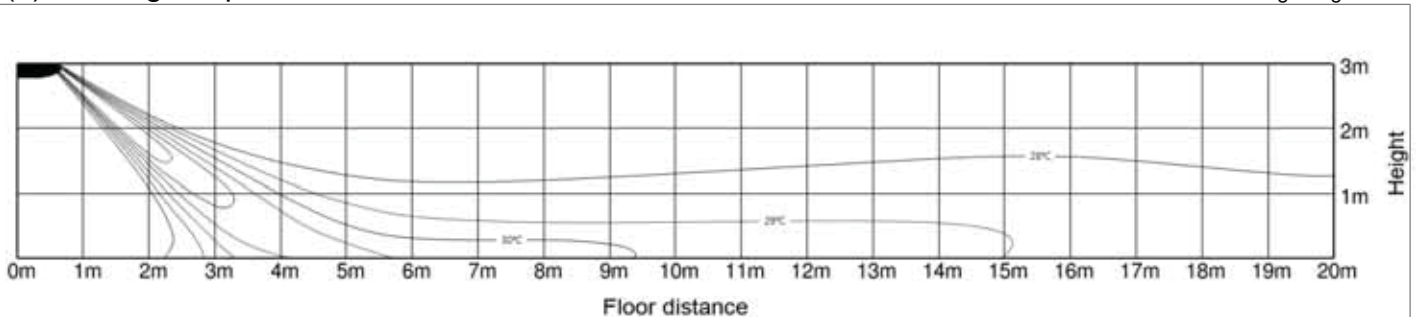
(3) Heating air velocity distribution

Discharge angle : 43°



(4) Heating temperature distribution

Discharge angle : 43°



15 Console

15-1. Specifications

15-2. Capacity tables

15-3. Dimensional drawing

15-4. Electrical wiring diagram

15-5. Sound pressure level

15-6. Temperature and air flow distribution

15-1. Specifications

Type			Console		Console	
Model			AM022KNJDEH/TK		AM045KNJDEH/TK	
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	
Mode			-	HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	2.20	4.50	
			Btu/h	7,500	15,400	
		Heating	kW	2.50	5.00	
			Btu/h	8,500	17,100	
Power	Power Input (Nominal)	Cooling	W	16.00	36.00	
		Heating	W	16.00	36.00	
	Current Input (Nominal)	Cooling	A	0.13	0.30	
		Heating	A	0.13	0.30	
Fan	Motor	Type	-	Turbo Fan		
		Output x n	w	37 x 1		
	Air Flow Rate	H/M/L (UL)	CMM	6.30 / 5.40 / 4.90		
			l/s	105.00 / 90.00 / 81.67		
	External Pressure	Min/Std/Max	mmAq	-		
Pa			-			
Piping Connections	Liquid Pipe		Ø, mm	6.35		
			Ø, inch	1/4"		
	Gas Pipe		Ø, mm	12.70		
			Ø, inch	1/2"		
	Drain Pipe		Ø, mm	ID18 HOSE		
Field Wiring	Power Source Wire		mm ²	1.5 - 2.5		
	Transmission Cable		mm ²	0.75 - 1.50		
Refrigerant	Type	-		R410A		
	Control Method	-		EEV INCLUDED		
Sound	Pressure	High / Mid / Low	dB(A)	34 / 32 / 30		
	Power	Cooling		52		
Dimension	Net Weight		kg	15.50		
	Shipping Weight		kg	20.50		
	Net Dimensions (WxHxD)		mm	720 x 620 x 199		
	Shipping Dimensions (WxHxD)		mm	810 x 710 x 295		
Panel Size	Panel model		-	-		
	Panel Net Weight		kg	-		
	Shipping Weight		kg	-		
	Net Dimensions (WxHxD)		mm	-		
	Shipping Dimensions (WxHxD)		mm	-		
Additional Accessories	Drain Pump	Drain Pump	- / Model	-		
		Max. lifting Height / Displacement	mm/liter/h	-		
	Air Filter		-	-		

 NOTE

- 1) Mode : HP(Heat Pump), HR(Heat Recovery)
 - 2) Nominal Cooling : Indoor temperature 27°CDB / 19°CWB, Outdoor temperature 35°CDB/24°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
 - 3) Nominal Heating : Indoor temperature 20°CDB / 15°CWB, Outdoor temperature 7°CDB / 6°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
 - 4) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 - 5) These products contain R410A which is fluorinated greenhouse gas.
 - 6) Specifications may be subject to change without prior notice.
- * Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

15-1. Specifications

Model				AM028FNJDEH/TK	AM036FNJDEH/TK	AM056FNJDEH/TK	
Power Supply		Ø, #, V, Hz		1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	
Mode				HP/HR	HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	2.8	3.6	5.6	
			Btu/h	9,600	12,300	19,100	
		Heating	kW	3.2	4.0	6.3	
			Btu/h	10,900	13,600	21,500	
Power	Power Input (Nominal)	Cooling	W	30	35	62	
		Heating	W	30	35	62	
	Current Input (Nominal)	Cooling	A	0.25	0.29	0.49	
		Heating	A	0.25	0.29	0.49	
Fan	Motor	Type	-	Turbo Fan	Turbo Fan	Turbo Fan	
		Output	W	37	37	37	
		Number of unit	EA	1	1	1	
	Air Flow Rate	H/M/L (UL)	CMM		7.00/6.00/5.00	8.50/7.50/6.50	13.00/11.50/10.00
			l/s		116.67/100.00/83.33	141.67/125.00/108.33	216.67/191.67/166.67
	External Pressure	Min / Std / Max	mmAq		-	-	-
			Pa		-	-	-
WG				-	-	-	
Option Code				019044-1950B7-201C1C-330010	019044-1950D7-202424-330010	019044-19541B-203838-330010	
Piping Connections	Liquid Pipe	Ø, mm		6.35	6.35	6.35	
		Ø, inch		1/4	1/4	1/4	
	Gas Pipe	Ø, mm		12.70	12.70	12.70	
		Ø, inch		1/2	1/2	1/2	
Drain Pipe		Ø, mm		ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	
Field Wiring	Power Source Wire	Below 20m / over 20m	mm ²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	
	Transmission Cable		mm ²	0.75~1.5	0.75~1.5	0.75~1.5	
Refrigerant	Type		-	R410A	R410A	R410A	
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dBA	38 / 36 / 34	39 / 37 / 34	43 / 40 / 37	
Dimensions	Net Weight		kg	16.00	16.00	16.00	
	Shipping Weight		kg	21.00	21.00	21.00	
	Net Dimensions (W×H×D)		mm	720 x 620 x 199	720 x 620 x 199	720 x 620 x 199	
	Shipping Dimensions (W×H×D)		mm	810 x 710 x 295	810 x 710 x 295	810 x 710 x 295	
Panel Size	Panel model		-	-	-	-	
	Panel Net Weight		kg	-	-	-	
	Shipping Weight		kg	-	-	-	
	Net Dimensions (W×H×D)		mm	-	-	-	
	Shipping Dimensions (W×H×D)		mm	-	-	-	
Additional Accessories	Drain pump	Drain pump	- / Model	-	-	-	
		Max. lifting Height / Displacement	mm/liter/h	-	-	-	
	Air Filter		-	Long life filter	Long life filter	Long life filter	

NOTE

- 1) Mode : HP(Heat Pump), HR(Heat Recovery)
 - 2) Nominal Cooling : Indoor temperature 27°CDB / 19°CWB, Outdoor temperature 35°CDB/24°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
 - 3) Nominal Heating : Indoor temperature 20°CDB / 15°CWB, Outdoor temperature 7°CDB / 6°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
 - 4) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 - 5) These products contain R410A which is fluorinated greenhouse gas.
 - 6) Specifications may be subject to change without prior notice.
- * Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

15-2. Capacity tables

Cooling

TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

Model	Outdoor Air Temp. (DB)	Indoor temperature													
		20 (°C, DB) 14 (°C, WB)		23 (°C, DB) 16 (°C, WB)		26 (°C, DB) 18 (°C, WB)		27 (°C, DB) 19 (°C, WB)		28 (°C, DB) 20 (°C, WB)		30 (°C, DB) 22 (°C, WB)		32 (°C, DB) 24 (°C, WB)	
		TC(kW)	SHC(kW)	TC(kW)	SHC(kW)	TC(kW)	SHC(kW)	TC(kW)	SHC(kW)	TC(kW)	SHC(kW)	TC(kW)	SHC(kW)	TC(kW)	SHC(kW)
022	10.0	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.50	1.60	2.60	1.40
	12.0	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.50	1.60	2.60	1.40
	14.0	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.50	1.60	2.60	1.40
	16.0	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40
	18.0	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40
	20.0	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40
	21.0	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40
	23.0	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40
	25.0	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40
	27.0	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40
	29.0	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40
	31.0	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40
	33.0	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40
	35.0	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40
37.0	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40	
39.0	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.50	1.30	
045	10.0	3.10	2.60	3.70	2.70	4.20	2.90	4.50	3.00	4.70	3.00	5.00	3.00	5.40	2.80
	12.0	3.10	2.60	3.70	2.70	4.20	2.90	4.50	3.00	4.70	3.00	5.00	3.00	5.40	2.80
	14.0	3.10	2.60	3.70	2.70	4.20	2.90	4.50	3.00	4.70	3.00	5.00	3.00	5.40	2.80
	16.0	3.10	2.60	3.70	2.70	4.20	2.90	4.50	3.00	4.70	3.00	5.00	3.00	5.30	2.70
	18.0	3.10	2.60	3.70	2.70	4.20	2.90	4.50	3.00	4.70	3.00	5.00	3.00	5.30	2.70
	20.0	3.10	2.60	3.70	2.70	4.20	2.90	4.50	3.00	4.70	3.00	5.00	3.00	5.30	2.70
	21.0	3.10	2.60	3.70	2.70	4.20	2.90	4.50	3.00	4.70	3.00	5.00	3.00	5.30	2.70
	23.0	3.10	2.60	3.70	2.70	4.20	2.90	4.50	3.00	4.70	3.00	5.00	3.00	5.30	2.70
	25.0	3.10	2.60	3.70	2.70	4.20	2.90	4.50	3.00	4.70	3.00	5.00	3.00	5.30	2.70
	27.0	3.10	2.60	3.70	2.70	4.20	2.90	4.50	3.00	4.70	3.00	5.00	3.00	5.30	2.70
	29.0	3.10	2.60	3.70	2.70	4.20	2.90	4.50	3.00	4.70	3.00	5.00	3.00	5.30	2.70
	31.0	3.10	2.60	3.70	2.70	4.20	2.90	4.50	3.00	4.70	3.00	5.00	3.00	5.30	2.70
	33.0	3.10	2.60	3.70	2.70	4.20	2.90	4.50	3.00	4.70	3.00	5.00	3.00	5.30	2.70
	35.0	3.10	2.60	3.70	2.70	4.20	2.90	4.50	3.00	4.70	3.00	5.00	3.00	5.30	2.70
37.0	3.10	2.60	3.70	2.70	4.20	2.90	4.50	3.00	4.60	2.90	4.90	2.90	5.20	2.60	
39.0	3.10	2.60	3.70	2.70	4.20	2.90	4.50	3.00	4.60	2.90	4.90	2.90	5.10	2.50	

15-2. Capacity tables

Cooling

TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)													
		20 (°C, DB)		23 (°C, DB)		26 (°C, DB)		27 (°C, DB)		28 (°C, DB)		30 (°C, DB)		32 (°C, DB)	
		14 (°C, WB)		16 (°C, WB)		18 (°C, WB)		19 (°C, WB)		20 (°C, WB)		22 (°C, WB)		24 (°C, WB)	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
028	10	1.9	1.7	2.3	2.0	2.6	2.0	2.8	2.2	2.9	2.2	3.1	2.2	3.4	2.1
	12	1.9	1.7	2.3	2.0	2.6	2.0	2.8	2.2	2.9	2.2	3.1	2.2	3.3	2.0
	14	1.9	1.7	2.3	2.0	2.6	2.0	2.8	2.2	2.9	2.2	3.1	2.2	3.3	2.0
	16	1.9	1.7	2.3	2.0	2.6	2.0	2.8	2.2	2.9	2.2	3.1	2.2	3.3	2.0
	18	1.9	1.7	2.3	2.0	2.6	2.0	2.8	2.2	2.9	2.2	3.1	2.2	3.3	2.0
	20	1.9	1.7	2.3	2.0	2.6	2.0	2.8	2.2	2.9	2.2	3.1	2.2	3.3	2.0
	21	1.9	1.7	2.3	2.0	2.6	2.0	2.8	2.2	2.9	2.2	3.1	2.2	3.3	2.0
	23	1.9	1.7	2.3	2.0	2.6	2.0	2.8	2.2	2.9	2.2	3.1	2.2	3.3	2.0
	25	1.9	1.7	2.3	2.0	2.6	2.0	2.8	2.2	2.9	2.2	3.1	2.2	3.3	2.0
	27	1.9	1.7	2.3	2.0	2.6	2.0	2.8	2.2	2.9	2.2	3.1	2.2	3.3	2.0
	29	1.9	1.7	2.3	2.0	2.6	2.0	2.8	2.2	2.9	2.2	3.1	2.2	3.3	2.0
	31	1.9	1.7	2.3	2.0	2.6	2.0	2.8	2.2	2.9	2.2	3.1	2.2	3.3	2.0
	33	1.9	1.7	2.3	2.0	2.6	2.0	2.8	2.2	2.9	2.2	3.1	2.2	3.3	2.0
	35	1.9	1.7	2.3	2.0	2.6	2.0	2.8	2.2	2.9	2.2	3.1	2.2	3.3	2.0
	37	1.9	1.7	2.3	2.0	2.6	2.0	2.8	2.2	2.9	2.2	3.1	2.2	3.3	2.0
	39	1.9	1.7	2.3	2.0	2.6	2.0	2.8	2.2	2.9	2.2	3.0	2.1	3.2	1.9
036	10	2.5	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.3	2.4
	12	2.5	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.3	2.4
	14	2.5	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.3	2.4
	16	2.5	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.3	2.4
	18	2.5	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.3	2.4
	20	2.5	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	21	2.5	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	23	2.5	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	25	2.5	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	27	2.5	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	29	2.5	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	31	2.5	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	33	2.5	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	35	2.5	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.3
	37	2.5	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.7	2.5	3.9	2.4	4.2	2.3
	39	2.5	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.7	2.5	3.9	2.4	4.1	2.2
056	10	3.1	3.0	4.5	3.5	5.3	3.6	5.6	3.8	5.8	3.8	6.2	3.8	6.7	3.6
	12	3.1	3.0	4.5	3.5	5.3	3.6	5.6	3.8	5.8	3.8	6.2	3.8	6.7	3.6
	14	3.1	3.0	4.5	3.5	5.3	3.6	5.6	3.8	5.8	3.8	6.2	3.8	6.7	3.6
	16	3.1	3.0	4.5	3.5	5.3	3.6	5.6	3.8	5.8	3.8	6.2	3.8	6.7	3.6
	18	3.1	3.0	4.5	3.5	5.3	3.6	5.6	3.8	5.8	3.8	6.2	3.8	6.7	3.6
	20	3.1	3.0	4.5	3.5	5.3	3.6	5.6	3.8	5.8	3.8	6.2	3.8	6.5	3.5
	21	3.1	3.0	4.5	3.5	5.3	3.6	5.6	3.8	5.8	3.8	6.2	3.8	6.5	3.5
	23	3.1	3.0	4.5	3.5	5.3	3.6	5.6	3.8	5.8	3.8	6.2	3.8	6.5	3.5
	25	3.1	3.0	4.5	3.5	5.3	3.6	5.6	3.8	5.8	3.8	6.2	3.8	6.5	3.5
	27	3.1	3.0	4.5	3.5	5.3	3.6	5.6	3.8	5.8	3.8	6.2	3.8	6.5	3.5
	29	3.1	3.0	4.5	3.5	5.3	3.6	5.6	3.8	5.8	3.8	6.2	3.8	6.5	3.5
	31	3.1	3.0	4.5	3.5	5.3	3.6	5.6	3.8	5.8	3.8	6.2	3.8	6.5	3.5
	33	3.1	3.0	4.5	3.5	5.3	3.6	5.6	3.8	5.8	3.8	6.2	3.8	6.5	3.5
	35	3.1	3.0	4.5	3.5	5.3	3.6	5.6	3.8	5.8	3.8	6.2	3.8	6.5	3.5
	37	3.1	3.0	4.5	3.5	5.3	3.6	5.6	3.8	5.8	3.8	6.1	3.6	6.5	3.5
	39	3.1	3.0	4.5	3.5	5.3	3.6	5.6	3.8	5.8	3.8	6.1	3.6	6.4	3.3

15-2. Capacity tables

Heating

TC : Total Capacity(kW)

Model	Outdoor Air Temp. (°C)		Indoor temperature				
			16 (°C, DB)	18 (°C, DB)	20 (°C, DB)	22 (°C, DB)	24 (°C, DB)
	DB	WB	TC(kW)	TC(kW)	TC(kW)	TC(kW)	TC(kW)
2.20	-24.8	-25.0	2.90	2.90	2.60	2.70	2.70
	-21.8	-22.0	3.00	3.00	2.80	2.80	2.80
	-19.8	-20.0	3.10	3.10	2.90	2.90	2.90
	-18.8	-19.0	3.10	3.10	3.00	2.90	2.90
	-16.7	-17.0	3.20	3.20	3.10	3.00	3.00
	-14.7	-15.0	3.30	3.30	3.20	3.10	3.00
	-12.6	-13.0	3.50	3.40	3.40	3.30	3.20
	-10.5	-11.0	3.70	3.60	3.60	3.50	3.40
	-9.5	-10.0	3.70	3.60	3.60	3.50	3.50
	-8.5	-9.1	3.80	3.70	3.70	3.60	3.60
	-7.0	-7.6	3.90	3.80	3.80	3.70	3.60
	-5.0	-5.6	4.10	4.00	4.00	3.90	3.70
	-3.0	-3.7	4.30	4.20	4.20	4.00	3.90
	0.0	-0.7	4.50	4.40	4.40	4.20	4.00
	3.0	2.2	4.70	4.70	4.60	4.40	4.20
	5.0	4.1	4.90	4.90	4.80	4.50	4.20
	7.0	6.0	5.10	5.10	5.00	4.60	4.20
9.0	7.9	5.30	5.20	5.00	4.60	4.20	
11.0	9.8	5.50	5.20	5.00	4.60	4.20	
13.0	11.8	5.60	5.30	5.00	4.60	4.20	
15.0	13.7	5.80	5.40	5.00	4.60	4.20	
4.50	-24.8	-25.0	14.00	13.50	12.70	11.60	10.50
	-21.8	-22.0	14.40	13.80	13.00	12.20	11.50
	-19.8	-20.0	14.60	14.10	13.30	12.60	12.20
	-18.8	-19.0	14.80	14.20	13.40	12.90	12.50
	-16.7	-17.0	15.10	14.50	13.70	13.30	13.20
	-14.7	-15.0	15.70	15.00	14.20	13.80	13.60
	-12.6	-13.0	16.40	15.70	14.90	14.40	14.20
	-10.5	-11.0	17.50	16.80	15.90	15.20	15.00
	-9.5	-10.0	17.90	17.10	16.20	15.50	15.30
	-8.5	-9.1	18.00	17.30	16.30	15.70	15.50
	-7.0	-7.6	18.30	17.60	16.60	16.10	15.80
	-5.0	-5.6	18.90	18.10	17.10	16.70	16.30
	-3.0	-3.7	19.30	18.60	17.50	17.40	16.60
	0.0	-0.7	19.70	19.10	17.90	17.50	17.10
	3.0	2.2	20.20	19.40	18.00	17.60	17.00
	5.0	4.1	20.40	19.40	18.00	17.60	17.00
	7.0	6.0	20.70	19.40	18.00	17.60	17.00
9.0	7.9	20.70	19.40	18.00	17.60	17.00	
11.0	9.8	20.70	19.40	18.00	17.60	17.00	
13.0	11.8	20.70	19.40	18.00	17.60	17.00	
15.0	13.7	20.70	19.40	18.00	17.60	17.00	

15-2. Capacity tables

Heating

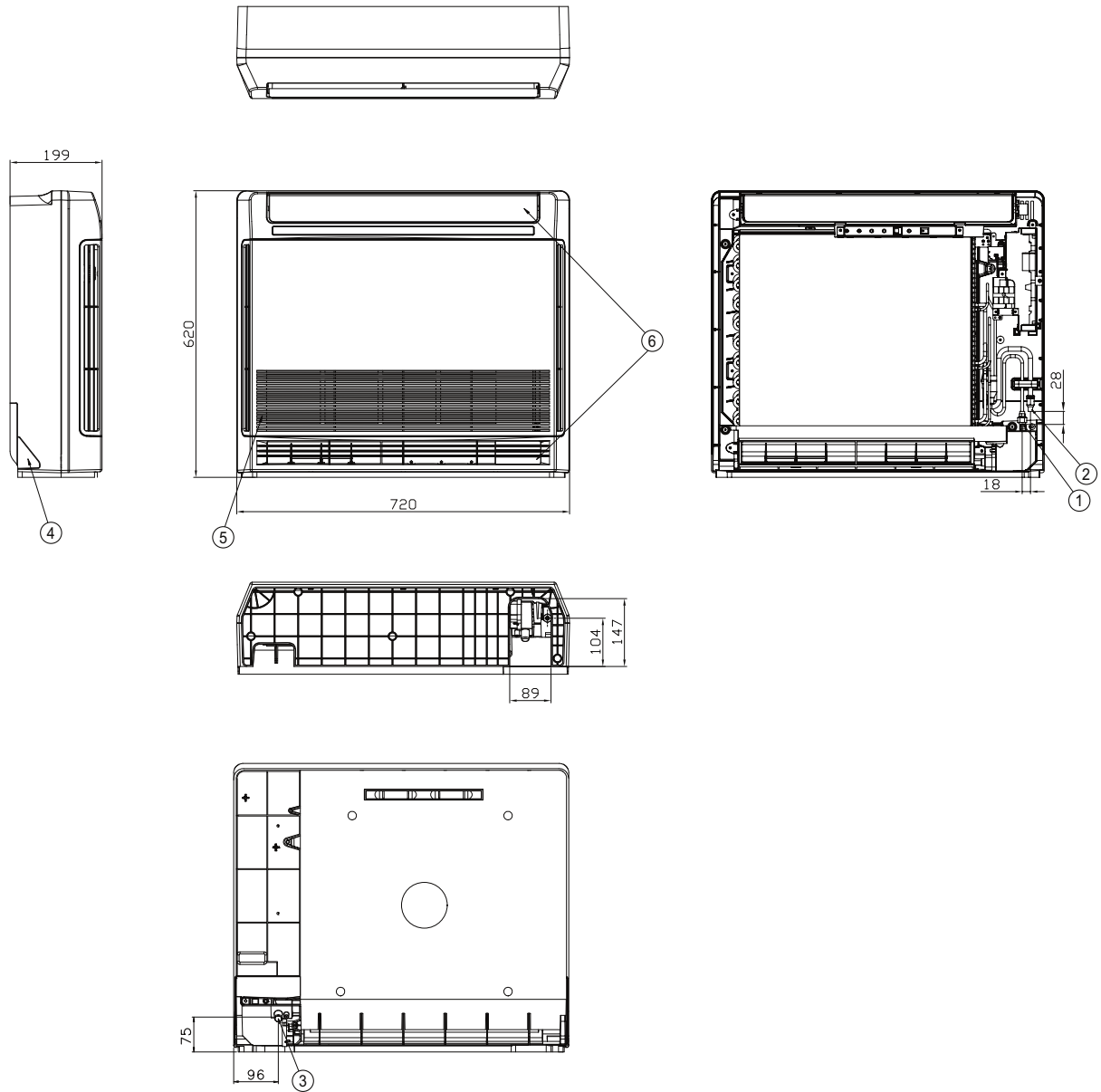
TC : Total Capacity(kW)

Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC	TC	TC	TC	TC
028	-20	-21	1.9	1.9	1.9	1.9	1.9
	-17	-18	2.0	2.0	2.0	2.0	1.9
	-15	-16	2.1	2.1	2.0	2.0	1.9
	-12	-13	2.2	2.2	2.2	2.1	2.1
	-10	-11	2.3	2.3	2.3	2.3	2.2
	-7	-8	2.5	2.4	2.4	2.4	2.3
	-5	-6	2.6	2.6	2.5	2.5	2.4
	-3	-4	2.8	2.7	2.7	2.6	2.5
	0	-1	2.9	2.8	2.8	2.7	2.6
	3	2.2	3.0	3.0	2.9	2.8	2.7
	5	4.1	3.2	3.1	3.1	2.9	2.7
	7	6	3.3	3.2	3.2	3.0	2.7
	9	7.9	3.4	3.3	3.2	3.0	2.7
	11	9.8	3.5	3.3	3.2	3.0	2.7
	13	12	3.6	3.4	3.2	3.0	2.7
15	14	3.7	3.4	3.2	3.0	2.7	
036	-20	-21	2.4	2.4	2.3	2.3	2.3
	-17	-18	2.6	2.5	2.4	2.4	2.3
	-15	-16	2.7	2.6	2.5	2.5	2.4
	-12	-13	2.8	2.7	2.7	2.6	2.6
	-10	-11	2.9	2.9	2.9	2.8	2.8
	-7	-8	3.1	3.1	3.0	3.0	2.9
	-5	-6	3.3	3.2	3.2	3.1	3.0
	-3	-4	3.4	3.4	3.3	3.2	3.1
	0	-1	3.6	3.6	3.5	3.4	3.2
	3	2.2	3.8	3.7	3.7	3.5	3.4
	5	4.1	3.9	3.9	3.8	3.6	3.4
	7	6	4.1	4.1	4.0	3.7	3.4
	9	7.9	4.2	4.1	4.0	3.7	3.4
	11	9.8	4.4	4.2	4.0	3.7	3.4
	13	12	4.5	4.2	4.0	3.7	3.4
15	14	4.6	4.3	4.0	3.7	3.4	
056	-20	-21	3.8	3.8	3.6	3.6	3.6
	-17	-18	4.1	3.9	3.8	3.8	3.6
	-15	-16	4.3	4.1	3.9	3.9	3.8
	-12	-13	4.4	4.3	4.3	4.1	4.1
	-10	-11	4.6	4.6	4.6	4.4	4.4
	-7	-8	4.9	4.9	4.7	4.7	4.6
	-5	-6	5.2	5.0	5.0	4.9	4.7
	-3	-4	5.4	5.4	5.2	5.0	4.9
	0	-1	5.7	5.7	5.5	5.4	5.0
	3	2.2	6.0	5.8	5.8	5.5	5.4
	5	4.1	6.1	6.1	6.0	5.7	5.4
	7	6	6.5	6.5	6.3	5.8	5.4
	9	7.9	6.6	6.5	6.3	5.8	5.4
	11	9.8	6.9	6.6	6.3	5.8	5.4
	13	12	7.1	6.6	6.3	5.8	5.4
15	14	7.2	6.8	6.3	5.8	5.4	

15-3. Dimensional drawing

AM022/045KNJDEH/TK, AM028/036FNJDEH/TK

[Unit : mm]



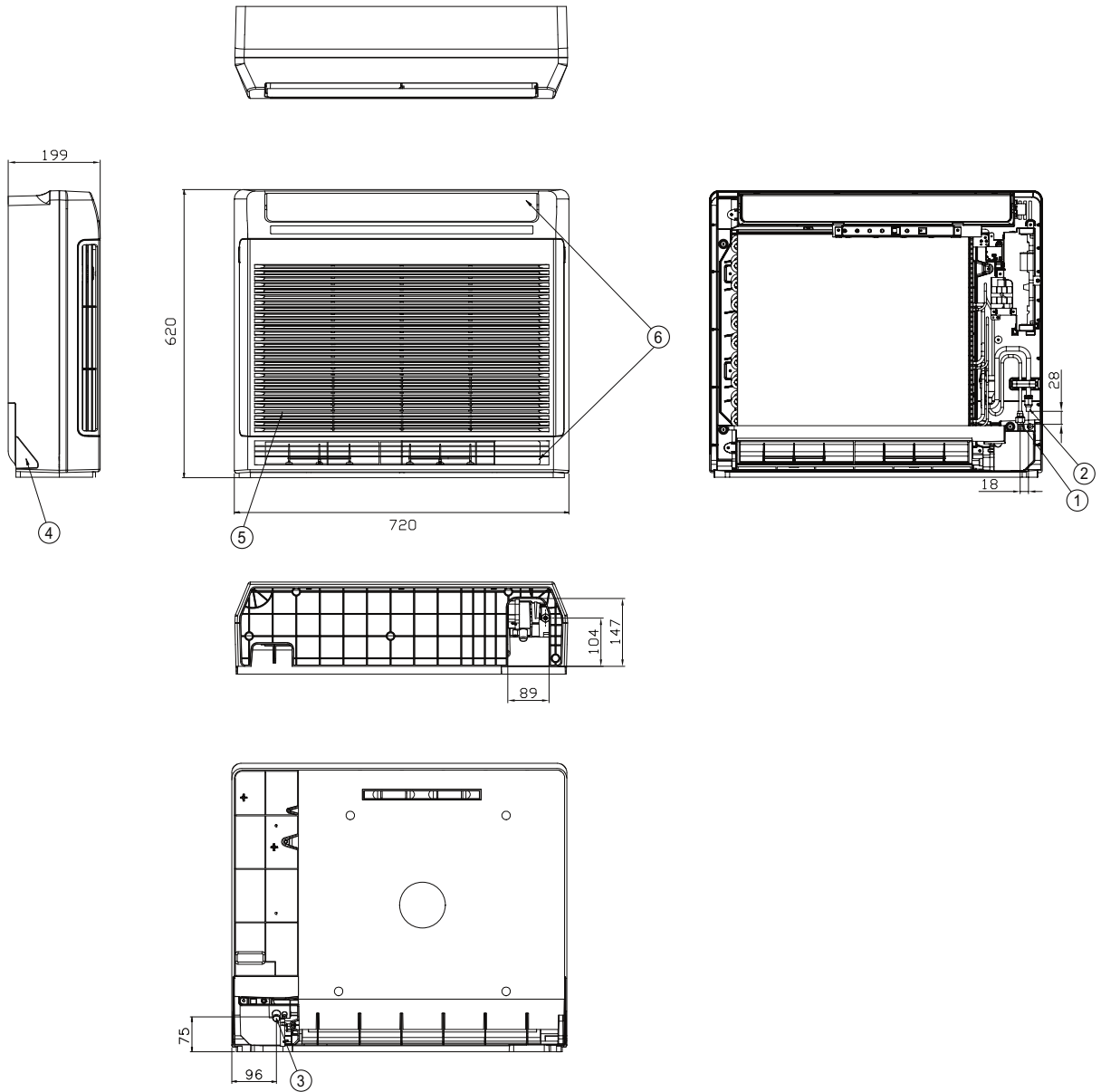
No.	Name	Description			
		2.2kW	2.8kW	3.6kW	4.5kW
①	Liquid pipe connection	Ø6.35 Flare			
②	Gas pipe connection	Ø12.70 Flare			
③	Drain pipe connection	ID18 Hose			
④	Conduit for power supply & communication wiring	-			
⑤	Air inlet grille	-			
⑥	Air outlet louver	-			

15 Console

15-3. Dimensional drawing

AM056FNJDEH/TK

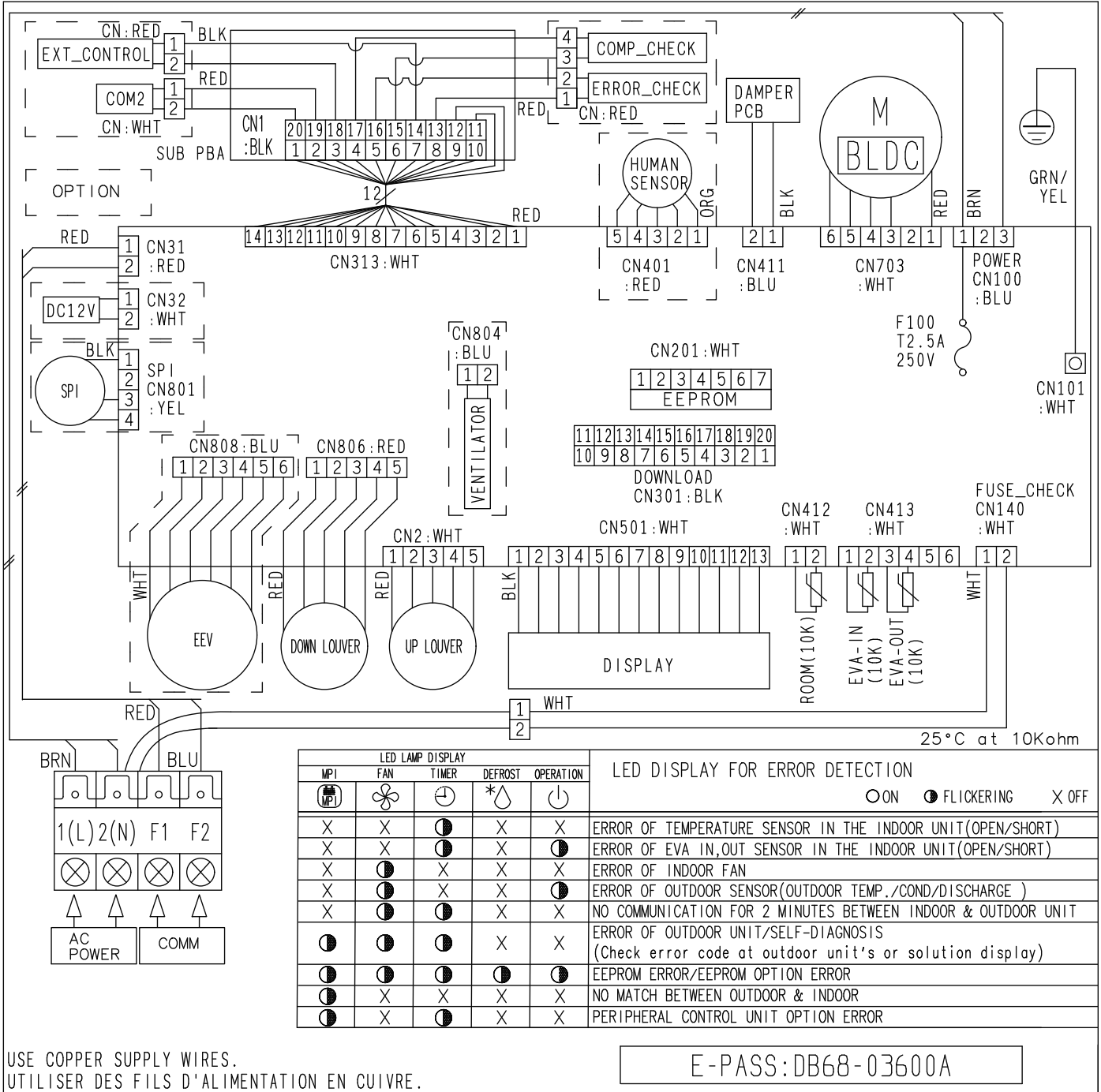
[Unit : mm]



No.	Name	Description
		5.6kW
①	Liquid pipe connection	Ø6.35 Flare
②	Gas pipe connection	Ø12.70 Flare
③	Drain pipe connection	ID18 Hose
④	Conduit for power supply & communication wiring	-
⑤	Air inlet grille	-
⑥	Air outlet louver	-

15-4. Electrical wiring diagram

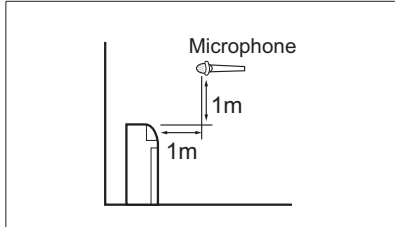
AM022/045KNJDEH/TK, AM028/036/056FNJDEH/TK



NOTE

- This wiring diagram applies only to the indoor unit.
- Symbols show as follow;
BLK : black, RED : red, BLU : blue, WHT:white, YEL : yellow, BRN : brown, SKY : sky-blue, GRN : green
- For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remotecontroller transmission F3-F4.
- : Protective earth(screw), : Connector, n : The wire quantity

15-5. Sound pressure level



Unit: dB(A)

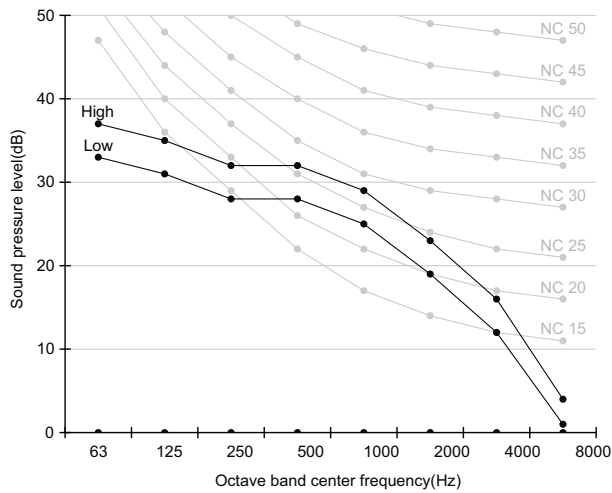
Model	High	Low
AM022KNJDEH/TK	34	30
AM045KNJDEH/TK	42	36

Note

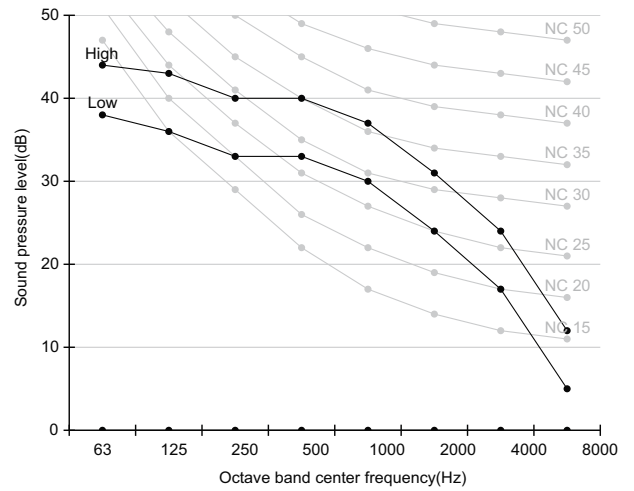
Specifications may be subject to change without prior notice.
 Sound pressure level is obtained in an anechoic room.
 Sound pressure level is a relative value, depending on the distance and acoustic environment.
 Sound pressure level may differ depending on operation condition.
 dBA = A-weighted sound pressure level
 Reference acoustic pressure 0 dB= 20 uPa

NC curve

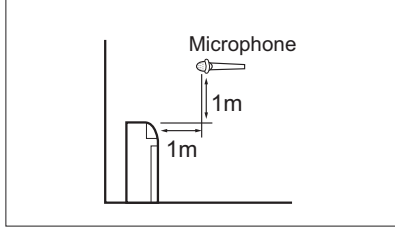
1) AM022KNJDEH/TK



2) AM045KNJDEH/TK



15-5. Sound pressure level



Unit: dB(A)

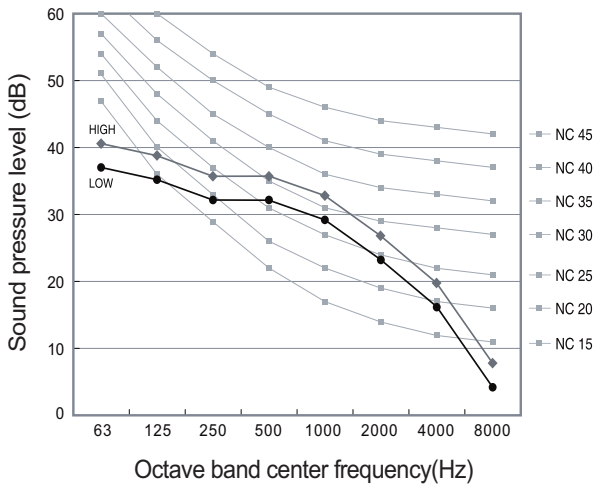
Model	High	Low
AM028FNJDEH/TK	38	34
AM036FNJDEH/TK	39	34
AM056FNJDEH/TK	43	37

Note

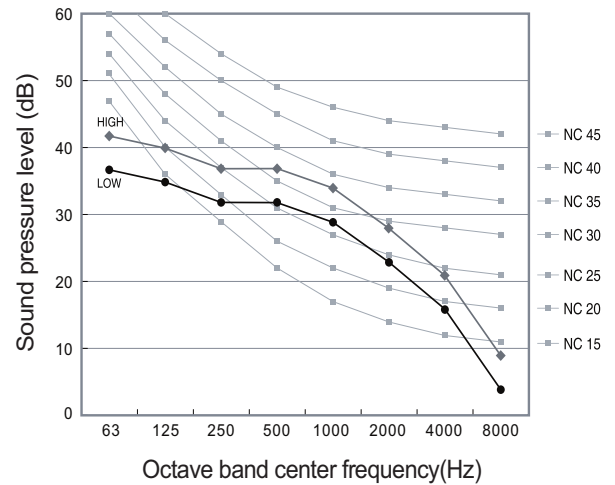
Specifications may be subject to change without prior notice.
 Sound pressure level is obtained in an anechoic room.
 Sound pressure level is a relative value, depending on the distance and acoustic environment.
 Sound pressure level may differ depending on operation condition.
 dBA = A-weighted sound pressure level
 Reference acoustic pressure 0 dB= 20 uPa

NC curve

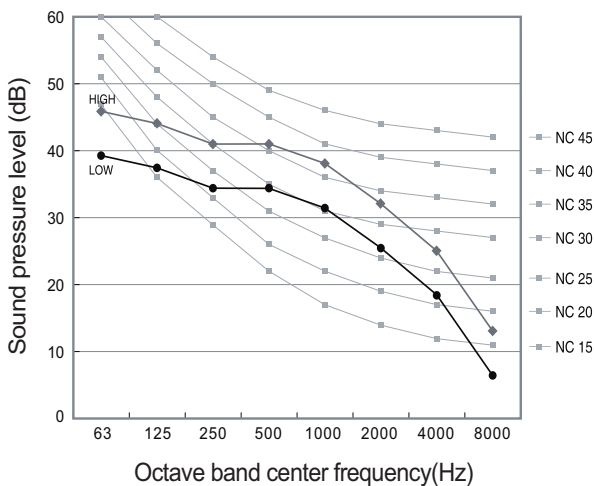
1) AM028FNJDEH/TK



2) AM036FNJDEH/TK



3) AM056FNJDEH/TK

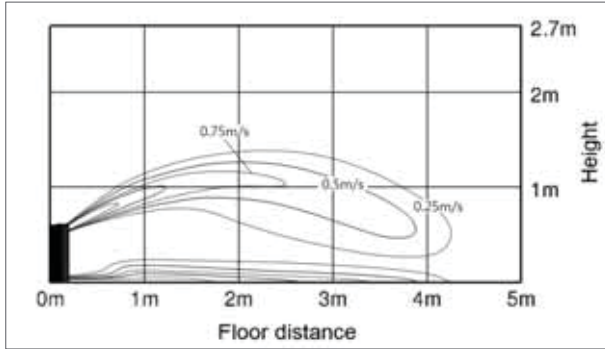


15-6. Temperature and air flow distribution

AM022KNJDEH/TK

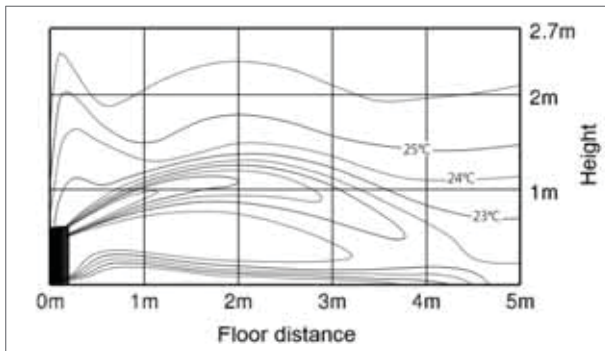
(1) Cooling air velocity distribution

Discharge angle (Default) : 40°



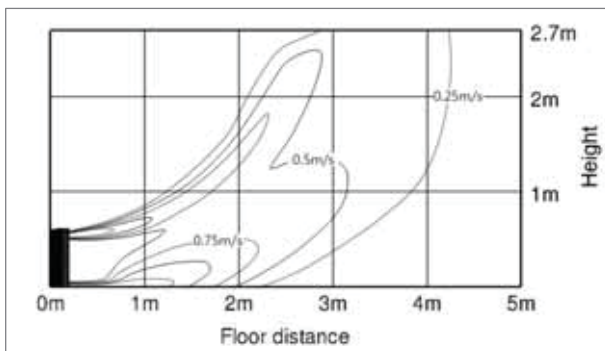
(2) Cooling temperature distribution

Discharge angle (Default) : 40°



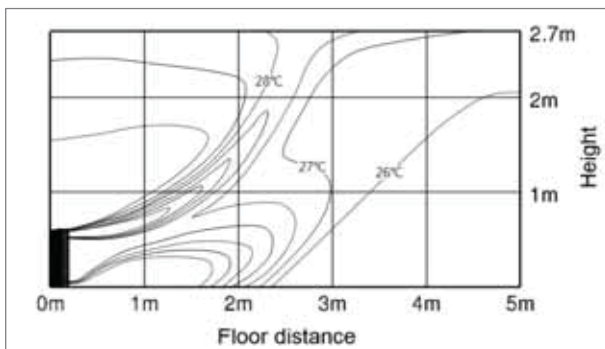
(3) Heating air velocity distribution

Discharge angle (Default) : 4°



(4) Heating temperature distribution

Discharge angle (Default) : 4°

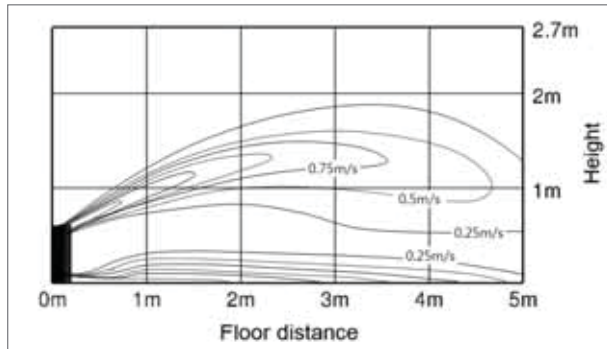


15-6. Temperature and air flow distribution

AM028FNJDEH/TK

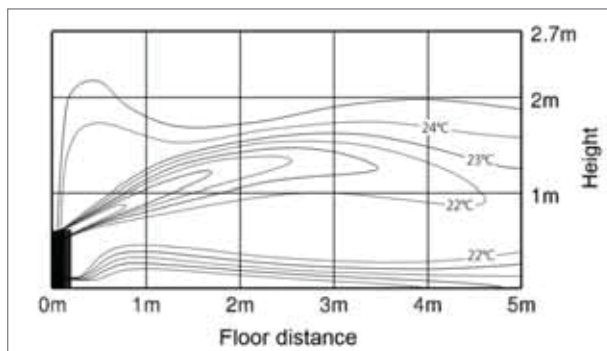
(1) Cooling air velocity distribution

Discharge angle (Default) : 40°



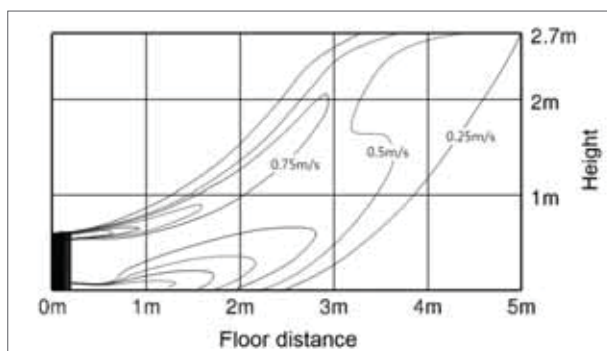
(2) Cooling temperature distribution

Discharge angle (Default) : 40°



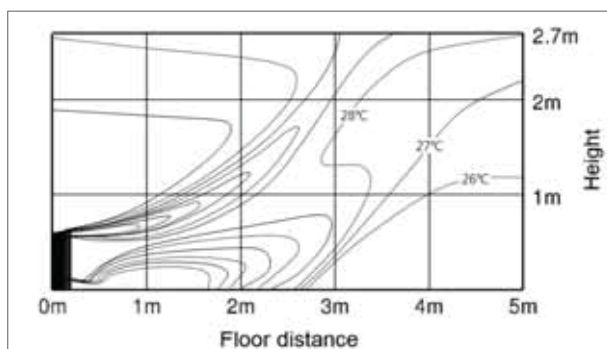
(3) Heating air velocity distribution

Discharge angle (Default) : 4°



(4) Heating temperature distribution

Discharge angle (Default) : 4°

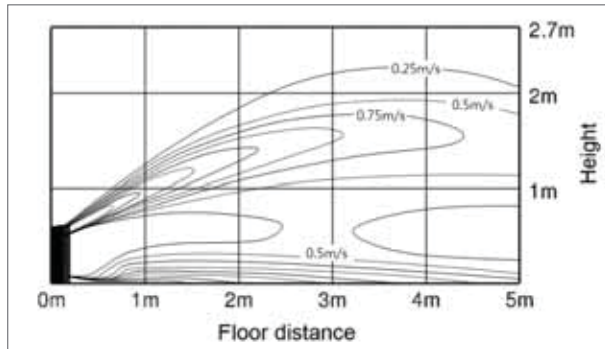


15-6. Temperature and air flow distribution

AM036FNJDEH/TK

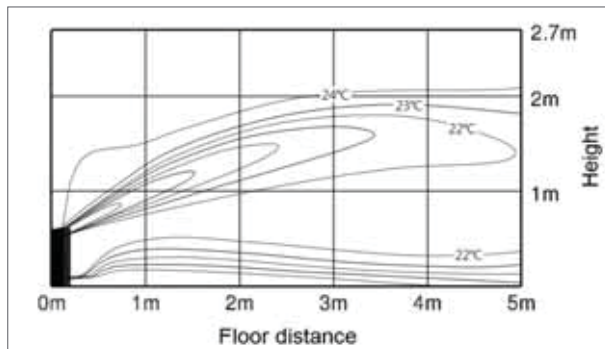
(1) Cooling air velocity distribution

Discharge angle (Default) : 40°



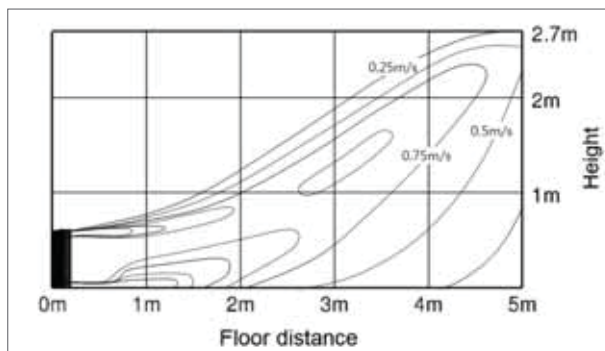
(2) Cooling temperature distribution

Discharge angle (Default) : 40°



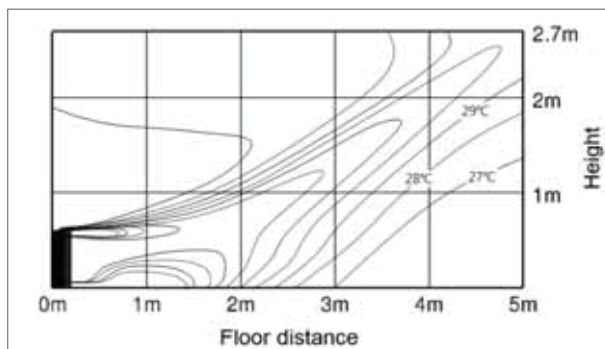
(3) Heating air velocity distribution

Discharge angle (Default) : 4°



(4) Heating temperature distribution

Discharge angle (Default) : 4°

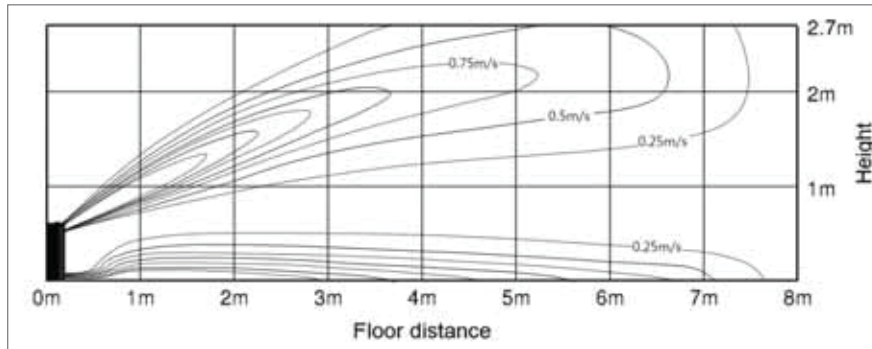


15-6. Temperature and air flow distribution

AM045KNJDEH/TK

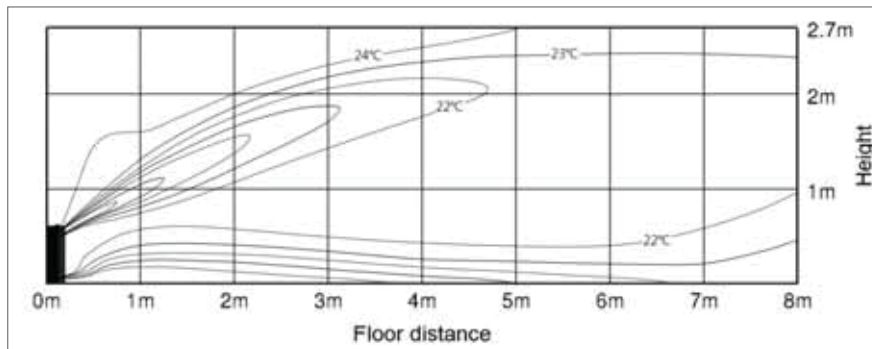
(1) Cooling air velocity distribution

Discharge angle (Default) : 40°



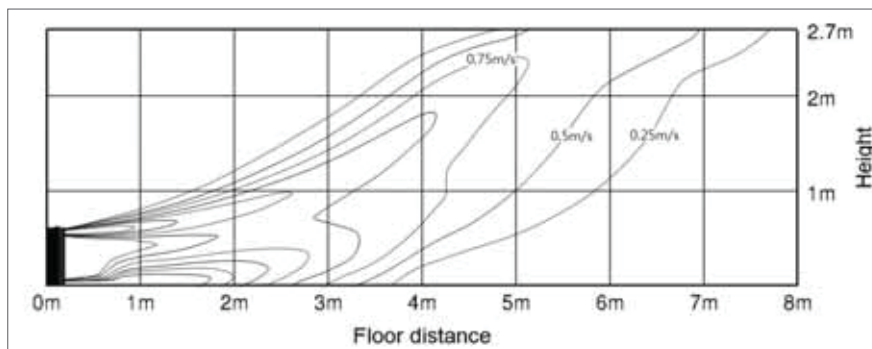
(2) Cooling temperature distribution

Discharge angle (Default) : 40°



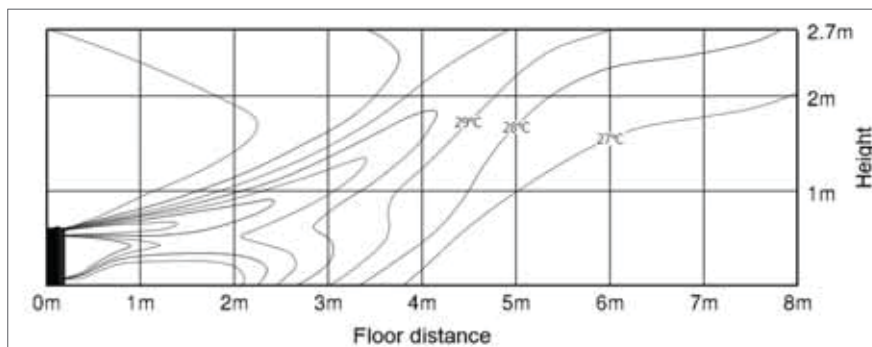
(3) Heating air velocity distribution

Discharge angle (Default) : 4°



(4) Heating temperature distribution

Discharge angle (Default) : 4°

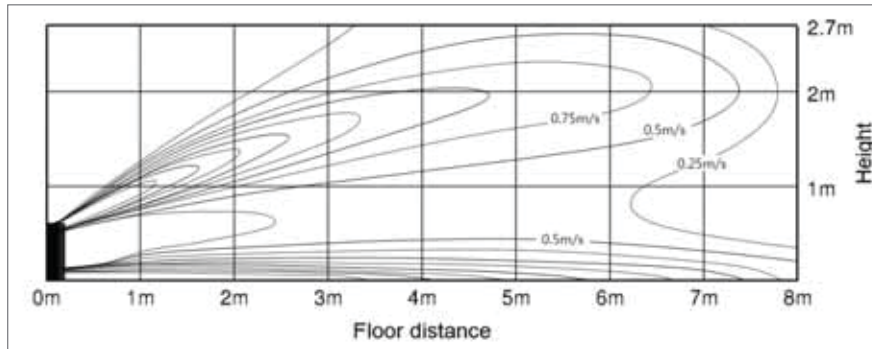


15-6. Temperature and air flow distribution

AM056FNJDEH/TK

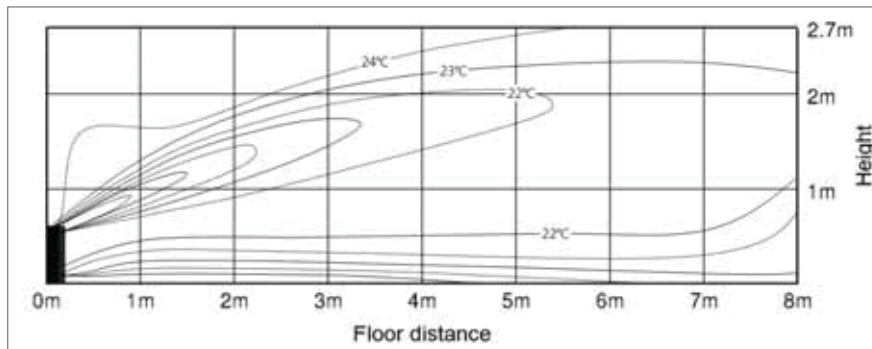
(1) Cooling air velocity distribution

Discharge angle (Default) : 40°



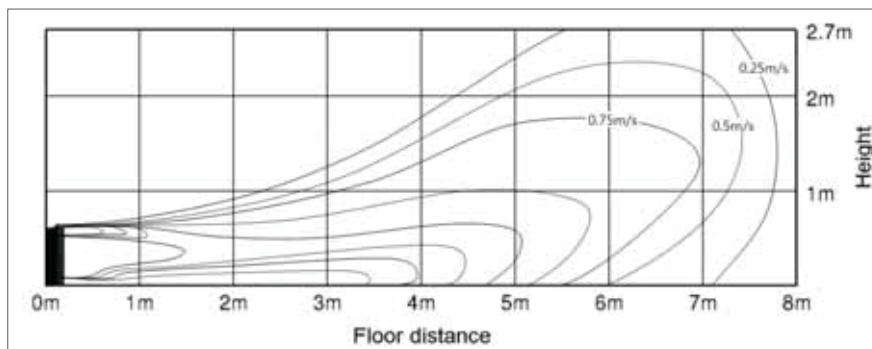
(2) Cooling temperature distribution

Discharge angle (Default) : 40°



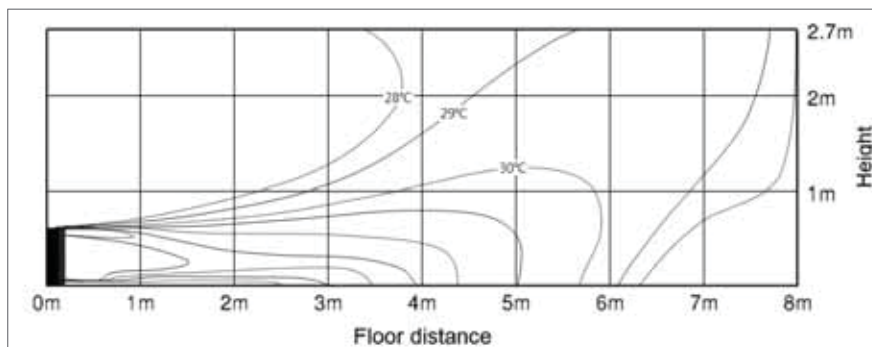
(3) Heating air velocity distribution

Discharge angle (Default) : 4°



(4) Heating temperature distribution

Discharge angle (Default) : 4°



16 Floor Standing

16-1. Specifications

16-2. Capacity tables

16-3. Dimensional drawing

16-4. Electrical wiring diagram

16-5. Sound pressure level

16-6. Temperature and air flow distribution

16-1. Specifications

Model			AM036FNFDEH***	AM056FNFDEH***	AM071FNFDEH***	
Power Supply			Ø, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50
Mode ^{*1)}			-	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling ^{*2)}	kW	3.6	5.6	7.1
			Btu/h	12,300	19,100	24,200
		Heating ^{*3)}	kW	4.0	6.3	8.0
			Btu/h	13,600	21,500	27,300
Power	Power Input (Nominal)	Cooling ^{*2)}	W	50	110	110
		Heating ^{*3)}	W	50	110	110
	Current Input (Nominal)	Cooling ^{*2)}	A	0.24	0.53	0.53
		Heating ^{*3)}	A	0.24	0.53	0.53
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan
		Output	W	-	-	-
		Number of unit	EA	-	-	-
	Air Flow Rate	H/M/L (UL)	CMM	10.00/8.50/6.00	15.50/14.00/11.00	15.50/14.00/11.00
			l/s	166.67/141.67/100.00	258.33/233.33/183.33	258.33/233.33/183.33
	External Pressure	Min / Std / Max	mmAq	-	-	-
			Pa	-	-	-
			WG	-	-	-
Option Code			-	01A054-105000-202424-330010	01A054-105000-203838-330010	01A054-105000-204747-330010
Piping Connections	Liquid Pipe	Ø, mm	6.35	9.52	9.52	
		Ø, inch	1/4	3/8	3/8	
	Gas Pipe	Ø, mm	12.70	15.88	15.88	
		Ø, inch	1/2	5/8	5/8	
Drain Pipe	Ø, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE		
Field Wiring	Power Source Wire	Below 20m / over 20m	mm ²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5
	Transmission Cable		mm ²	0.75~1.5	0.75~1.5	0.75~1.5
Refrigerant	Type	-	-	R410A	R410A	R410A
	Control Method	-	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low ⁴⁾	dBA	37 / 32 / 27	40 / 36 / 32	40 / 36 / 32
Dimensions	Net Weight		kg	23.0	28.5	28.5
	Shipping Weight		kg	27.0	33.3	33.3
	Net Dimensions (W×H×D)		mm	945 x 600 x 220	1225 x 600 x 220	1225 x 600 x 220
	Shipping Dimensions (W×H×D)		mm	1035 x 690 x 310	1335 x 690 x 310	1335 x 690 x 310
Panel Size	Panel model		-	-	-	-
	Panel Net Weight		kg	-	-	-
	Shipping Weight		kg	-	-	-
	Net Dimensions (W×H×D)		mm	-	-	-
	Shipping Dimensions (W×H×D)		mm	-	-	-
Additional Accessories	Drain pump	Drain pump	- / Model	-	-	-
		Max. lifting Height / Displacement	mm/liter/h	-	-	-
	Air Filter		-	-	Long life filter	Long life filter

* Specifications may be subject to change without prior notice for product improvement.

*1) Mode

- HP : Heat Pump, HR : Heat Recovery

*2) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

*5) These products contain R410A which is fluorinated greenhouse gas.

* Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Floor standing

16-2. Capacity tables

1) Cooling

TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)													
		20 (°C, DB) 14 (°C, WB)		23 (°C, DB) 16 (°C, WB)		26 (°C, DB) 18 (°C, WB)		27 (°C, DB) 19 (°C, WB)		28 (°C, DB) 20 (°C, WB)		30 (°C, DB) 22 (°C, WB)		32 (°C, DB) 24 (°C, WB)	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
036	10	2.8	2.3	3.3	2.7	3.8	2.9	4.0	2.9	4.2	2.9	4.5	3.0	4.8	3.0
	12	2.8	2.3	3.3	2.7	3.8	2.9	4.0	2.9	4.2	2.9	4.5	3.0	4.8	2.9
	14	2.8	2.3	3.3	2.7	3.8	2.9	4.0	2.9	4.2	2.9	4.5	3.0	4.8	2.9
	16	2.8	2.3	3.3	2.7	3.8	2.9	4.0	2.9	4.1	2.9	4.4	3.0	4.7	2.9
	18	2.8	2.3	3.3	2.7	3.8	2.9	4.0	2.9	4.1	2.9	4.4	3.0	4.7	2.9
	20	2.8	2.3	3.3	2.7	3.8	2.9	4.0	2.9	4.1	2.9	4.4	3.0	4.7	2.9
	21	2.8	2.3	3.3	2.7	3.8	2.9	4.0	2.9	4.1	2.9	4.4	3.0	4.7	2.9
	23	2.8	2.3	3.3	2.7	3.8	2.9	4.0	2.9	4.1	2.9	4.4	3.0	4.7	2.9
	25	2.8	2.3	3.3	2.7	3.8	2.9	4.0	2.9	4.1	2.9	4.4	3.0	4.7	2.9
	27	2.8	2.3	3.3	2.7	3.8	2.9	4.0	2.9	4.1	2.9	4.4	2.9	4.7	2.9
	29	2.8	2.3	3.3	2.7	3.8	2.9	4.0	2.9	4.1	2.9	4.4	2.9	4.7	2.9
	31	2.8	2.3	3.3	2.7	3.8	2.9	4.0	2.9	4.1	2.9	4.4	3.0	4.7	3.0
	33	2.8	2.3	3.3	2.7	3.8	2.9	4.0	2.9	4.1	2.9	4.4	3.1	4.7	3.0
	35	2.8	2.3	3.3	2.7	3.8	2.9	4.0	2.9	4.1	2.9	4.4	3.1	4.7	3.0
37	2.8	2.3	3.3	2.7	3.8	2.9	4.0	2.9	4.1	3.0	4.4	3.0	4.6	3.0	
39	2.8	2.3	3.3	2.7	3.8	2.9	4.0	3.0	4.1	2.8	4.3	3.0	4.5	3.0	
056	10	4.1	3.4	4.9	3.9	5.6	4.1	6.0	4.3	6.2	4.1	6.7	3.9	7.2	4.2
	12	4.1	3.4	4.9	3.9	5.6	4.1	6.0	4.3	6.2	4.1	6.7	3.9	7.2	4.3
	14	4.1	3.4	4.9	3.9	5.6	4.1	6.0	4.3	6.2	4.1	6.7	4.0	7.1	4.2
	16	4.1	3.4	4.9	3.9	5.6	4.1	6.0	4.3	6.2	4.1	6.7	4.0	7.1	4.3
	18	4.1	3.4	4.9	3.9	5.6	4.1	6.0	4.3	6.2	4.1	6.7	3.9	7.1	4.3
	20	4.1	3.4	4.9	3.9	5.6	4.1	6.0	4.3	6.2	4.1	6.6	3.9	7.1	4.3
	21	4.1	3.4	4.9	3.9	5.6	4.1	6.0	4.3	6.2	4.1	6.6	3.9	7.1	4.3
	23	4.1	3.4	4.9	3.9	5.6	4.1	6.0	4.3	6.2	4.1	6.6	4.0	7.1	4.4
	25	4.1	3.4	4.9	3.9	5.6	4.1	6.0	4.3	6.2	4.1	6.6	4.1	7.1	4.3
	27	4.1	3.4	4.9	3.9	5.6	4.1	6.0	4.3	6.2	4.1	6.6	4.0	7.1	4.3
	29	4.1	3.4	4.9	3.9	5.6	4.1	6.0	4.3	6.2	4.1	6.6	4.1	7.1	4.3
	31	4.1	3.4	4.9	3.9	5.6	4.1	6.0	4.3	6.2	4.1	6.6	4.0	7.1	4.4
	33	4.1	3.4	4.9	3.9	5.6	4.1	6.0	4.3	6.2	4.1	6.6	4.1	7.1	4.3
	35	4.1	3.4	4.9	3.9	5.6	4.1	6.0	4.3	6.2	4.2	6.6	4.2	7.1	4.4
37	4.1	3.4	4.9	3.9	5.6	4.1	6.0	4.3	6.2	4.3	6.6	4.1	7.0	4.4	
39	4.1	3.4	4.9	3.9	5.6	4.1	6.0	4.3	6.2	4.2	6.5	4.0	6.8	4.3	
071	10	5.0	4.0	5.9	4.5	6.8	4.6	7.2	5.0	7.5	4.4	8.1	4.6	8.6	5.1
	12	5.0	4.0	5.9	4.5	6.8	4.6	7.2	5.0	7.5	4.4	8.0	4.7	8.6	4.8
	14	5.0	4.0	5.9	4.5	6.8	4.6	7.2	5.0	7.5	4.4	8.0	4.7	8.6	5.0
	16	5.0	4.0	5.9	4.5	6.8	4.6	7.2	5.0	7.5	4.4	8.0	4.7	8.5	4.8
	18	5.0	4.0	5.9	4.5	6.8	4.6	7.2	5.0	7.5	4.5	8.0	4.7	8.5	4.7
	20	5.0	4.0	5.9	4.5	6.8	4.6	7.2	5.0	7.5	4.5	8.0	4.4	8.5	4.5
	21	5.0	4.0	5.9	4.5	6.8	4.6	7.2	5.0	7.5	4.5	8.0	4.4	8.5	4.5
	23	5.0	4.0	5.9	4.5	6.8	4.6	7.2	5.0	7.5	4.5	8.0	4.6	8.5	4.7
	25	5.0	4.0	5.9	4.5	6.8	4.6	7.2	5.0	7.5	4.5	8.0	4.6	8.5	4.6
	27	5.0	4.0	5.9	4.5	6.8	4.6	7.2	5.0	7.5	4.5	8.0	4.6	8.5	4.9
	29	5.0	4.0	5.9	4.5	6.8	4.6	7.2	5.0	7.5	4.5	8.0	4.5	8.5	4.6
	31	5.0	4.0	5.9	4.5	6.8	4.6	7.2	5.0	7.5	4.5	8.0	4.5	8.5	4.8
	33	5.0	4.0	5.9	4.5	6.8	4.6	7.2	5.0	7.5	4.5	8.0	4.6	8.5	4.6
	35	5.0	4.0	5.9	4.5	6.8	4.6	7.2	5.0	7.5	4.4	8.0	4.7	8.5	5.2
37	5.0	4.0	5.9	4.5	6.8	4.6	7.2	5.0	7.4	4.5	7.9	4.6	8.4	4.9	
39	5.0	4.0	5.9	4.5	6.8	4.6	7.2	5.0	7.4	4.5	7.8	4.6	8.2	4.7	

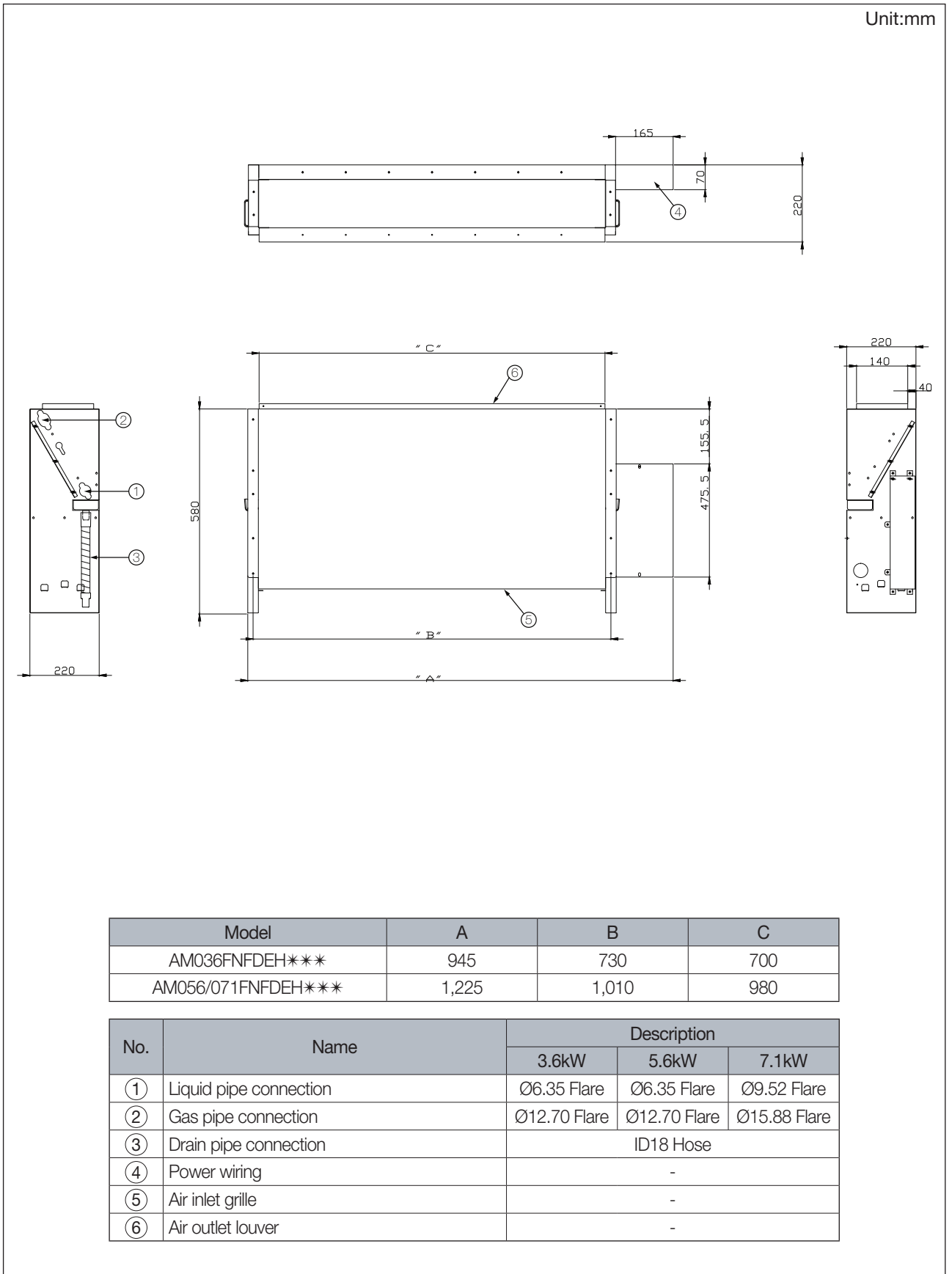
16-2. Capacity tables

2) Heating

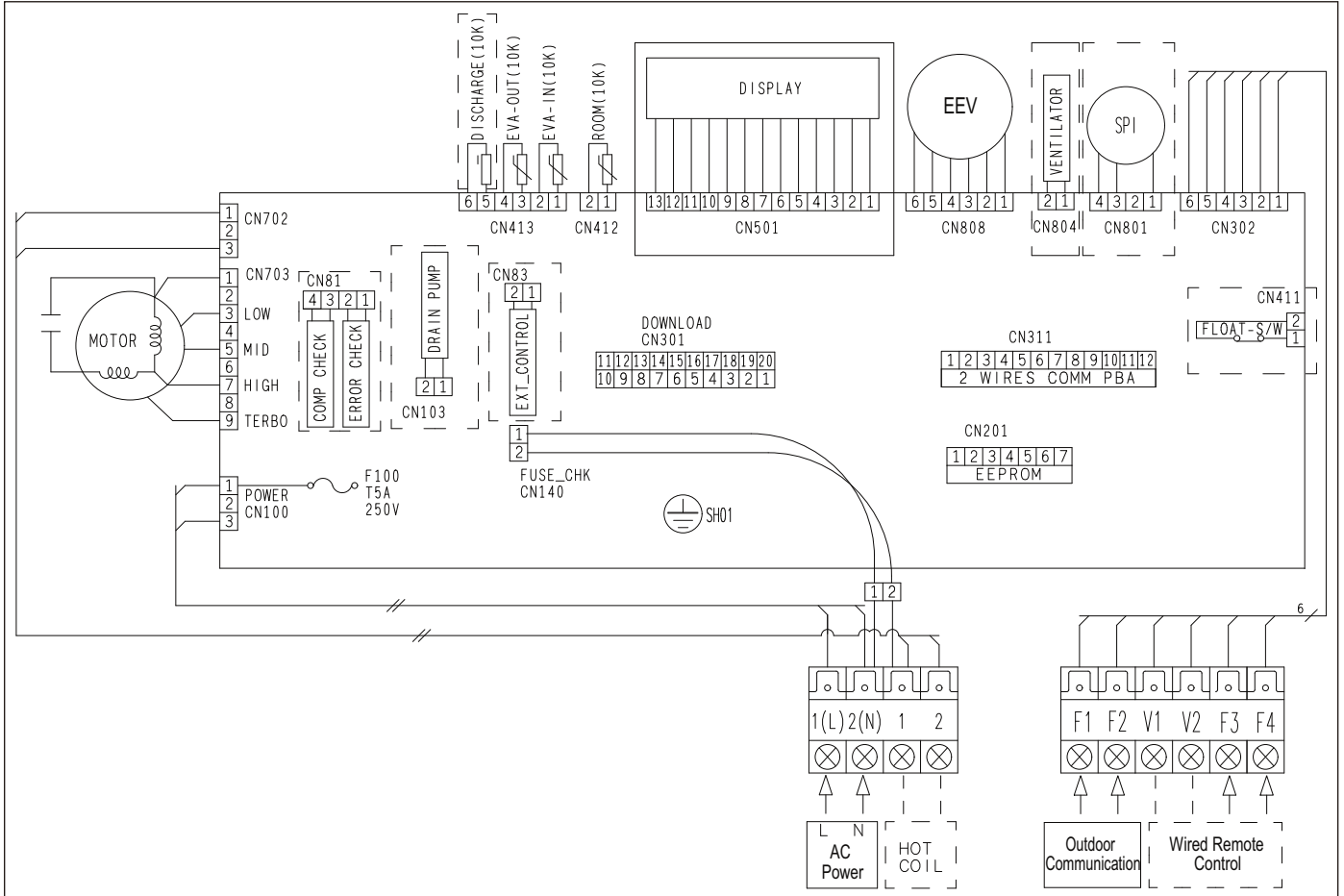
TC : Total Capacity(kW)

Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC	TC	TC	TC	TC
036	-15	-16	3.2	3.2	3.1	3.0	2.9
	-12	-13	3.4	3.3	3.3	3.2	3.1
	-10	-11	3.6	3.5	3.5	3.4	3.4
	-7	-8	3.8	3.7	3.6	3.6	3.4
	-5	-6	3.9	3.9	3.8	3.8	3.4
	-3	-4	4.1	4.1	3.9	3.8	3.5
	0	-1	4.3	4.2	4.1	3.8	3.6
	3	2.2	4.5	4.4	4.1	4.0	3.8
	5	4.1	4.7	4.4	4.3	4.1	3.8
	7	6	4.7	4.6	4.5	4.2	3.8
	9	7.9	4.8	4.6	4.5	4.2	3.8
	11	9.8	4.9	4.7	4.5	4.2	3.8
	13	12	5.1	4.8	4.5	4.2	3.8
	15	14	5.2	4.9	4.5	4.2	3.8
	056	-15	-16	4.9	4.8	4.6	4.5
-12		-13	5.1	5.0	4.9	4.8	4.7
-10		-11	5.4	5.3	5.2	5.1	5.1
-7		-8	5.7	5.6	5.5	5.4	5.2
-5		-6	6.0	5.9	5.7	5.7	5.2
-3		-4	6.3	6.1	5.9	5.7	5.3
0		-1	6.6	6.4	6.2	5.7	5.4
3		2.2	6.9	6.7	6.2	6.0	5.7
5		4.1	7.2	6.7	6.5	6.1	5.7
7		6	7.2	6.9	6.8	6.3	5.7
9		7.9	7.2	7.0	6.8	6.3	5.7
11		9.8	7.4	7.1	6.8	6.3	5.7
13		12	7.6	7.2	6.8	6.3	5.7
15		14	7.9	7.3	6.8	6.3	5.7
071		-15	-16	5.8	5.7	5.5	5.4
	-12	-13	6.1	6.0	5.5	5.4	5.2
	-10	-11	6.4	6.3	6.2	6.1	6.1
	-7	-8	6.8	6.7	6.5	6.4	6.2
	-5	-6	7.1	7.0	6.8	6.8	6.2
	-3	-4	7.5	7.3	7.1	6.8	6.3
	0	-1	7.8	7.6	7.4	6.8	6.5
	3	2.2	8.2	7.9	7.4	7.1	6.8
	5	4.1	8.5	7.9	7.8	7.3	6.8
	7	6	8.5	8.2	8.1	7.5	6.8
	9	7.9	8.6	8.3	8.1	7.5	6.8
	11	9.8	8.8	8.5	8.1	7.5	6.8
	13	12	9.1	8.6	8.1	7.5	6.8
	15	14	9.4	8.7	8.1	7.5	6.8

16-3. Dimensional drawing



16-4. Electrical wiring

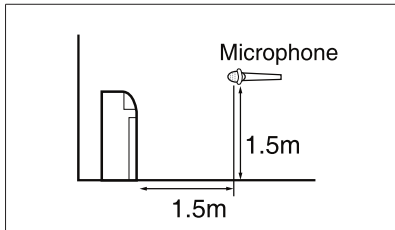


NOTE

1. This wiring diagram applies only to the indoor unit.
2. Symbols show as follow;
 BLK : black, RED : red, BLU : blue, WHT:white, YEL : yellow, BRN : brown, SKY : sky-blue, GRN : green
3. For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remotecontroller transmission F3-F4.
4. : Protective earth(screw), : Connector, n : The wire quantity

Floor standing

16-5. Sound pressure level



Unit: dB(A)

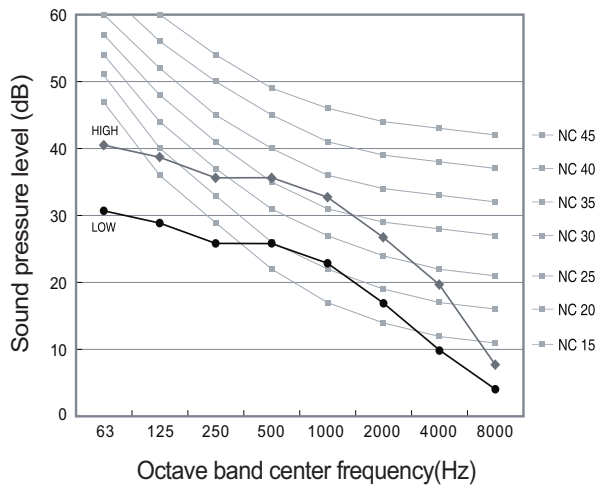
Model	High	Low
AM036FNFDEH/TK	37	27
AM056FNFDEH/TK	40	32
AM071FNFDEH/TK	40	32

Note

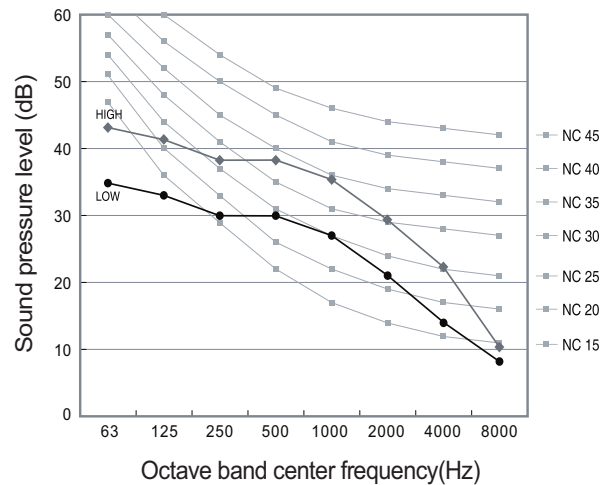
Specifications may be subject to change without prior notice.
 Sound pressure level is obtained in an anechoic room.
 Sound pressure level is a relative value, depending on the distance and acoustic environment.
 Sound pressure level may differ depending on operation condition.
 dBA = A-weighted sound pressure level
 Reference acoustic pressure 0 dB= 20 uPa

NC curve

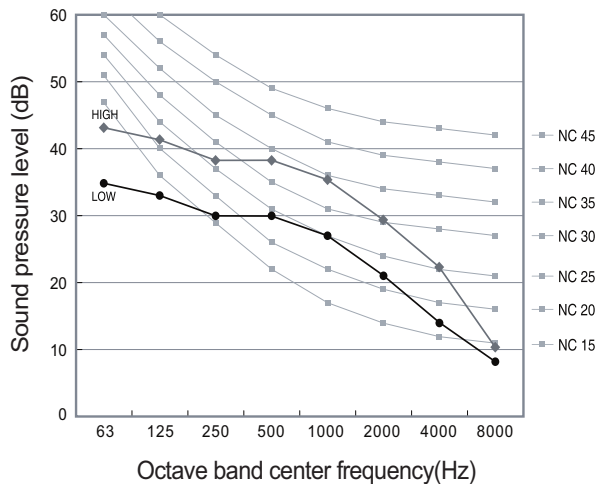
1) AM036FNFDEH/TK



2) AM056FNFDEH/TK



2) AM071FNFDEH/TK



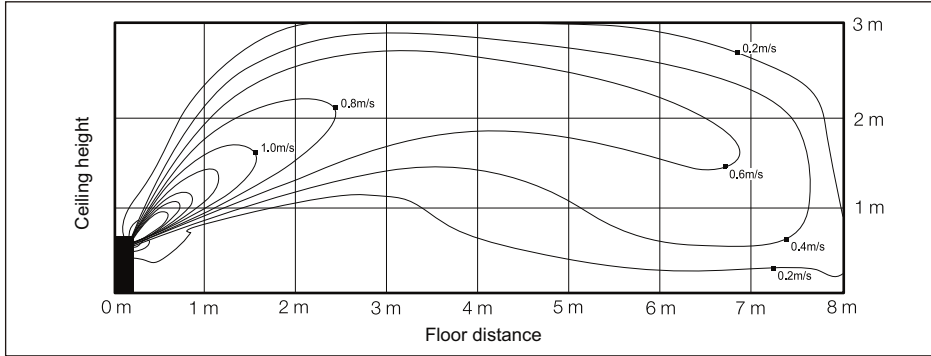
Floor standing

16-6. Temperature and air flow distribution

AM036FNFDEH/TK

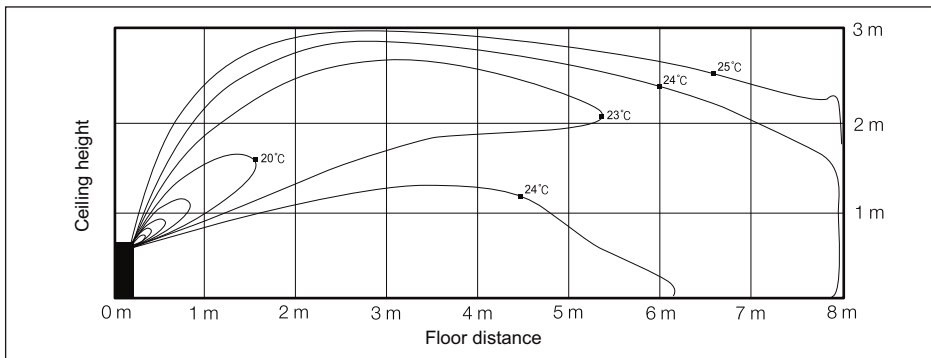
(1) Cooling air velocity distribution

Discharge angle : 36°



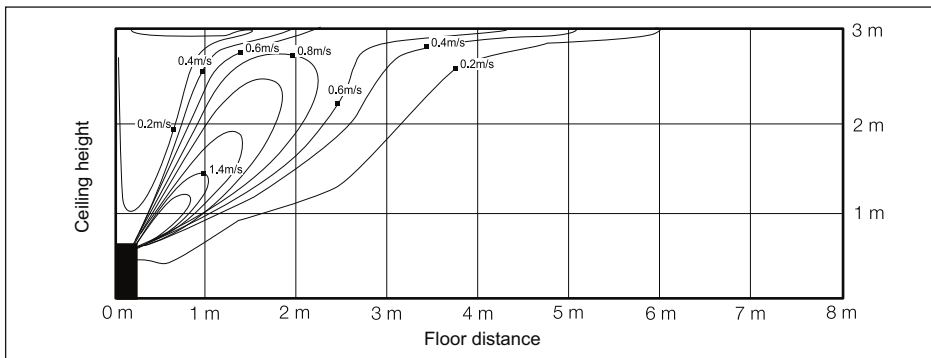
(2) Cooling temperature distribution

Discharge angle : 36°



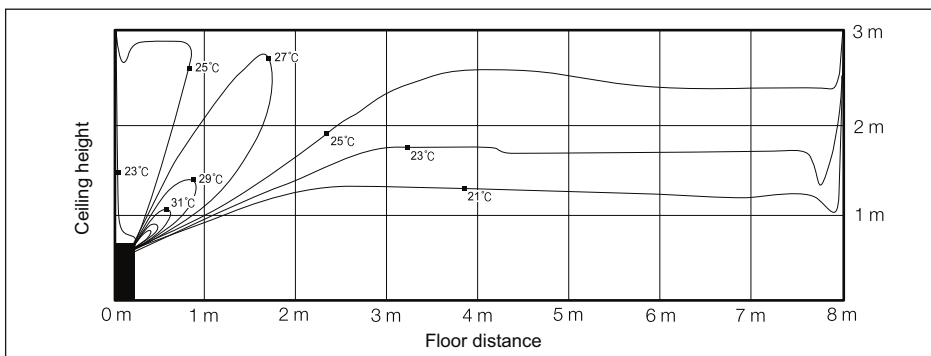
(3) Heating air velocity distribution

Discharge angle : 54°



(4) Heating temperature distribution

Discharge angle : 54°



17 Neo Forte & Neo-Forte E

17-1. Specifications

17-2. Capacity tables

17-3. Dimensional drawing

17-4. Electrical wiring diagram

17-5. Sound pressure level

17-6. Temperature and air flow distribution

17 Neo Forte & Neo-Forte E

17-1. Specifications

Model			AM022FNTDEH***	AM028FNTDEH***	AM036FNTDEH***	AM056FNTDEH***	AM071FNTDEH***	
Power Supply		Ø, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	
Mode* ¹⁾			HP	HP	HP	HP	HP	
Performance	Capacity (Nominal)	Cooling* ²⁾	kW	2.2	2.8	3.6	5.6	6.8
			Btu/h	7,500	9,600	12,300	19,100	23,200
	Heating* ³⁾		kW	2.5	3.2	4.0	6.3	7.0
			Btu/h	8,500	10,900	13,600	21,500	23,900
Power	Power Input (Nominal)	Cooling* ²⁾	W	25	25	30	45	50
		Heating* ³⁾		25	25	30	45	50
	Current Input (Nominal)	Cooling* ²⁾	A	0.16	0.16	0.18	0.27	0.30
		Heating* ³⁾		0.16	0.16	0.18	0.27	0.30
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
		Output	W	23	23	23	40	40
		Number of unit	EA	1	1	1	1	1
	Air Flow Rate	H/M/L (UL)	CMM	7.80/6.80/5.80	7.80/6.80/5.80	9.30/8.30/7.30	12.00/10.50/9.00	14.00/12.50/11.00
			l/s	130.00/113.33/96.67	130.00/113.33/96.67	155.00/138.33/121.67	200.00/175.00/150.00	233.33/208.33/183.33
	External Pressure	Min / Std / Max	mmAq	-	-	-	-	-
Pa			-	-	-	-	-	
WG			-	-	-	-	-	
Option Code			010044-1170FA-201616-330000	010044-1170FA-201C1C-330000	010044-11744D-202424-330000	010044-11646F-203838-330020	010044-11648F-204747-330020	
Piping Connections	Liquid Pipe	Ø, mm	6.35	6.35	6.35	6.35	9.52	
		Ø, inch	1/4	1/4	1/4	1/4	3/8	
	Gas Pipe	Ø, mm	12.70	12.70	12.70	12.70	15.88	
		Ø, inch	1/2	1/2	1/2	1/2	5/8	
Drain Pipe	Ø, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE		
Field Wiring	Power Source Wire	Below 20m / over 20m	mm ²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5
	Transmission Cable		mm ²	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A
	Control Method		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	High / Mid / Low* ⁴⁾	dBA	30 / 28 / 26	30 / 28 / 26	36 / 32 / 28	43 / 40 / 37	44 / 41 / 37
Dimensions	Net Weight		kg	8	8	8	13	13
	Shipping Weight		kg	11	11	11	16	16
	Net Dimensions (W×H×D)		mm	825 x 285 x 189	825 x 285 x 189	825 x 285 x 189	1,065 x 298 x 218	1,065 x 298 x 218
	Shipping Dimensions (W×H×D)		mm	904 x 353 x 263	904 x 353 x 263	904 x 353 x 263	1,137 x 377 x 299	1,137 x 377 x 299
Panel Size	Panel model			-	-	-	-	-
	Panel Net Weight		kg	-	-	-	-	-
	Shipping Weight		kg	-	-	-	-	-
	Net Dimensions (W×H×D)		mm	-	-	-	-	-
	Shipping Dimensions (W×H×D)		mm	-	-	-	-	-
Additional Accessories	Drain pump	Drain pump	- / Model	-	-	-	-	-
		Max. lifting Height / Displacement	mm/liter/h	-	-	-	-	-
	Air Filter			-	Long life filter	Long life filter	Long life filter	Long life filter

* Neo-Forte E apply for new MCU kit (MCU-Y4NEE/MCU-Y6NEE)

* Specifications may be subject to change without prior notice for product improvement.

*1) Mode

- HP : Heat Pump

*2) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

17-1. Specifications

Model			AM022FNQDEH***	AM028FNQDEH***	AM036FNQDEH***	AM056FNQDEH***	AM071FNQDEH***	
Power Supply		Ø, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	
Mode* ¹⁾			-	HP	HP	HP	HP	
Performance	Capacity (Nominal)	Cooling* ²⁾	kW	2.2	2.8	3.6	5.6	6.8
			Btu/h	7,500	9,600	12,300	19,100	23,200
		Heating* ³⁾	kW	2.5	3.2	4.0	6.3	7.0
			Btu/h	8,500	10,900	13,600	21,500	23,900
Power	Power Input (Nominal)	Cooling* ²⁾	W	25	25	30	45	50
			Heating* ³⁾	25	25	30	45	50
	Current Input (Nominal)	Cooling* ²⁾	A	0.16	0.16	0.18	0.27	0.30
			Heating* ³⁾	0.16	0.16	0.18	0.27	0.30
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
		Output	W	23	23	23	40	40
		Number of unit	EA	1	1	1	1	1
	Air Flow Rate	H/M/L (UL)	CMM	7.80/6.80/5.80	7.80/6.80/5.80	9.30/8.30/7.30	13.00/10.50/9.00	14.00/12.50/11.00
			l/s	130.00/113.33/96.67	130.00/113.33/96.67	155.00/138.33/121.67	216.67/175.00/150.00	233.33/208.33/183.33
	External Pressure	Min / Std / Max	mmAq	-	-	-	-	-
			Pa	-	-	-	-	-
WG			-	-	-	-	-	
Option Code			-	010044-1170FA-201616-310000	010044-1170FA-201C1C-310000	010044-11744D-202424-310000	010044-11646F-203838-310020	010044-11648F-204747-310020
Piping Connections	Liquid Pipe	Ø, mm	6.35	6.35	6.35	6.35	9.52	
		Ø, inch	1/4	1/4	1/4	1/4	3/8	
	Gas Pipe	Ø, mm	12.70	12.70	12.70	12.70	15.88	
		Ø, inch	1/2	1/2	1/2	1/2	5/8	
Drain Pipe		Ø, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	
Field Wiring	Power Source Wire	Below 20m / over 20m	mm ²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5
	Transmission Cable		mm ²	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5
Refrigerant			Type	-	R410A	R410A	R410A	R410A
Control Method			-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low* ⁴⁾	dBA	31 / 29 / 27	31 / 29 / 27	37 / 33 / 29	44 / 41 / 38	45 / 42 / 38
			Net Weight	kg	8.3	8.3	8.3	13.5
Dimensions	Shipping Weight		kg	11.3	11.3	11.3	16.5	16.5
	Net Dimensions (W×H×D)		mm	825 x 285 x 189	825 x 285 x 189	825 x 285 x 189	1,065 x 298 x 218	1,065 x 298 x 218
	Shipping Dimensions (W×H×D)		mm	904 x 353 x 263	904 x 353 x 263	904 x 353 x 263	1,137 x 377 x 299	1,137 x 377 x 299
	Panel model		-	-	-	-	-	-
Panel Size	Panel Net Weight		kg	-	-	-	-	-
	Shipping Weight		kg	-	-	-	-	-
	Net Dimensions (W×H×D)		mm	-	-	-	-	-
	Shipping Dimensions (W×H×D)		mm	-	-	-	-	-
	Additional Accessories	Drain pump	Drain pump	- / Model	-	-	-	-
Max. lifting Height / Displacement			mm/liter/h	-	-	-	-	-
Air Filter		-	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	

* Neo-Forte E apply for new MCU kit (MCU-Y4NEE/MCU-Y6NEE)

* Specifications may be subject to change without prior notice for product improvement.

*1) Mode

- HP : Heat Pump

*2) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

17 Neo Forte & Neo-Forte E

17-1. Specifications

Model				AM045FNQDEH***	
Power Supply			Ø, #, V, Hz	1,2,220-240,50	
Mode				HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	4.50	
			Btu/h	15,400	
		Heating	kW	5.00	
			Btu/h	17,100	
Power	Power Input (Nominal)	Cooling	W	40.00	
		Heating		40.00	
	Current Input (Nominal)	Cooling	A	0.24	
		Heating		0.24	
Fan	Motor	Type	-	Crossflow Fan	
		Output x n	w	40 x 1	
	Air Flow Rate	H/M/L (UL)	CMM	11.70 / 10.20 / 8.70	
			I/s	195.00 / 170.00 / 145.00	
	External Pressure	Min/Std/Max	mmAq	-	
Pa			-		
Piping Connections	Liquid Pipe	Ø, mm	6.35		
		Ø, inch	1/4"		
	Gas Pipe	Ø, mm	12.70		
		Ø, inch	1/2"		
Drain Pipe	Ø, mm	ID18 HOSE			
Field Wiring	Power Source Wire	mm ²	1.5 - 2.5		
	Transmission Cable	mm ²	0.75 - 1.50		
Refrigerant	Type	-	R410A		
	Control Method	-	EEV INCLUDED		
Sound	Pressure	High / Mid / Low	dB(A)	39 / 37 / 34	
	Power	Cooling		55	
Dimension	Net Weight		kg	13.5	
	Shipping Weight		kg	16.5	
	Net Dimensions (WxHxD)		mm	1,065 x 298 x 218	
	Shipping Dimensions (WxHxD)		mm	1,137 x 377 x 299	
Additional Accessories	Drain Pump	Drain Pump	- / Model	-	
		Max. lifting Height / Displacement	mm/liter/h	-	
	Air Filter	-	-	-	

* Neo-Forte E apply for new MCU kit (MCU-Y4NEE/MCU-Y6NEE)

* Specifications may be subject to change without prior notice for product improvement.

*1) Mode

- HP : Heat Pump

*2) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

17 Neo Forte & Neo-Forte E

17-2. Capacity tables

1) Cooling

TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)													
		20 (°C, DB)		23 (°C, DB)		26 (°C, DB)		27 (°C, DB)		28 (°C, DB)		30 (°C, DB)		32 (°C, DB)	
		14 (°C, WB)		16 (°C, WB)		18 (°C, WB)		19 (°C, WB)		20 (°C, WB)		22 (°C, WB)		24 (°C, WB)	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
022	10	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.5	1.6	2.6	1.4
	12	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.5	1.6	2.6	1.4
	14	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.5	1.6	2.6	1.4
	16	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	18	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	20	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	21	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	23	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	25	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	27	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	29	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	31	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	33	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	35	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	37	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	39	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.5	1.3
	42	1.5	1.3	1.8	1.5	2.1	1.5	2.1	1.4	2.2	1.4	2.3	1.4	2.4	1.2
44	1.5	1.3	1.8	1.5	2.0	1.4	2.1	1.4	2.1	1.3	2.2	1.3	2.2	1.1	
46	1.5	1.3	1.8	1.5	1.8	1.2	1.9	1.2	2.0	1.2	2.1	1.19	2.07	0.99	
028	10	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.4	1.9
	12	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	14	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	16	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	18	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	20	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	21	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	23	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	25	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	27	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	29	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	31	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	33	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	35	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	37	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	39	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	42	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.0	1.8	3.2	1.7
44	1.9	1.6	2.3	1.8	2.5	1.9	2.7	1.8	2.8	1.8	2.9	1.7	3.0	1.6	
46	1.9	1.6	2.3	1.8	2.5	1.9	2.7	1.8	2.7	1.7	2.7	1.6	2.8	1.5	
036	10	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.3	2.3
	12	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.3	2.3
	14	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.3	2.3
	16	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.3	2.3
	18	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.3	2.3
	20	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.2	2.3
	21	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.2	2.3
	23	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.2	2.3
	25	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.2	2.3
	27	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.2	2.3
	29	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.2	2.3
	31	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.2	2.3
	33	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.2	2.3
	35	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.2	2.3
	37	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	3.9	2.3	4.2	2.3
	39	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	3.9	2.3	4.1	2.2
	42	2.5	2.1	2.9	2.2	3.4	2.3	3.5	2.3	3.6	2.3	3.7	2.2	3.9	2.1
44	2.5	2.1	2.9	2.2	3.2	2.2	3.4	2.2	3.5	2.2	3.5	2.2	3.6	1.9	
46	2.5	2.1	2.9	2.1	2.9	2.0	3.1	1.9	3.3	2.0	3.3	1.93	3.38	1.72	
056	10	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.3	3.9	6.7	3.6
	12	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.3	3.9	6.7	3.6
	14	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.7	3.6
	16	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.5
	18	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.5
	20	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.5
	21	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.5
	23	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.5
	25	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.5
	27	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.5
	29	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.5
	31	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.5
	33	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.5
	35	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.5
	37	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.1	3.7	6.5	3.4
	39	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.1	3.7	6.4	3.3
	42	3.9	3.0	4.6	3.4	5.3	3.7	5.4	3.7	5.6	3.7	5.8	3.6	6.0	3.2
44	3.9	3.0	4.6	3.4	5.0	3.6	5.3	3.6	5.4	3.6	5.5	3.5	5.6	3.0	
46	3.9	2.9	4.6	3.3	4.7	3.3	5.0	3.3	5.1	3.3	5.2	3.22	5.26	2.71	
071	10	4.7	3.7	5.5	4.1	6.4	4.5	6.8	4.6	7.1	4.6	7.6	4.6	8.2	4.4
	12	4.7	3.7	5.5	4.1	6.4	4.5	6.8	4.6	7.1	4.6	7.6	4.6	8.1	4.3
	14	4.7	3.7	5.5	4.1	6.4	4.5	6.8	4.6	7.1	4.6	7.6	4.6	8.1	4.3
	16	4.7	3.7	5.5	4.1	6.4	4.5	6.8	4.6	7.1	4.6	7.6	4.6	8.1	4.3
	18	4.7	3.7	5.5	4.1	6.4	4.5	6.8	4.6	7.0	4.6	7.5	4.5	8.0	4.2
	20	4.7	3.7	5.5	4.1	6.4	4.5	6.8	4.6	7.0	4.6	7.5	4.5	8.0	4.2
	21	4.7	3.7	5.5	4.1	6.4	4.5	6.8	4.6	7.0	4.6	7.5	4.5	8.0	4.2
	23	4.7	3.7	5.5	4.1	6.4	4.5	6.8	4.6	7.0	4.6	7.5	4.5	8.0	4.2
	25	4.7	3.7	5.5	4.1	6.4	4.5	6.8	4.6	7.0	4.6	7.5	4.5	8.0	4.2
	27	4.7	3.7	5.5	4.1	6.4	4.5	6.8	4.6	7.0	4.6	7.5	4.5	8.0	4.2
	29	4.7	3.7	5.5	4.1	6.4	4.5	6.8	4.6	7.0	4.6	7.5	4.5	8.0	4.2
	31	4.7	3.7	5.5	4.1	6.4	4.5	6.8	4.6	7.0	4.6	7.5	4.5	8.0	4.2
	33	4.7	3.7	5.5	4.1	6.4	4.5	6.8	4.6	7.0	4.6	7.5	4.5	8.0	4.2
	35	4.7	3.7	5.5	4.1	6.4	4.5	6.8	4.6	7.0	4.6	7.5	4.5	8.0	4.2
	37	4.7	3.7	5.5	4.1	6.4	4.5	6.8	4.6	7.0	4.6	7.5	4.5	7.9	4.1
	39	4.7	3.7	5.5	4.1	6.4	4.5	6.8	4.6	7.0	4.6	7.4	4.4	7.7	4.0
	42	4.7	3.7	5.5	4.1	6.4	4.5	6.6	4.5	6.7	4.4	7.0	4.2	7.3	3.8
44	4.7	3.7	5.5	4.1	6.1	4.4	6.5	4.4	6.5	4.3	6.7	4.1	6.8	3.6	
46															

17 Neo Forte & Neo-Forte E

17-2. Capacity tables

1) Cooling

TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
045	10	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	5.06	3.13	5.38	2.89
	12	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
	14	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
	16	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
	18	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
	20	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
	21	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
	23	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
	25	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
	27	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
	29	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
	31	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
	33	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
	35	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
	37	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.90	2.97	5.22	2.73
39	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.90	2.97	5.14	2.65	

17 Neo Forte & Neo-Forte E

17-2. Capacity tables

2) Heating

TC : Total Capacity(kW)

Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC kW	TC kW	TC kW	TC kW	TC kW
022	-20	-21	1.5	1.5	1.5	1.5	1.5
	-17	-18	1.6	1.6	1.6	1.6	1.6
	-15	-16	1.7	1.7	1.7	1.7	1.7
	-12	-13	1.8	1.8	1.8	1.8	1.7
	-10	-11	2.0	2.0	1.9	1.9	1.9
	-7	-8	2.3	2.2	2.2	2.0	2.0
	-5	-6	2.4	2.3	2.3	2.2	2.2
	-3	-4	2.5	2.5	2.4	2.3	2.2
	0	-1	2.6	2.5	2.5	2.3	2.2
	3	2.2	2.7	2.6	2.5	2.3	2.2
	5	4.1	2.8	2.7	2.5	2.3	2.2
	7	6	2.8	2.7	2.5	2.3	2.2
	9	7.9	3.0	2.7	2.5	2.3	2.2
	11	9.8	3.0	2.7	2.5	2.3	2.2
	13	12	3.0	2.7	2.5	2.3	2.2
15	14	3.0	2.7	2.5	2.3	2.2	
028	-20	-21	1.9	1.9	1.9	1.9	1.9
	-17	-18	2.0	2.0	2.0	2.0	1.9
	-15	-16	2.1	2.1	2.0	2.0	1.9
	-12	-13	2.2	2.2	2.2	2.1	2.1
	-10	-11	2.3	2.3	2.3	2.3	2.2
	-7	-8	2.5	2.4	2.4	2.4	2.3
	-5	-6	2.6	2.6	2.5	2.5	2.4
	-3	-4	2.8	2.7	2.7	2.6	2.5
	0	-1	2.9	2.8	2.8	2.7	2.6
	3	2.2	3.0	3.0	2.9	2.8	2.7
	5	4.1	3.2	3.1	3.1	2.9	2.7
	7	6	3.3	3.2	3.2	3.0	2.7
	9	7.9	3.4	3.3	3.2	3.0	2.7
	11	9.8	3.5	3.3	3.2	3.0	2.7
	13	12	3.6	3.4	3.2	3.0	2.7
15	14	3.7	3.4	3.2	3.0	2.7	
036	-20	-21	2.4	2.4	2.3	2.3	2.3
	-17	-18	2.6	2.5	2.4	2.4	2.3
	-15	-16	2.7	2.6	2.5	2.5	2.4
	-12	-13	2.8	2.7	2.7	2.6	2.6
	-10	-11	2.9	2.9	2.9	2.8	2.8
	-7	-8	3.1	3.1	3.0	3.0	2.9
	-5	-6	3.3	3.2	3.2	3.1	3.0
	-3	-4	3.4	3.4	3.3	3.2	3.1
	0	-1	3.6	3.6	3.5	3.4	3.2
	3	2.2	3.8	3.7	3.7	3.5	3.4
	5	4.1	3.9	3.9	3.8	3.6	3.4
	7	6	4.1	4.1	4.0	3.7	3.4
	9	7.9	4.2	4.1	4.0	3.7	3.4
	11	9.8	4.4	4.2	4.0	3.7	3.4
	13	12	4.5	4.2	4.0	3.7	3.4
15	14	4.6	4.3	4.0	3.7	3.4	
056	-20	-21	3.9	3.8	3.8	3.7	3.7
	-17	-18	4.0	4.0	3.9	3.8	3.8
	-15	-16	4.2	4.1	4.0	3.9	3.8
	-12	-13	4.4	4.3	4.2	4.2	4.1
	-10	-11	4.6	4.6	4.5	4.4	4.4
	-7	-8	4.9	4.8	4.8	4.7	4.5
	-5	-6	5.2	5.1	5.0	4.9	4.7
	-3	-4	5.4	5.3	5.3	5.1	4.9
	0	-1	5.7	5.6	5.5	5.3	5.0
	3	2.2	5.9	5.9	5.8	5.6	5.3
	5	4.1	6.2	6.1	6.0	5.7	5.3
	7	6	6.5	6.4	6.3	5.8	5.3
	9	7.9	6.7	6.5	6.3	5.8	5.3
	11	9.8	6.9	6.6	6.3	5.8	5.3
	13	12	7.1	6.7	6.3	5.8	5.3
15	14	7.3	6.8	6.3	5.8	5.3	
071	-20	-21	4.4	4.3	4.2	4.2	4.2
	-17	-18	4.5	4.4	4.3	4.3	4.2
	-15	-16	4.7	4.6	4.4	4.3	4.2
	-12	-13	4.9	4.8	4.7	4.6	4.5
	-10	-11	5.1	5.1	5.0	4.9	4.9
	-7	-8	5.4	5.4	5.3	5.2	5.1
	-5	-6	5.7	5.6	5.6	5.4	5.2
	-3	-4	6.0	5.9	5.9	5.6	5.4
	0	-1	6.3	6.2	6.1	5.9	5.6
	3	2.2	6.6	6.5	6.4	6.2	5.9
	5	4.1	6.9	6.8	6.7	6.3	5.9
	7	6	7.2	7.1	7.0	6.5	5.9
	9	7.9	7.4	7.2	7.0	6.5	5.9
	11	9.8	7.6	7.3	7.0	6.5	5.9
	13	12	7.9	7.4	7.0	6.5	5.9
15	14	8.1	7.5	7.0	6.5	5.9	

17 Neo Forte & Neo-Forte E

17-2. Capacity tables

2) Heating

TC : Total Capacity(kW)

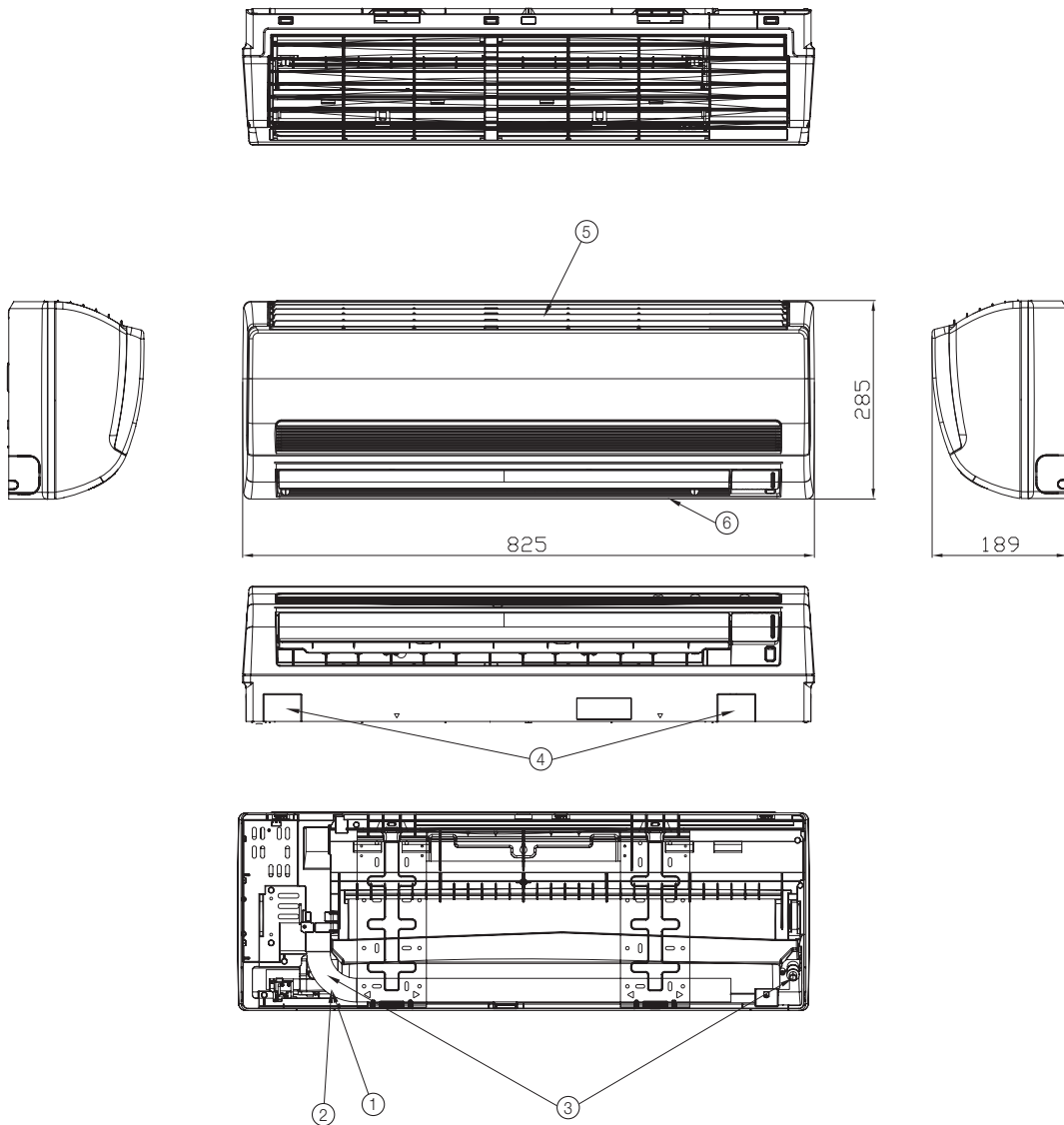
Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC kW	TC kW	TC kW	TC kW	TC kW
045	-20	-21	3.10	3.02	3.02	2.94	2.94
	-17	-18	3.17	3.17	3.10	3.02	3.02
	-15	-16	3.33	3.25	3.17	3.10	3.02
	-12	-13	3.49	3.41	3.33	3.33	3.25
	-10	-11	3.65	3.65	3.57	3.49	3.49
	-7	-8	3.89	3.81	3.81	3.73	3.57
	-5	-6	4.13	4.05	3.97	3.89	3.73
	-3	-4	4.29	4.21	4.21	4.05	3.89
	0	-1	4.52	4.44	4.37	4.21	3.97
	3	2	4.68	4.68	4.60	4.44	4.21
	5	4	4.92	4.84	4.76	4.52	4.21
	7	6	5.16	5.08	5.00	4.60	4.21
	9	8	5.32	5.16	5.00	4.60	4.21
	11	10	5.48	5.24	5.00	4.60	4.21
	13	12	5.63	5.32	5.00	4.60	4.21
	15	14	5.79	5.40	5.00	4.60	4.21

17 Neo Forte & Neo-Forte E

17-3. Dimensional drawing

1) AM022/028/036FN*DEH***

Unit:mm



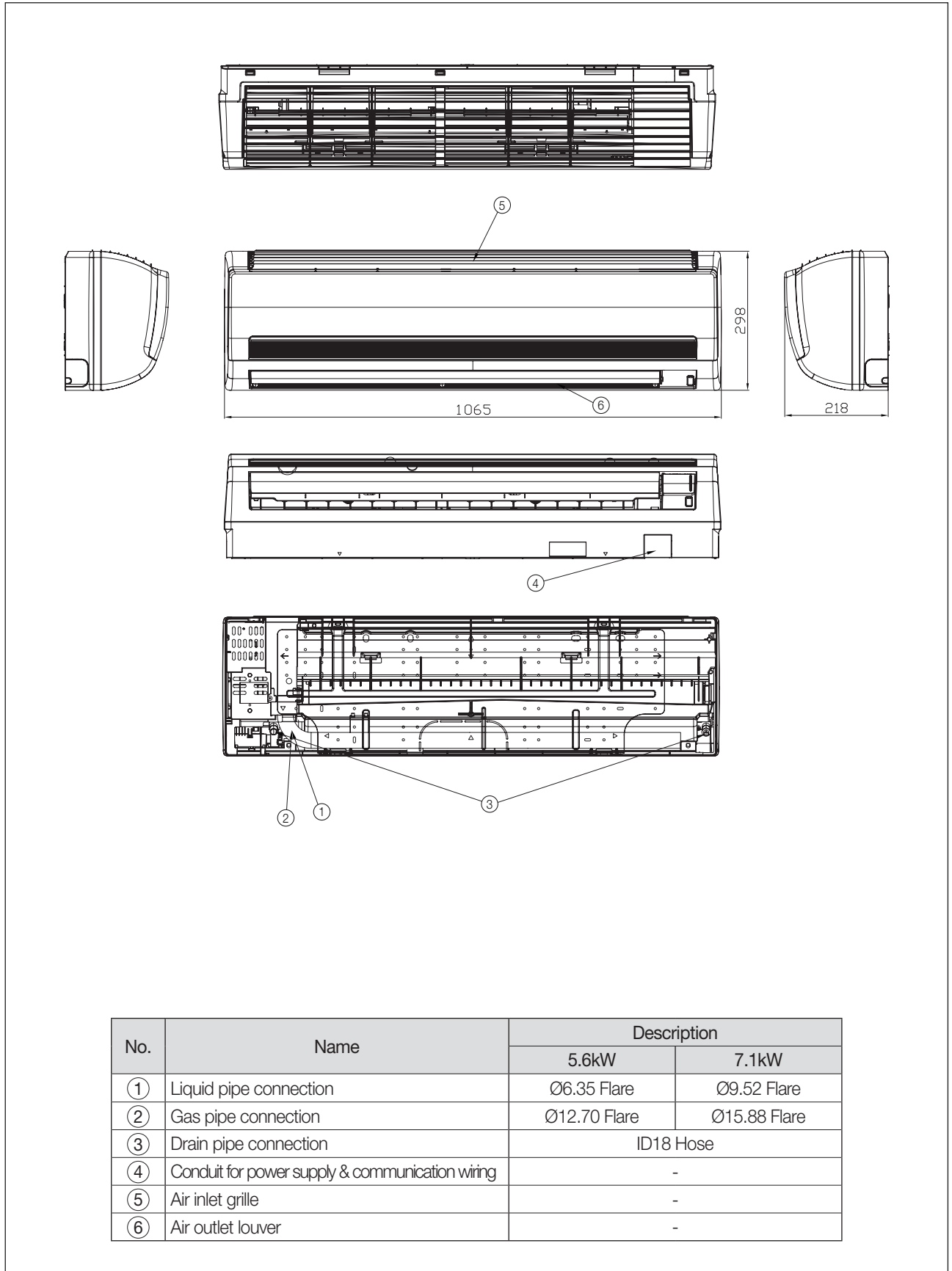
No.	Name	Description		
		2.2kW	2.8kW	3.6kW
①	Liquid pipe connection	Ø6.35 Flare		
②	Gas pipe connection	Ø12.70 Flare		
③	Drain pipe connection	ID18 Hose		
④	Conduit for power supply & communication wiring	-		
⑤	Air inlet grille	-		
⑥	Air outlet louver	-		

17 Neo Forte & Neo-Forte E

17-3. Dimensional drawing

2) AM045/056/071FN*DEH***

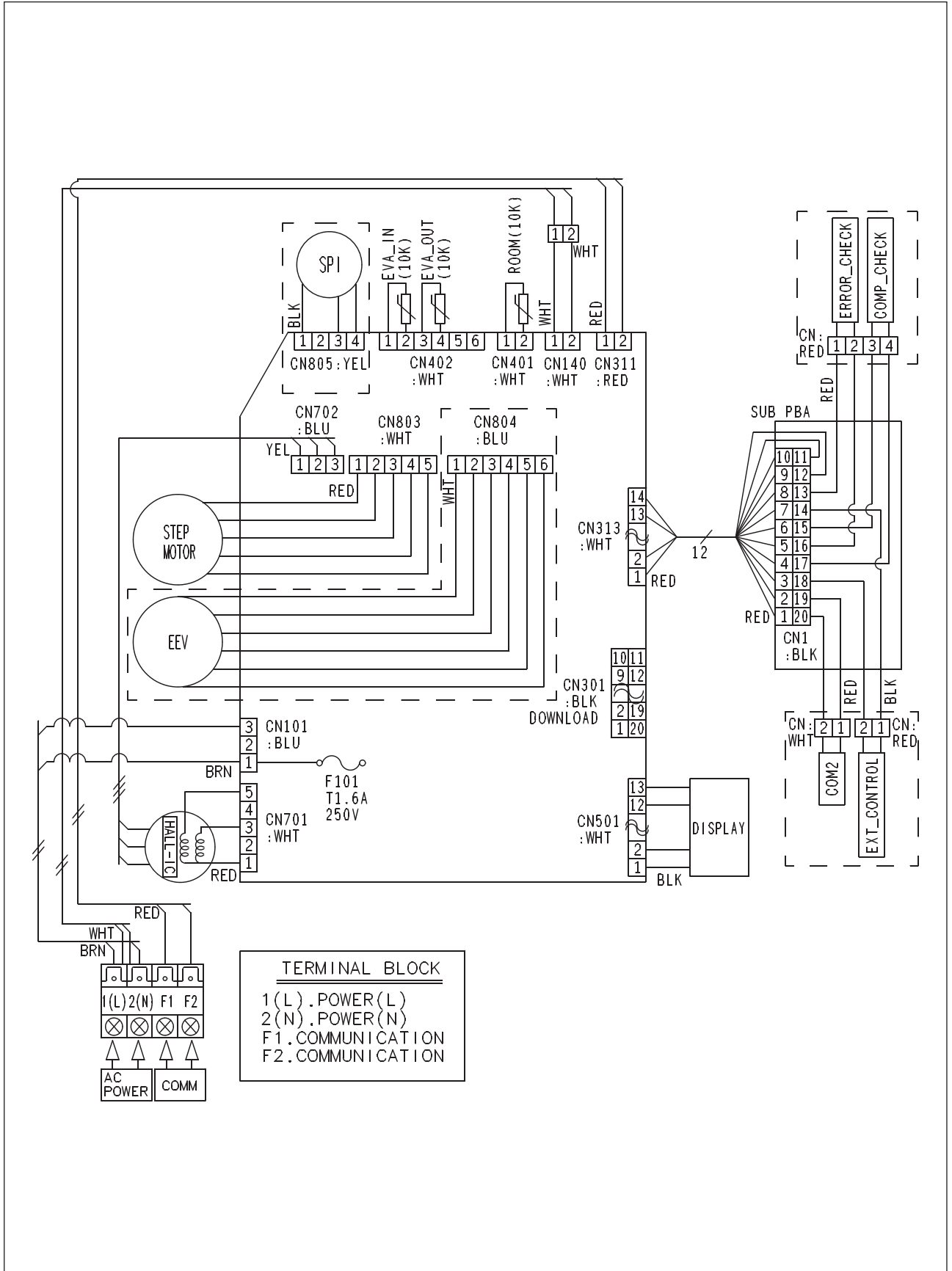
Unit:mm



No.	Name	Description	
		5.6kW	7.1kW
①	Liquid pipe connection	Ø6.35 Flare	Ø9.52 Flare
②	Gas pipe connection	Ø12.70 Flare	Ø15.88 Flare
③	Drain pipe connection	ID18 Hose	
④	Conduit for power supply & communication wiring	-	
⑤	Air inlet grille	-	
⑥	Air outlet louver	-	

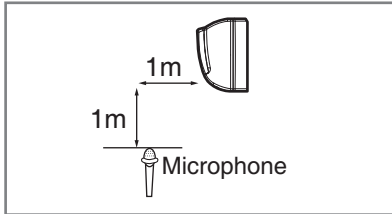
17 Neo Forte & Neo-Forte E

17-4. Electrical wiring diagram



17-5. Sound pressure level

1) Operation sound level



Unit : dB(A)

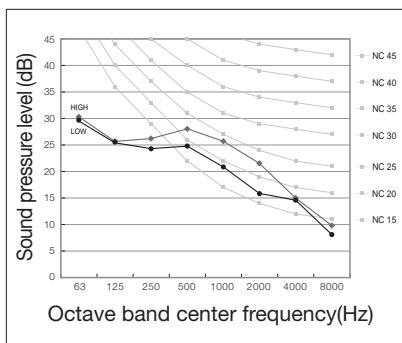
Model	High	Low
AM022FNTDEH***	30	26
AM028FNTDEH***	30	26
AM036FNTDEH***	36	28
AM056FNTDEH***	43	37
AM071FNTDEH***	44	37

Note

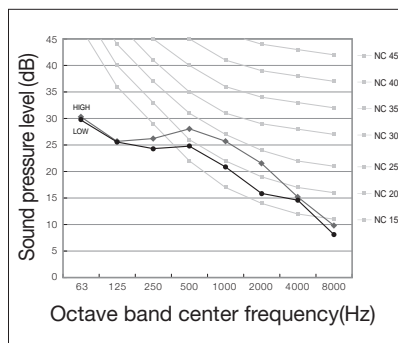
- ◆ These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ depending on operation and ambient conditions.

2) NC curves

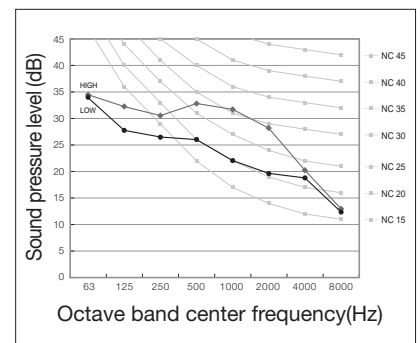
(1) AM022FNTDEH***



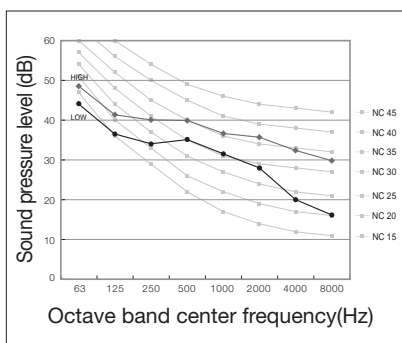
(2) AM028FNTDEH***



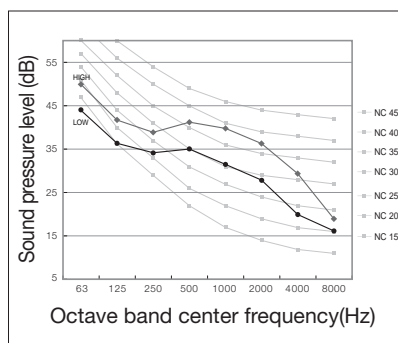
(3) AM036FNTDEH***



(4) AM056FNTDEH***

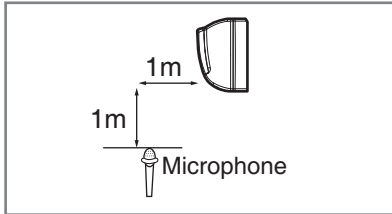


(5) AM071FNTDEH***



17-5. Sound pressure level

1) Operation sound level



Unit : dB(A)

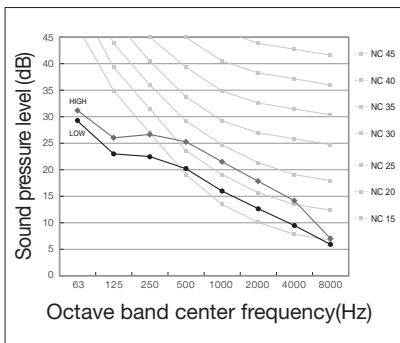
Model	High	Low
AM022FNQDEH***	31	27
AM028FNQDEH***	31	27
AM036FNQDEH***	37	29
AM045FNQDEH***	39	34
AM056FNQDEH***	44	38
AM071FNQDEH***	45	38

Note

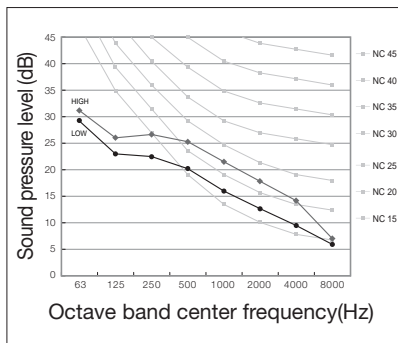
- ◆ These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ depending on operation and ambient conditions.

2) NC curves

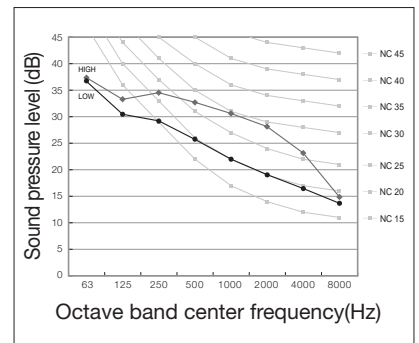
(6) AM022FNQDEH***



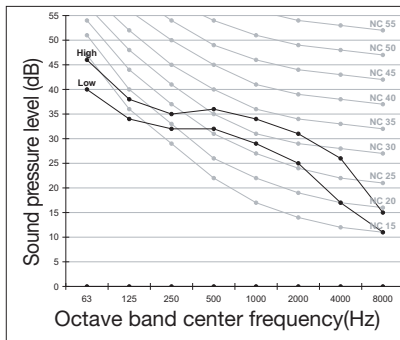
(7) AM028FNQDEH***



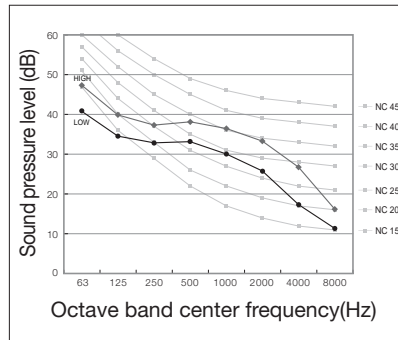
(8) AM036FNQDEH***



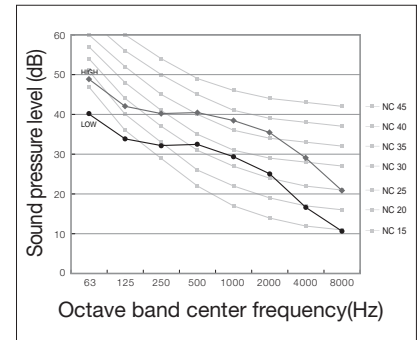
(9) AM045FNQDEH***



(10) AM056FNQDEH***



(11) AM071FNQDEH***

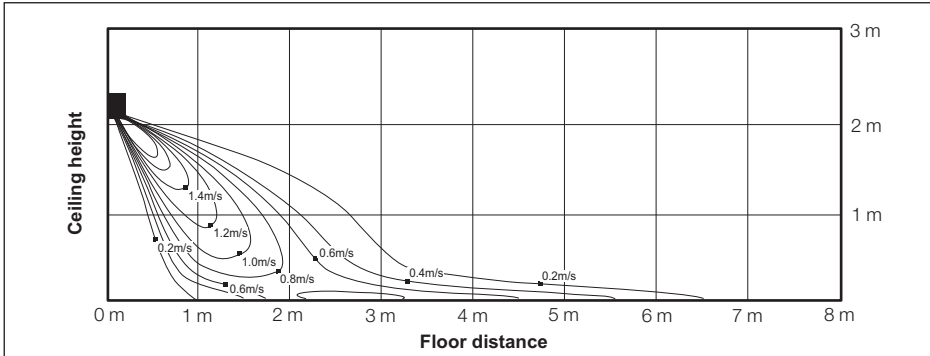


17-6. Temperature and air flow distribution

1) AM036FNTDEH***, AM036FNQDEH***

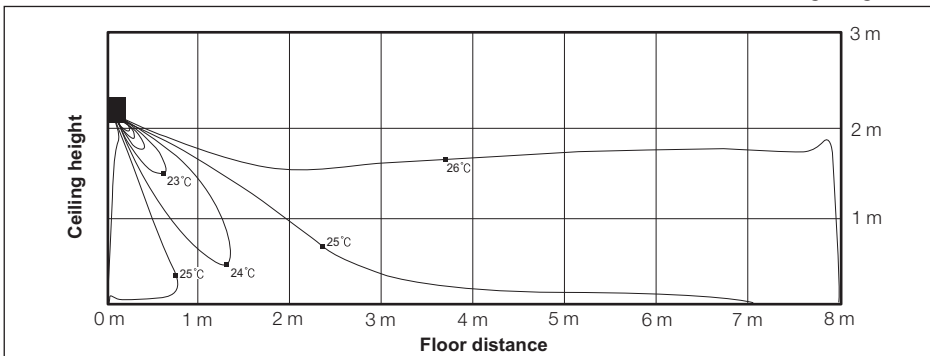
(1) Cooling air velocity distribution

◆ Discharge angle : 60°



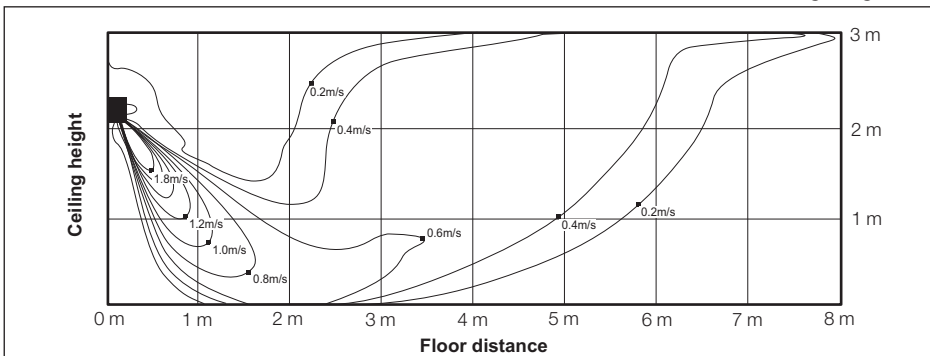
(2) Cooling temperature distribution

◆ Discharge angle : 60°



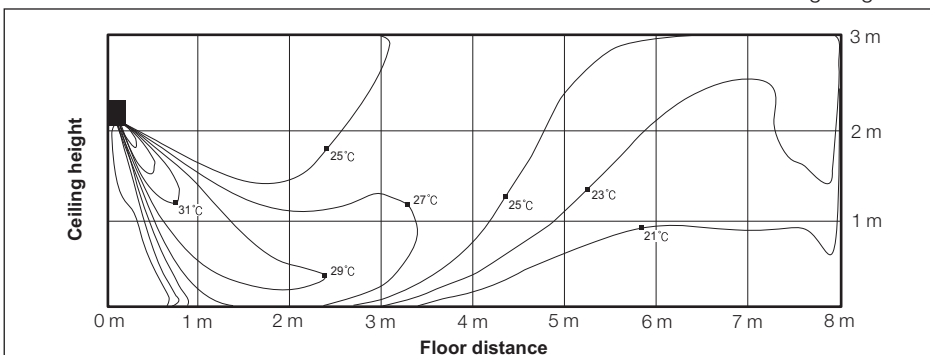
(3) Heating air velocity distribution

◆ Discharge angle : 60°



(4) Heating temperature distribution

◆ Discharge angle : 60°

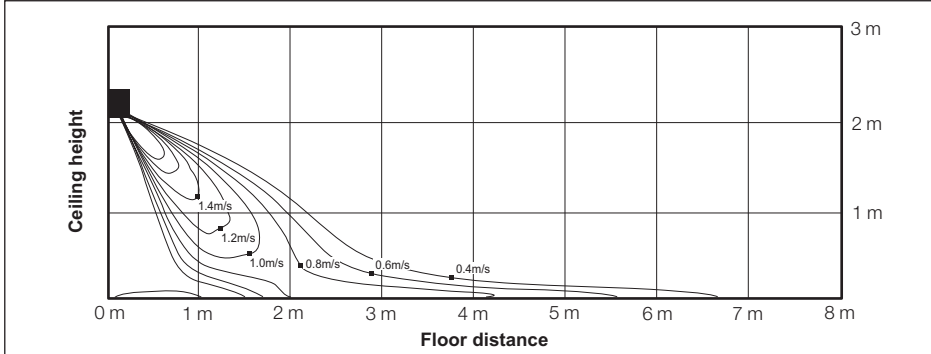


17-6. Temperature and air flow distribution

2) AM071FNTDEH***, AM071FNQDEH***

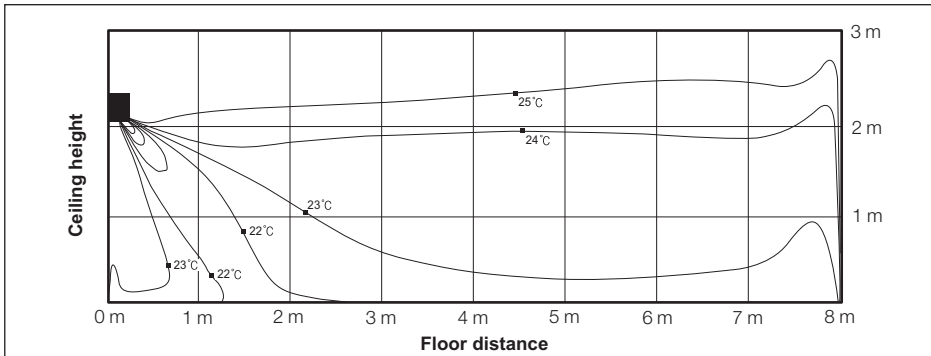
(1) Cooling air velocity distribution

◆ Discharge angle : 60°



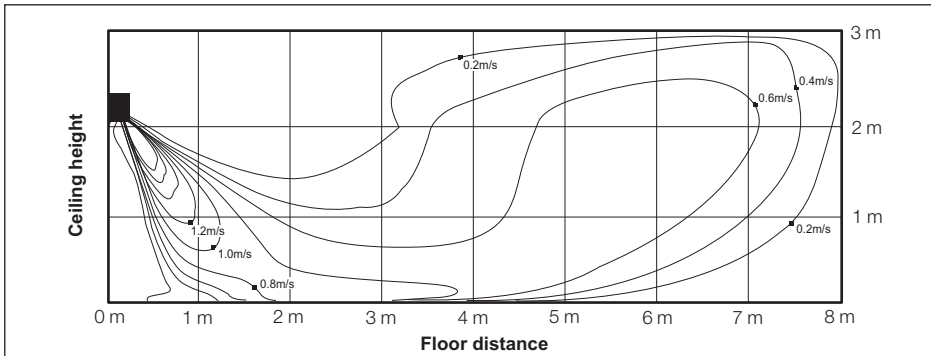
(2) Cooling temperature distribution

◆ Discharge angle : 60°



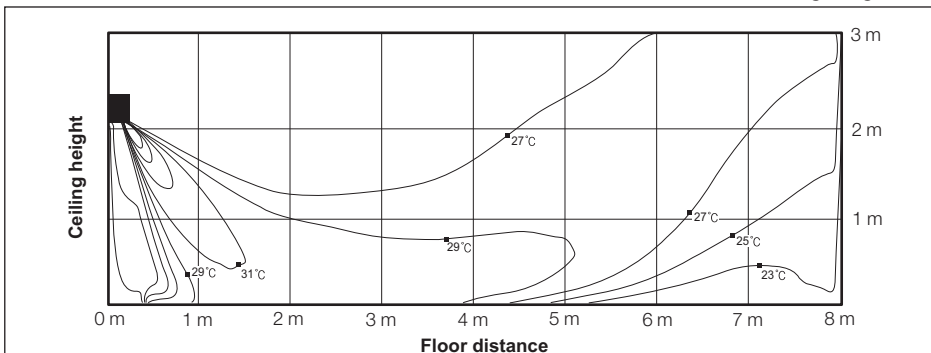
(3) Heating air velocity distribution

◆ Discharge angle : 60°



(4) Heating temperature distribution

◆ Discharge angle : 60°



18 A3050(AR5000)

18-1. Specifications

18-2. Capacity tables

18-3. Dimensional drawing

18-4. Electrical wiring diagram

18-5. Sound pressure level

18-6. Temperature and air flow distribution

18 A3050(AR5000)

18-1. Specifications

Type				AR5000	AR5000	AR5000
Model				AM015JNVDEH/TK	AM022JNVDEH/TK	AM028JNVDEH/TK
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode			-	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	1.50	2.20	2.80
			Btu/h	5,100	7,500	9,600
		Heating	kW	1.70	2.50	3.20
			Btu/h	5,800	8,500	10,900
Power	Power Input (Nominal)	Cooling	W	14.00	15.00	16.00
		Heating		16.00	18.00	24.00
	Current Input (Nominal)	Cooling	A	0.12	0.13	0.13
		Heating		0.13	0.15	0.19
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan
		Output x n	w	27 x 1	27 x 1	27 x 1
	Air Flow Rate	H/M/L (UL)	CMM	4.40 / 4.20 / 3.80	5.40 / 4.70 / 4.00	5.70 / 5.00 / 4.30
			l/s	73.33 / 70.00 / 63.33	90.00 / 78.33 / 66.67	95.00 / 83.33 / 71.67
	External Pressure	Min/Std/Max	mmAq	-	-	-
			Pa	-	-	-
Piping Connections	Liquid Pipe	Ø, mm	6.35	6.35	6.35	
		Ø, inch	1/4"	1/4"	1/4"	
	Gas Pipe	Ø, mm	12.70	12.70	12.70	
		Ø, inch	1/2"	1/2"	1/2"	
	Drain Pipe	Ø, mm	ID18 HOSE	ID18 HOSE	ID18 HOSE	
Field Wiring	Power Source Wire	mm ²	1.5 - 2.5	1.5 - 2.5	1.5 - 2.5	
	Transmission Cable	mm ²	0.75 - 1.50	0.75 - 1.50	0.75 - 1.50	
Refrigerant	Type	-	R410A	R410A	R410A	
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	
Sound	Pressure	High / Mid / Low	dB(A)	28.0 / 25.0 / 24.0	33.0 / 29.0 / 25.0	36.0 / 31.0 / 25.0
	Power	Cooling		44.0	50.0	53.0
Dimension	Net Weight		kg	7.90	7.90	8.00
	Shipping Weight		kg	9.30	9.30	9.40
	Net Dimensions (WxHxD)		mm	750 x 249 x 246	750 x 249 x 246	750 x 249 x 246
	Shipping Dimensions (WxHxD)		mm	800 x 298 x 302	800 x 298 x 302	800 x 298 x 302
Panel Size	Panel model		-	-	-	-
	Panel Net Weight		kg	-	-	-
	Shipping Weight		kg	-	-	-
	Net Dimensions (WxHxD)		mm	-	-	-
	Shipping Dimensions (WxHxD)		mm	-	-	-
Accessories	Drain Pump	Drain Pump	- / Model	-	-	-
		Max. lifting Height / Displacement	mm/liter/h	-	-	-
	Virus Doctor		-	INCLUDED	INCLUDED	INCLUDED

* Specifications may be subject to change without prior notice for product improvement.

*1) Mode

- HP : Heat Pump, HR : Heat Recovery

*2) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

18 A3050(AR5000)

18-1. Specifications

Type				AR5000	AR5000	AR5000
Model				AM036JNVDEH/TK	AM045JNVDEH/TK	AM056JNVDEH/TK
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode			-	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	3.60	4.50	5.60
			Btu/h	12,300	15,400	19,100
		Heating	kW	4.00	5.00	6.30
			Btu/h	13,600	17,100	21,500
Power	Power Input (Nominal)	Cooling	W	20.00	31.00	27.00
		Heating		28.00	41.00	37.00
	Current Input (Nominal)	Cooling	A	0.15	0.24	0.21
		Heating		0.20	0.31	0.29
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan
		Output x n	w	27 x 1	27 x 1	27 x 1
	Air Flow Rate	H/M/L (UL)	CMM	7.10 / 5.70 / 4.60	8.90 / 7.50 / 6.00	11.80 / 10.00 / 8.20
			l/s	118.33 / 95.00 / 76.67	148.33 / 125.00 / 100.00	196.67 / 166.67 / 136.67
	External Pressure	Min/Std/Max	mmAq	-	-	-
Pa			-	-	-	
Piping Connections	Liquid Pipe		Ø, mm	6.35	6.35	6.35
			Ø, inch	1/4"	1/4"	1/4"
	Gas Pipe		Ø, mm	12.70	12.70	12.70
			Ø, inch	1/2"	1/2"	1/2"
	Drain Pipe		Ø, mm	ID18 HOSE	ID18 HOSE	ID18 HOSE
Field Wiring	Power Source Wire		mm ²	1.5 - 2.5	1.5 - 2.5	1.5 - 2.5
	Transmission Cable		mm ²	0.75 - 1.50	0.75 - 1.50	0.75 - 1.50
Refrigerant	Type		-	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Pressure	High / Mid / Low	dB(A)	37.0 / 34.0 / 30.0	41.0 / 38.0 / 34.0	39.0 / 36.0 / 33.0
	Power	Cooling		54.0	57.0	57.0
Dimension	Net Weight		kg	9.60	9.60	14.50
	Shipping Weight		kg	11.20	11.20	17.70
	Net Dimensions (WxHxD)		mm	826 x 261 x 261	826 x 261 x 261	1,065 x 301 x 294
	Shipping Dimensions (WxHxD)		mm	886 x 317 x 335	886 x 317 x 335	1,123 x 354 x 384
Panel Size	Panel model		-	-	-	-
	Panel Net Weight		kg	-	-	-
	Shipping Weight		kg	-	-	-
	Net Dimensions (WxHxD)		mm	-	-	-
	Shipping Dimensions (WxHxD)		mm	-	-	-
Accessories	Drain Pump	Drain Pump	- / Model	-	-	-
		Max. lifting Height / Displacement	mm/liter/h	-	-	-
	Virus Doctor		-	INCLUDED	INCLUDED	INCLUDED

* Specifications may be subject to change without prior notice for product improvement.

*1) Mode

- HP : Heat Pump, HR : Heat Recovery

*2) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

18 A3050(AR5000)

18-1. Specifications

Type				AR5000	AR5000
Model				AM071JNVDEH/TK	AM082JNVDEH/TK
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50
Mode				HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	7.10	8.20
			Btu/h	24,200	28,000
		Heating	kW	8.00	8.50
			Btu/h	27,300	29,000
Power	Power Input (Nominal)	Cooling	W	41.00	55.00
		Heating	W	53.00	72.00
	Current Input (Nominal)	Cooling	A	0.31	0.42
		Heating	A	0.41	0.55
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan
		Output x n	w	27 x 1	27 x 1
	Air Flow Rate	H/M/L (UL)	CMM	14.80 / 12.40 / 10.00	16.70 / 14.30 / 12.40
			l/s	246.67 / 206.67 / 166.67	278.33 / 238.33 / 206.67
	External Pressure	Min/Std/Max	mmAq	-	-
			Pa	-	-
Piping Connections	Liquid Pipe	Ø, mm	9.52	9.52	
		Ø, inch	3/8"	3/8"	
	Gas Pipe	Ø, mm	15.88	15.88	
		Ø, inch	5/8"	5/8"	
	Drain Pipe	Ø, mm	ID18 HOSE	ID18 HOSE	
Field Wiring	Power Source Wire	mm ²	1.5 - 2.5	1.5 - 2.5	
	Transmission Cable	mm ²	0.75 - 1.50	0.75 - 1.50	
Refrigerant	Type	-	R410A	R410A	
	Control Method	-	EEV INCLUDED	EEV INCLUDED	
Sound	Pressure	High / Mid / Low	dB(A)	44.0 / 41.0 / 36.0	47.0 / 43.0 / 40.0
	Power	Cooling		61.0	65.0
Dimension	Net Weight		kg	14.50	14.50
	Shipping Weight		kg	17.70	17.70
	Net Dimensions (WxHxD)		mm	1,065 x 301 x 294	1,065 x 301 x 294
	Shipping Dimensions (WxHxD)		mm	1,123 x 354 x 384	1,123 x 354 x 384
Panel Size	Panel model		-	-	-
	Panel Net Weight		kg	-	-
	Shipping Weight		kg	-	-
	Net Dimensions (WxHxD)		mm	-	-
	Shipping Dimensions (WxHxD)		mm	-	-
Accessories	Drain Pump	Drain Pump	- / Model	-	-
		Max. lifting Height / Displacement	mm/liter/h	-	-
	Virus Doctor		-	INCLUDED	INCLUDED

* Specifications may be subject to change without prior notice for product improvement.

*1) Mode

- HP : Heat Pump, HR : Heat Recovery

*2) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

18-2. Capacity tables

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC kW	SHC kW	TC kW	SHC kW	TC kW	SHC kW	TC kW	SHC kW	TC kW	SHC kW	TC kW	SHC kW	TC kW	SHC kW
5.60	29	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.20	3.80	6.60	3.50
	31	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.20	3.80	6.60	3.50
	33	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.20	3.80	6.60	3.50
	35	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.20	3.80	6.60	3.50
	37	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.10	3.70	6.50	3.40
	39	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.10	3.70	6.40	3.30
7.10	10	4.90	3.80	5.80	4.30	6.70	4.70	7.10	4.80	7.40	4.80	8.00	4.90	8.50	4.60
	12	4.90	3.80	5.80	4.30	6.70	4.70	7.10	4.80	7.40	4.80	8.00	4.90	8.50	4.60
	14	4.90	3.80	5.80	4.30	6.70	4.70	7.10	4.80	7.40	4.80	7.90	4.80	8.50	4.60
	16	4.90	3.80	5.80	4.30	6.70	4.70	7.10	4.80	7.40	4.80	7.90	4.80	8.40	4.40
	18	4.90	3.80	5.80	4.30	6.70	4.70	7.10	4.80	7.40	4.80	7.90	4.80	8.40	4.40
	20	4.90	3.80	5.80	4.30	6.70	4.70	7.10	4.80	7.40	4.80	7.90	4.80	8.40	4.40
	21	4.90	3.80	5.80	4.30	6.70	4.70	7.10	4.80	7.40	4.80	7.90	4.80	8.40	4.40
	23	4.90	3.80	5.80	4.30	6.70	4.70	7.10	4.80	7.40	4.80	7.90	4.80	8.40	4.40
	25	4.90	3.80	5.80	4.30	6.70	4.70	7.10	4.80	7.40	4.80	7.90	4.80	8.40	4.40
	27	4.90	3.80	5.80	4.30	6.70	4.70	7.10	4.80	7.40	4.80	7.90	4.80	8.40	4.40
	29	4.90	3.80	5.80	4.30	6.70	4.70	7.10	4.80	7.40	4.80	7.90	4.80	8.40	4.40
	31	4.90	3.80	5.80	4.30	6.70	4.70	7.10	4.80	7.40	4.80	7.90	4.80	8.40	4.40
	33	4.90	3.80	5.80	4.30	6.70	4.70	7.10	4.80	7.40	4.80	7.90	4.80	8.40	4.40
	35	4.90	3.80	5.80	4.30	6.70	4.70	7.10	4.80	7.40	4.80	7.90	4.80	8.40	4.40
	37	4.90	3.80	5.80	4.30	6.70	4.70	7.10	4.80	7.40	4.80	7.70	4.70	8.20	4.30
	39	4.90	3.80	5.80	4.30	6.70	4.70	7.10	4.80	7.40	4.80	7.70	4.70	8.10	4.20
8.20	10	5.70	4.40	6.70	5.00	7.80	5.40	8.20	5.60	8.50	5.60	9.20	5.70	9.80	5.30
	12	5.70	4.40	6.70	5.00	7.80	5.40	8.20	5.60	8.50	5.60	9.20	5.70	9.80	5.30
	14	5.70	4.40	6.70	5.00	7.80	5.40	8.20	5.60	8.50	5.60	9.10	5.60	9.80	5.30
	16	5.70	4.40	6.70	5.00	7.80	5.40	8.20	5.60	8.50	5.60	9.10	5.60	9.70	5.10
	18	5.70	4.40	6.70	5.00	7.80	5.40	8.20	5.60	8.50	5.60	9.10	5.60	9.70	5.10
	20	5.70	4.40	6.70	5.00	7.80	5.40	8.20	5.60	8.50	5.60	9.10	5.60	9.70	5.10
	21	5.70	4.40	6.70	5.00	7.80	5.40	8.20	5.60	8.50	5.60	9.10	5.60	9.70	5.10
	23	5.70	4.40	6.70	5.00	7.80	5.40	8.20	5.60	8.50	5.60	9.10	5.60	9.70	5.10
	25	5.70	4.40	6.70	5.00	7.80	5.40	8.20	5.60	8.50	5.60	9.10	5.60	9.70	5.10
	27	5.70	4.40	6.70	5.00	7.80	5.40	8.20	5.60	8.50	5.60	9.10	5.60	9.70	5.10
	29	5.70	4.40	6.70	5.00	7.80	5.40	8.20	5.60	8.50	5.60	9.10	5.60	9.70	5.10
	31	5.70	4.40	6.70	5.00	7.80	5.40	8.20	5.60	8.50	5.60	9.10	5.60	9.70	5.10
	33	5.70	4.40	6.70	5.00	7.80	5.40	8.20	5.60	8.50	5.60	9.10	5.60	9.70	5.10
	35	5.70	4.40	6.70	5.00	7.80	5.40	8.20	5.60	8.50	5.60	9.10	5.60	9.70	5.10
	37	5.70	4.40	6.70	5.00	7.80	5.40	8.20	5.60	8.50	5.60	8.90	5.40	9.50	5.00
	39	5.70	4.40	6.70	5.00	7.80	5.40	8.20	5.60	8.50	5.60	8.90	5.40	9.40	4.80

18-2. Capacity tables

Heating

TC : Total Capacity

Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC	TC	TC	TC	TC
1.50	-20	-21	1.00	1.00	1.00	1.00	1.00
	-17	-18	1.10	1.10	1.10	1.10	1.10
	-15	-16	1.20	1.10	1.10	1.10	1.10
	-12	-13	1.20	1.20	1.20	1.20	1.20
	-10	-11	1.40	1.40	1.30	1.30	1.30
	-7	-8	1.60	1.50	1.50	1.40	1.40
	-5	-6	1.60	1.60	1.60	1.50	1.50
	-3	-4	1.70	1.70	1.60	1.60	1.50
	0	-1	1.80	1.70	1.70	1.60	1.50
	3	2	1.80	1.80	1.70	1.60	1.50
	5	4	1.90	1.80	1.70	1.60	1.50
	7	6	1.90	1.80	1.70	1.60	1.50
	9	8	2.00	1.80	1.70	1.60	1.50
	11	10	2.00	1.80	1.70	1.60	1.50
	13	12	2.00	1.80	1.70	1.60	1.50
15	14	2.00	1.80	1.70	1.60	1.50	
2.20	-20	-21	1.50	1.50	1.50	1.50	1.50
	-17	-18	1.60	1.60	1.60	1.60	1.60
	-15	-16	1.70	1.60	1.60	1.60	1.60
	-12	-13	1.80	1.80	1.80	1.80	1.70
	-10	-11	2.00	2.00	1.90	1.90	1.90
	-7	-8	2.30	2.20	2.20	2.00	2.00
	-5	-6	2.40	2.30	2.30	2.20	2.20
	-3	-4	2.50	2.50	2.40	2.30	2.20
	0	-1	2.60	2.50	2.50	2.30	2.20
	3	2	2.70	2.60	2.50	2.30	2.20
	5	4	2.80	2.70	2.50	2.30	2.20
	7	6	2.80	2.70	2.50	2.30	2.20
	9	8	3.00	2.70	2.50	2.30	2.20
	11	10	3.00	2.70	2.50	2.30	2.20
	13	12	3.00	2.70	2.50	2.30	2.20
15	14	3.00	2.70	2.50	2.30	2.20	
2.80	-20	-21	1.90	1.90	1.90	1.90	1.90
	-17	-18	2.00	2.00	2.00	2.00	1.90
	-15	-16	2.10	2.10	2.00	2.00	1.90
	-12	-13	2.20	2.20	2.20	2.10	2.10
	-10	-11	2.30	2.30	2.30	2.30	2.20
	-7	-8	2.50	2.40	2.40	2.40	2.30
	-5	-6	2.60	2.60	2.50	2.50	2.40
	-3	-4	2.80	2.70	2.70	2.60	2.50
	0	-1	2.90	2.80	2.80	2.70	2.60
	3	2	3.00	3.00	2.90	2.70	2.70
	5	4	3.20	3.10	3.10	2.90	2.70
	7	6	3.30	3.20	3.20	3.00	2.70
	9	8	3.40	3.30	3.20	3.00	2.70
	11	10	3.50	3.30	3.20	3.00	2.70
	13	12	3.60	3.40	3.20	3.00	2.70
15	14	3.70	3.40	3.20	3.00	2.70	
3.60	-20	-21	2.40	2.40	2.30	2.30	2.30
	-17	-18	2.60	2.50	2.40	2.40	2.30
	-15	-16	2.70	2.60	2.50	2.50	2.40
	-12	-13	2.80	2.70	2.70	2.60	2.60
	-10	-11	2.90	2.90	2.90	2.80	2.80
	-7	-8	3.10	3.10	3.00	3.00	2.90
	-5	-6	3.30	3.20	3.20	3.10	3.00
	-3	-4	3.40	3.40	3.30	3.20	3.10
	0	-1	3.60	3.60	3.50	3.40	3.20
	3	2	3.80	3.70	3.70	3.50	3.40
	5	4	3.90	3.90	3.80	3.60	3.40
	7	6	4.10	4.10	4.00	3.70	3.40
	9	8	4.20	4.10	4.00	3.70	3.40
	11	10	4.40	4.20	4.00	3.70	3.40
	13	12	4.50	4.20	4.00	3.70	3.40
15	14	4.60	4.30	4.00	3.70	3.40	
4.50	-20	-21	3.10	3.00	3.00	2.90	2.90
	-17	-18	3.20	3.20	3.10	3.00	3.00
	-15	-16	3.30	3.30	3.20	3.10	3.00
	-12	-13	3.50	3.40	3.30	3.30	3.30
	-10	-11	3.70	3.70	3.60	3.50	3.50
	-7	-8	3.90	3.80	3.80	3.70	3.60
	-5	-6	4.10	4.00	4.00	3.90	3.70
	-3	-4	4.30	4.20	4.20	4.00	3.90
	0	-1	4.50	4.40	4.40	4.20	4.00
	3	2	4.70	4.70	4.60	4.40	4.20
	5	4	4.90	4.80	4.80	4.50	4.20
	7	6	5.20	5.10	5.00	4.60	4.20
	9	8	5.30	5.20	5.00	4.60	4.20
	11	10	5.50	5.20	5.00	4.60	4.20
	13	12	5.60	5.30	5.00	4.60	4.20
15	14	5.80	5.40	5.00	4.60	4.20	
5.60	-20	-21	3.90	3.80	3.80	3.70	3.70
	-17	-18	4.00	4.00	3.90	3.80	3.80
	-15	-16	4.20	4.10	4.00	3.90	3.80
	-12	-13	4.40	4.30	4.20	4.20	4.10
	-10	-11	4.60	4.60	4.50	4.40	4.40
	-7	-8	4.90	4.80	4.80	4.70	4.50
	-5	-6	5.20	5.10	5.00	4.90	4.70
	-3	-4	5.40	5.30	5.30	5.10	4.90
	0	-1	5.70	5.60	5.50	5.30	5.00
	3	2	5.90	5.90	5.80	5.60	5.30

18 A3050(AR5000)

18-2. Capacity tables

Heating

TC : Total Capacity

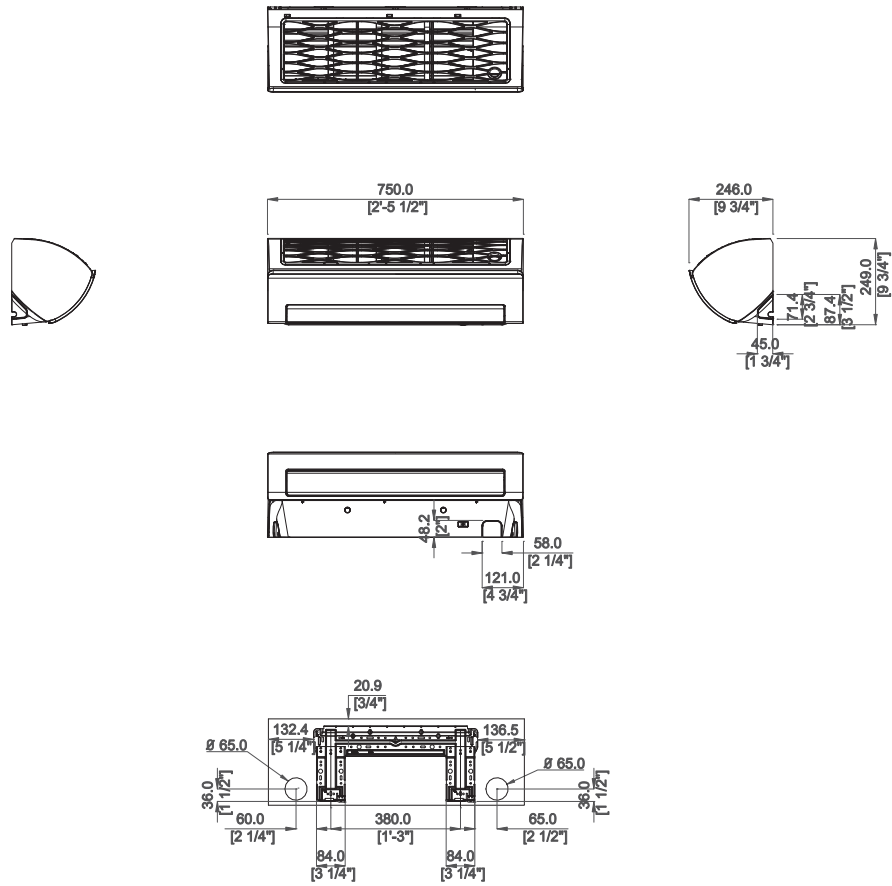
Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC kW	TC kW	TC kW	TC kW	TC kW
5.60	5	4	6.20	6.10	6.00	5.70	5.30
	7	6	6.50	6.40	6.30	5.80	5.30
	9	8	6.70	6.50	6.30	5.80	5.30
	11	10	6.90	6.60	6.30	5.80	5.30
	13	12	7.10	6.70	6.30	5.80	5.30
	15	14	7.30	6.80	6.30	5.80	5.30
7.10	-20	-21	5.00	4.80	4.80	4.70	4.70
	-17	-18	5.10	5.10	5.00	4.80	4.80
	-15	-16	5.30	5.20	5.10	5.00	4.80
	-12	-13	5.60	5.50	5.30	5.30	5.20
	-10	-11	5.80	5.80	5.70	5.60	5.60
	-7	-8	6.20	6.10	6.10	6.00	5.70
	-5	-6	6.60	6.50	6.30	6.20	6.00
	-3	-4	6.90	6.70	6.70	6.50	6.20
	0	-1	7.20	7.10	7.00	6.70	6.30
	3	2	7.50	7.50	7.40	7.10	6.70
	5	4	7.90	7.70	7.60	7.20	6.70
	7	6	8.30	8.10	8.00	7.40	6.70
	9	8	8.50	8.30	8.00	7.40	6.70
	11	10	8.80	8.40	8.00	7.40	6.70
	13	12	9.00	8.50	8.00	7.40	6.70
15	14	9.30	8.60	8.00	7.40	6.70	
8.20	-20	-21	5.30	5.10	5.10	5.00	5.00
	-17	-18	5.40	5.40	5.30	5.10	5.10
	-15	-16	5.70	5.50	5.40	5.30	5.10
	-12	-13	5.90	5.80	5.70	5.70	5.50
	-10	-11	6.20	6.20	6.10	5.90	5.90
	-7	-8	6.60	6.50	6.50	6.30	6.10
	-5	-6	7.00	6.90	6.70	6.60	6.30
	-3	-4	7.30	7.20	7.20	6.90	6.60
	0	-1	7.70	7.60	7.40	7.20	6.70
	3	2	8.00	8.00	7.80	7.60	7.20
	5	4	8.40	8.20	8.10	7.70	7.20
	7	6	8.80	8.60	8.50	7.80	7.20
	9	8	9.00	8.80	8.50	7.80	7.20
	11	10	9.30	8.90	8.50	7.80	7.20
	13	12	9.60	9.00	8.50	7.80	7.20
15	14	9.80	9.20	8.50	7.80	7.20	

18 A3050(AR5000)

18-3. Dimensional drawing

AM015JNVDEH/TK, AM022JNVDEH/TK, AM028JNVDEH/TK

Units : mm / inches

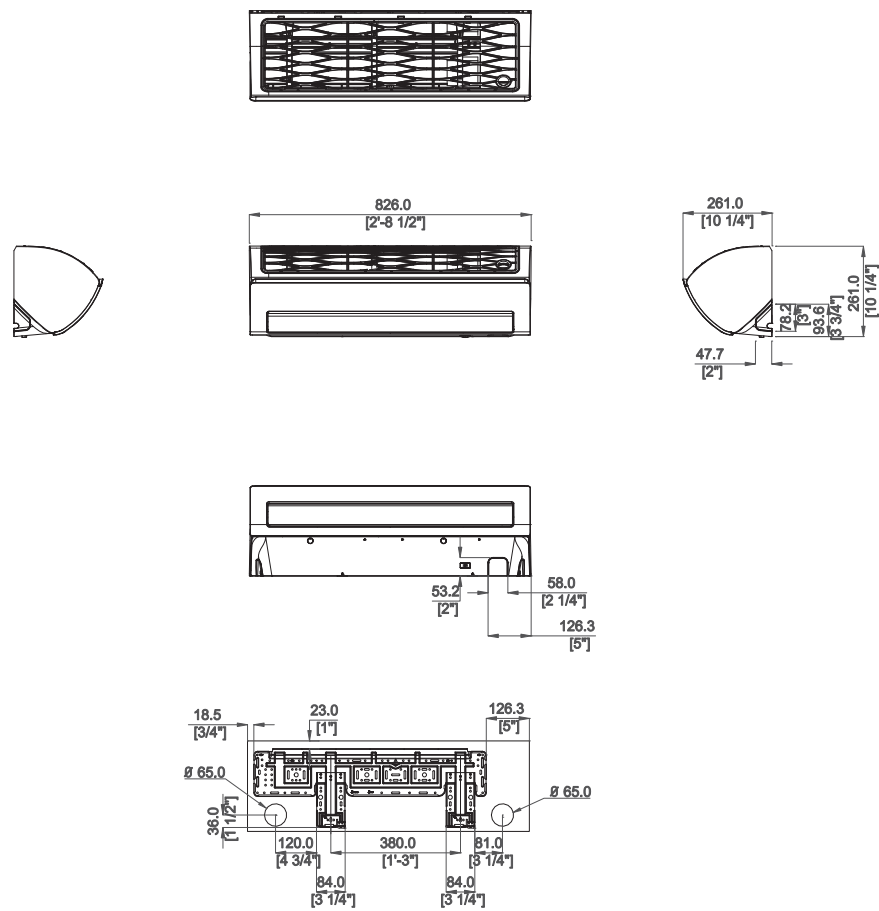


No.	Name	Description		
		1.5kW	2.2kW	2.8kW
1	Refrigerant gas pipe	Ø12.7 Flare		
2	Refrigerant liquid pipe	Ø6.35 Flare		
3	Drain pipe connection	ID 18 Hose		

18-3. Dimensional drawing

AM036JNVDEH/TK, AM045JNVDEH/TK

Units : mm / inches

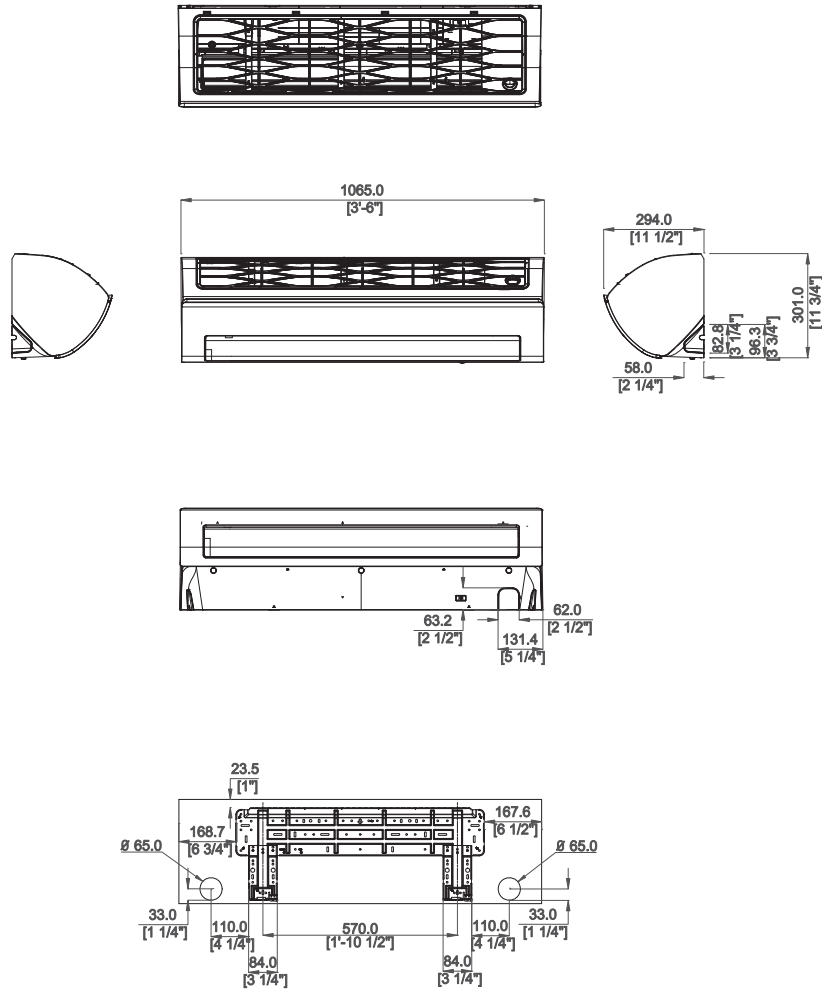


No.	Name	Description	
		3.6kW	4.5kW
1	Refrigerant gas pipe	Ø12.7 Flare	
2	Refrigerant liquid pipe	Ø6.35 Flare	
3	Drain pipe connection	ID 18 Hose	

18-3. Dimensional drawing

AM056JNVDEH/TK, AM071JNVDEH/TK, AM082JNVDEH/TK

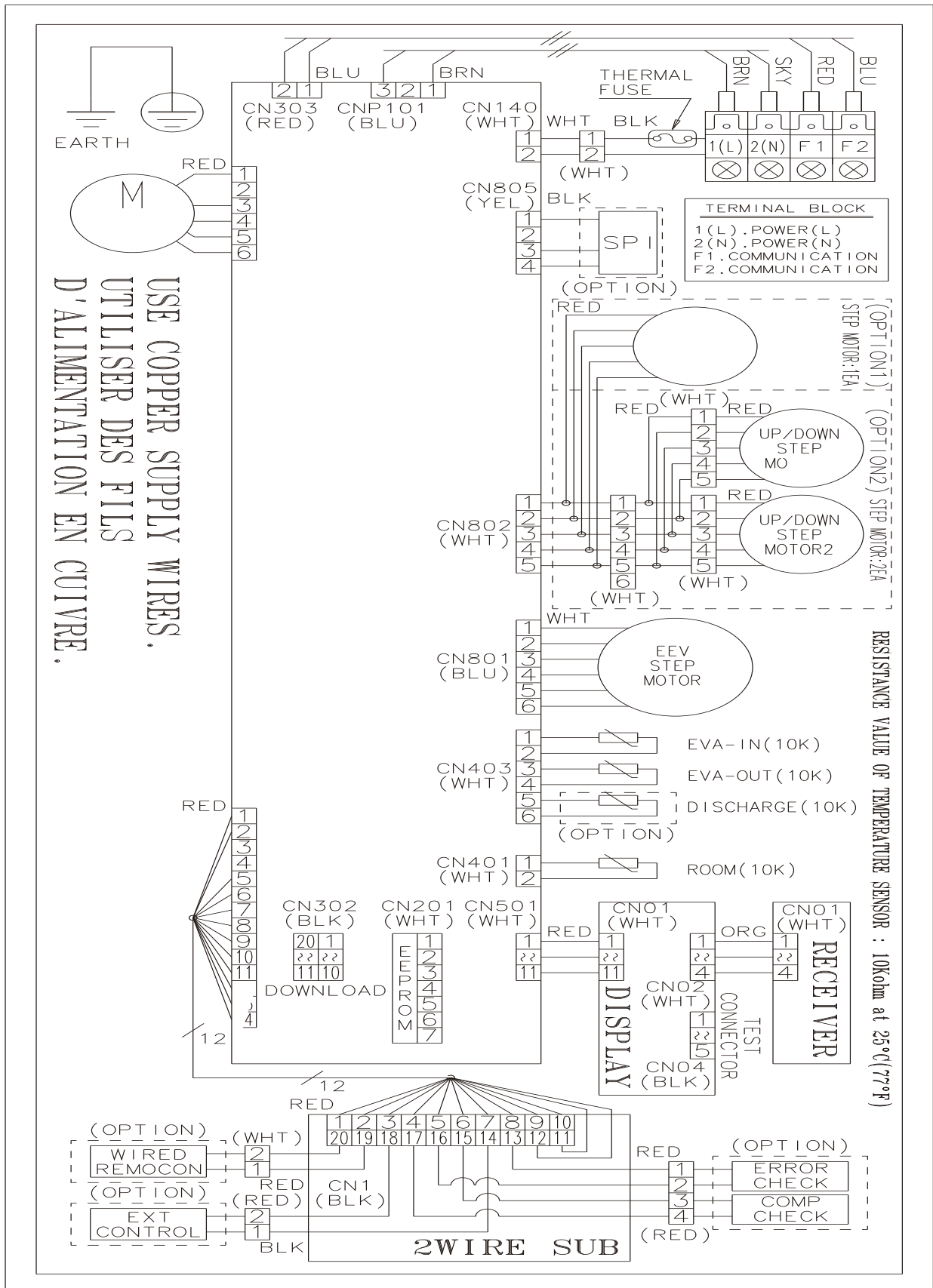
Units : mm / inches



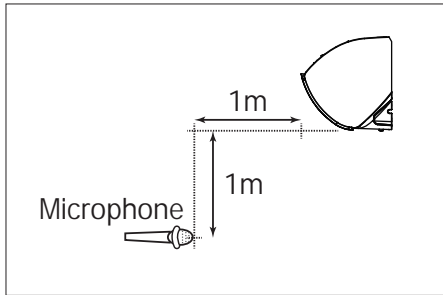
No.	Name	Description		
		5.6kW	7.1kW	8.2kW
1	Refrigerant gas pipe	Ø12.7 Flare	Ø15.88 Flare	
2	Refrigerant liquid pipe	Ø6.35 Flare	Ø9.52 Flare	
3	Drain pipe connection	ID 18 Hose		

18-4. Electrical wiring diagram

AM015JNVDEH/TK, AM022JNVDEH/TK, AM028JNVDEH/TK, AM036JNVDEH/TK, AM045JNVDEH/TK, AM056JNVDEH/TK, AM071JNVDEH/TK AM082JNVDEH/TK



18-5. Sound pressure level



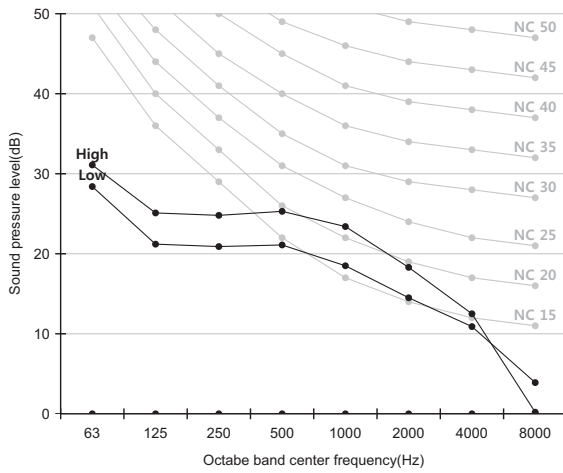
Model	Unit: dB(A)	
	High	Low
AM015JNVDEH/TK	28	24
AM022JNVDEH/TK	33	25
AM028JNVDEH/TK	36	25
AM036JNVDEH/TK	37	30

Note

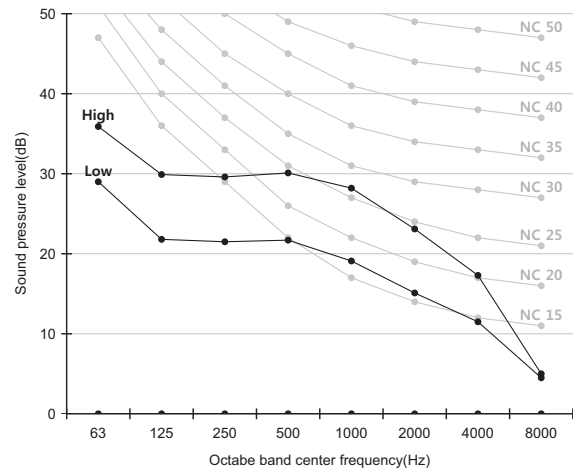
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

NC curve

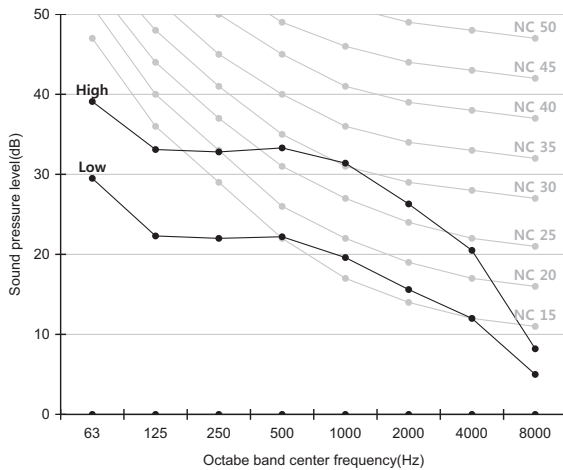
1) AM015JNVDEH/TK



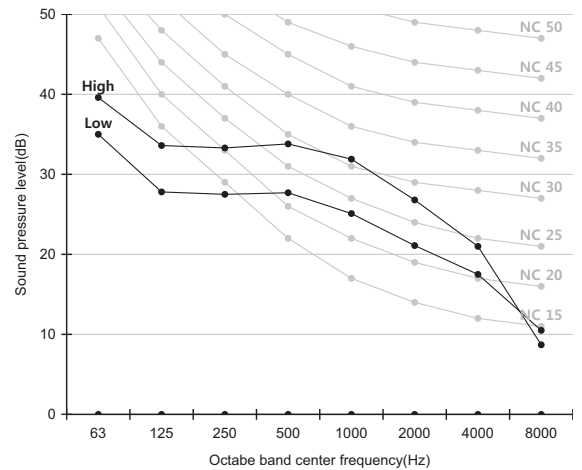
2) AM022JNVDEH/TK



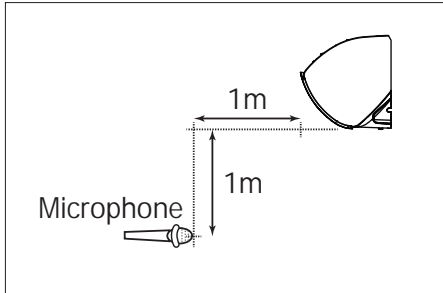
3) AM028JNVDEH/TK



4) AM036JNVDEH/TK



18-5. Sound pressure level



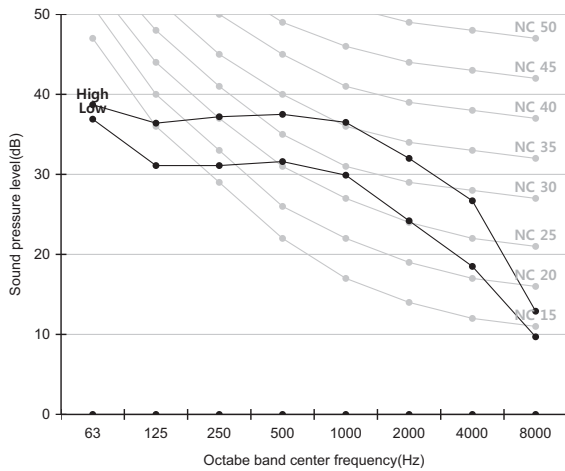
Model	Unit: dB(A)	
	High	Low
AM045JNVDEH/TK	41	34
AM056JNVDEH/TK	39	33
AM071JNVDEH/TK	44	36
AM082JNVDEH/TK	47	40

Note

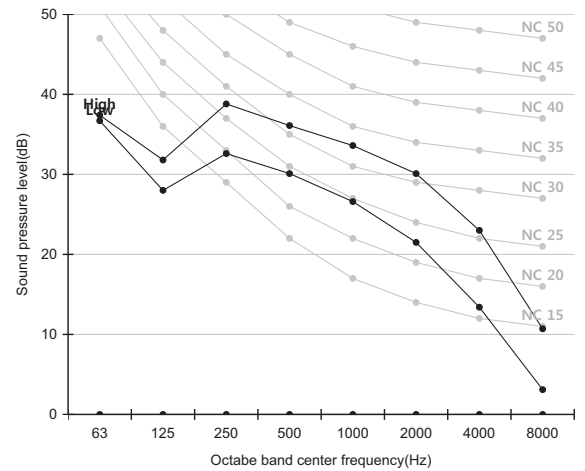
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

NC curve

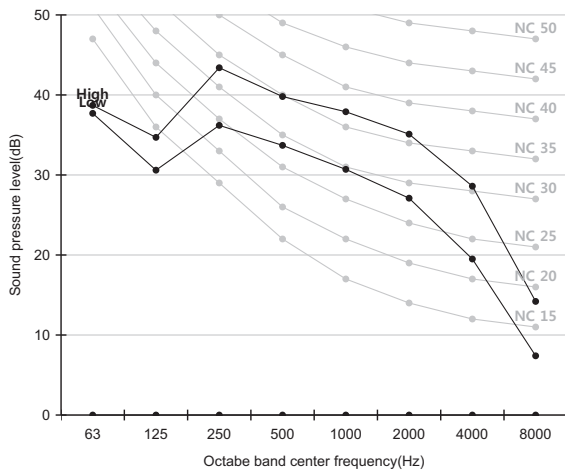
1) AM045JNVDEH/TK



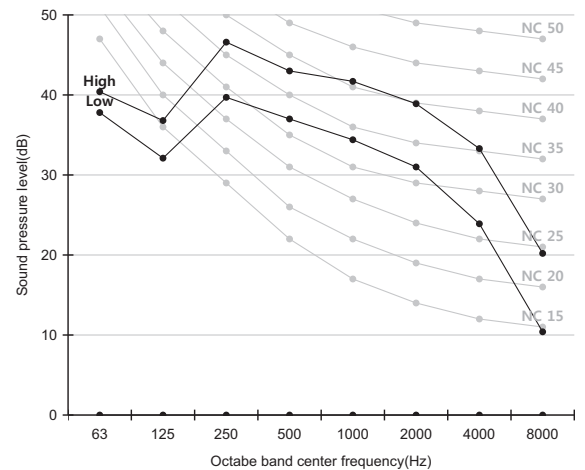
2) AM056JNVDEH/TK



3) AM071JNVDEH/TK



4) AM082JNVDEH/TK

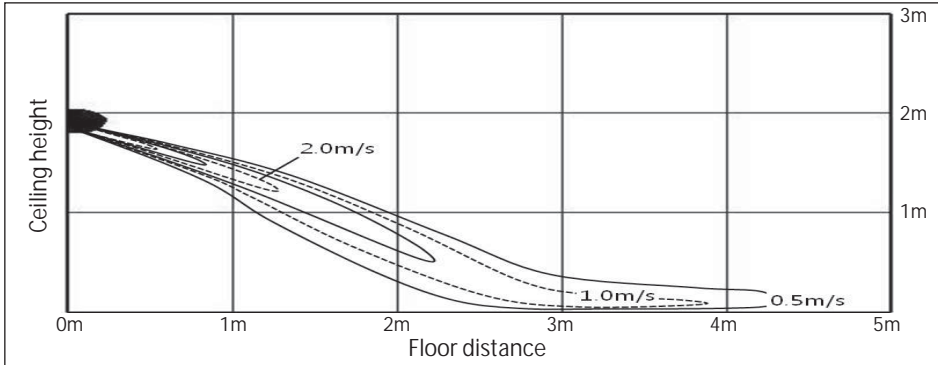


18-6. Temperature and air flow distribution

AM015/022/028JNVDEH/TK

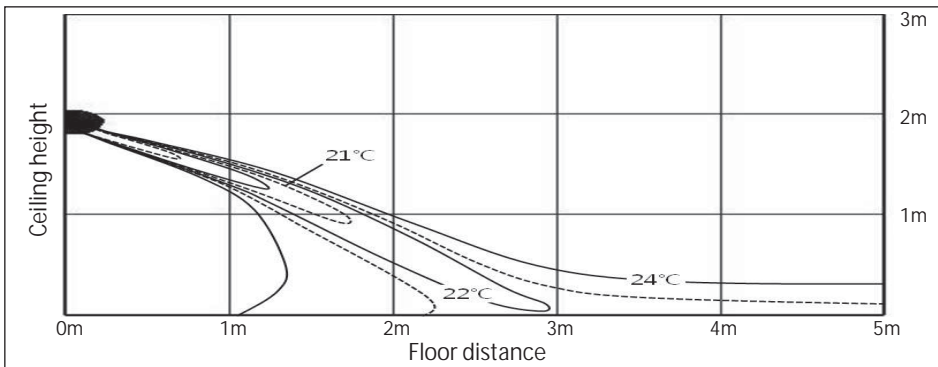
(1) Cooling air velocity distribution

Discharge angle : 25°



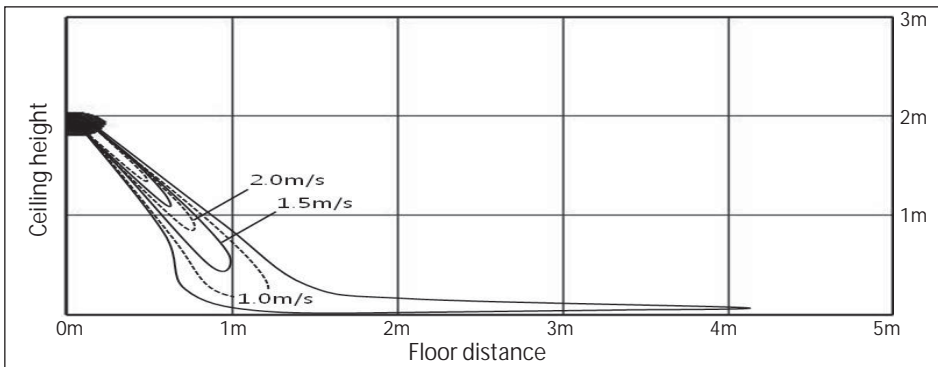
(2) Cooling temperature distribution

Discharge angle : 25°



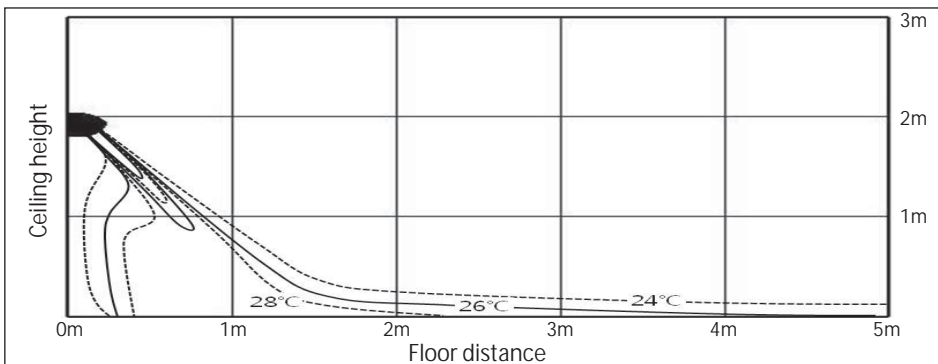
(3) Heating air velocity distribution

Discharge angle : 55°



(4) Heating temperature distribution

Discharge angle : 55°

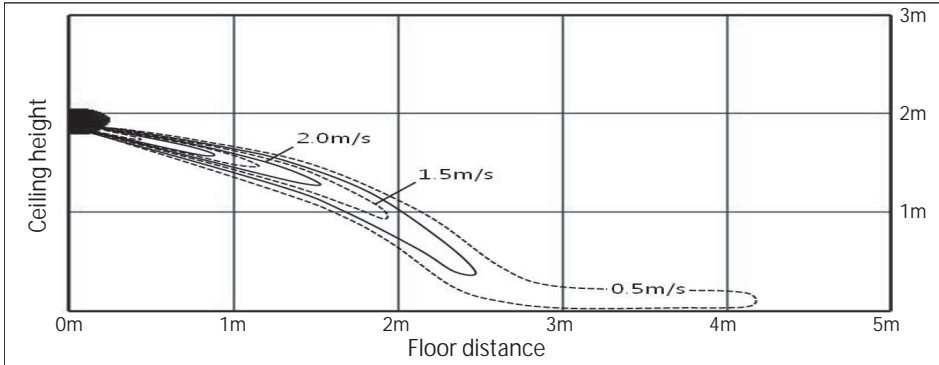


18-6. Temperature and air flow distribution

AM036JNVDEH/TK

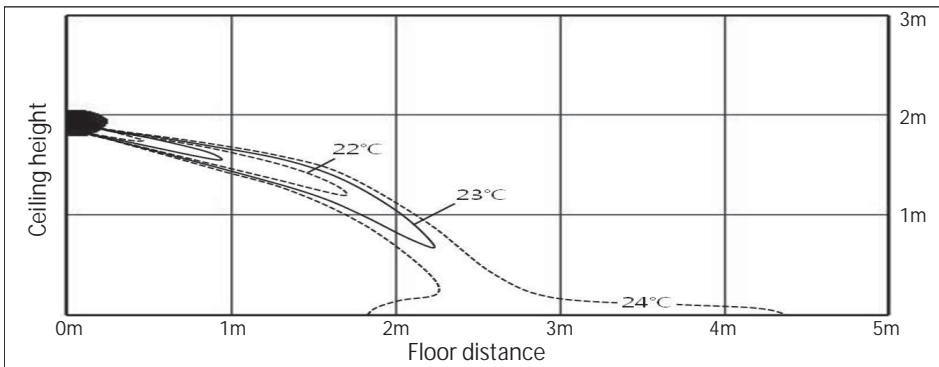
(1) Cooling air velocity distribution

Discharge angle : 18°



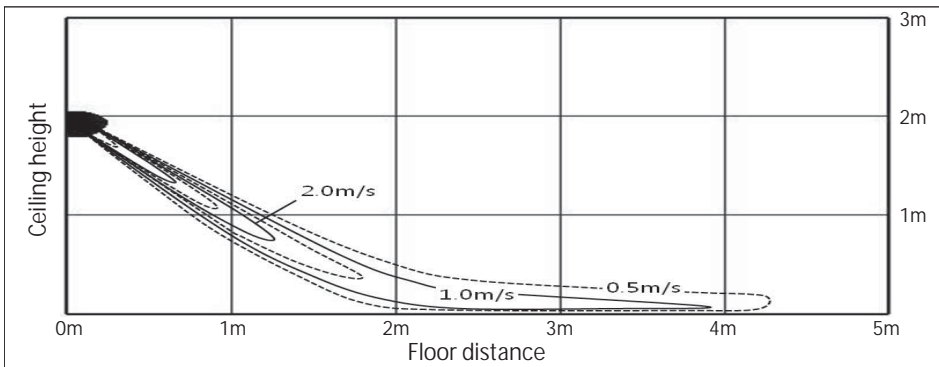
(2) Cooling temperature distribution

Discharge angle : 18°



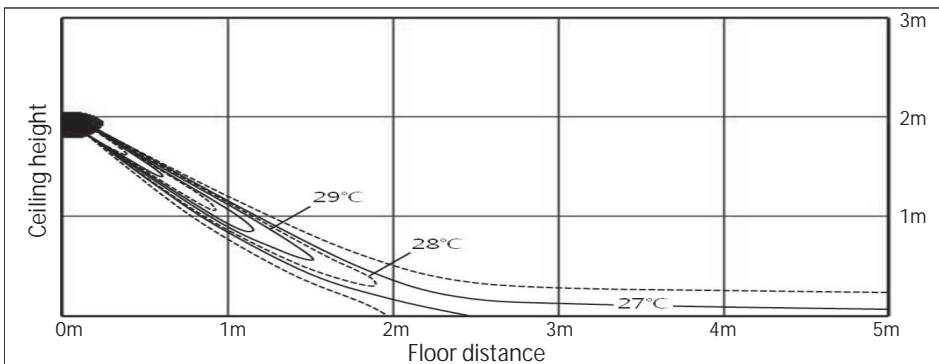
(3) Heating air velocity distribution

Discharge angle : 46°



(4) Heating temperature distribution

Discharge angle : 46°

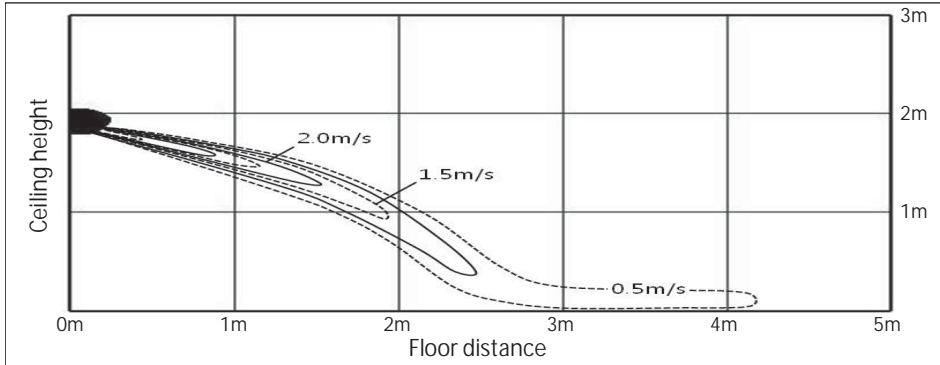


18-6. Temperature and air flow distribution

AM045JNVDEH/TK

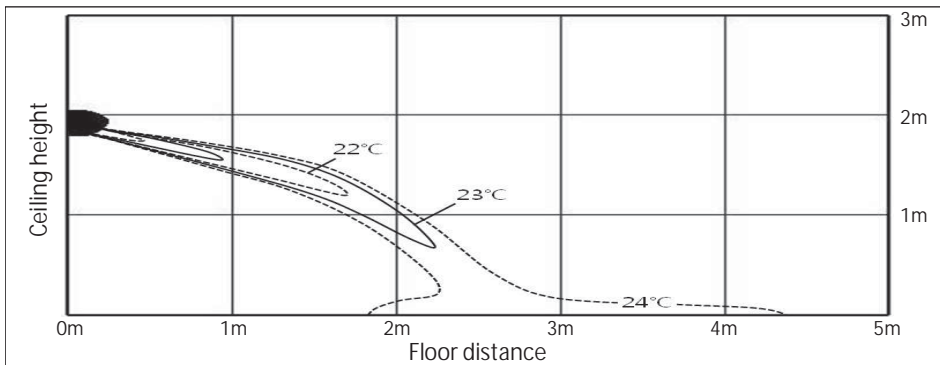
(1) Cooling air velocity distribution

Discharge angle : 18°



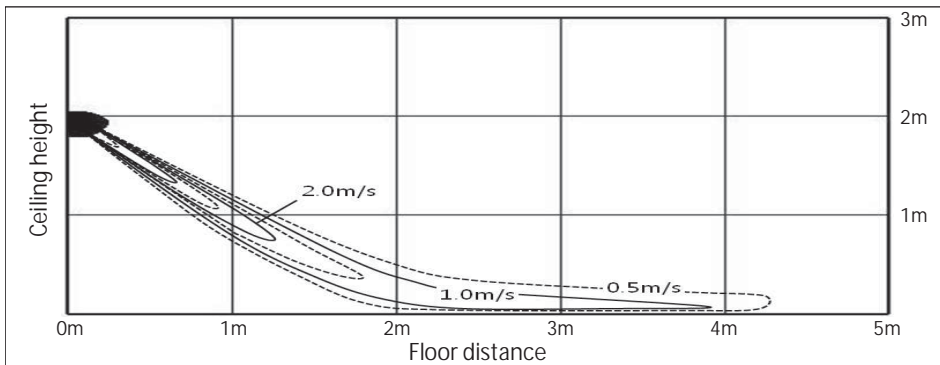
(2) Cooling temperature distribution

Discharge angle : 18°



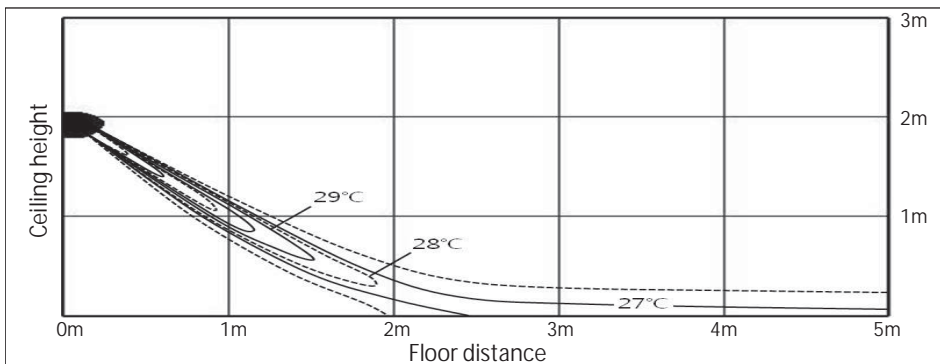
(3) Heating air velocity distribution

Discharge angle : 46°



(4) Heating temperature distribution

Discharge angle : 46°



18-6. Temperature and air flow distribution

AM056JNVDEH/TK

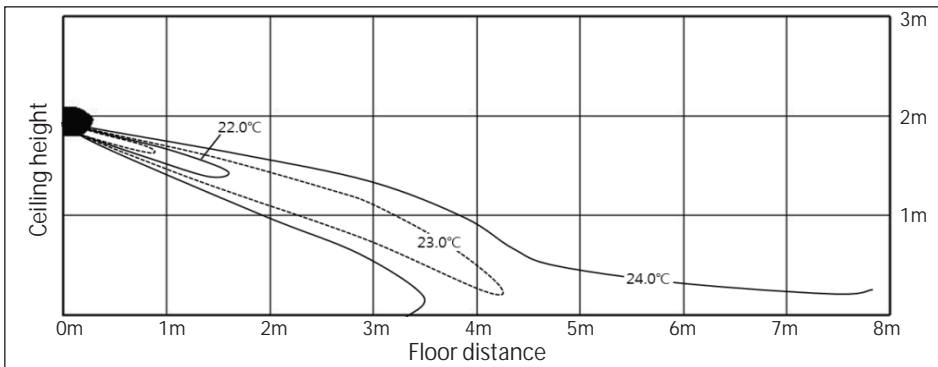
(1) Cooling air velocity distribution

Discharge angle : 18°



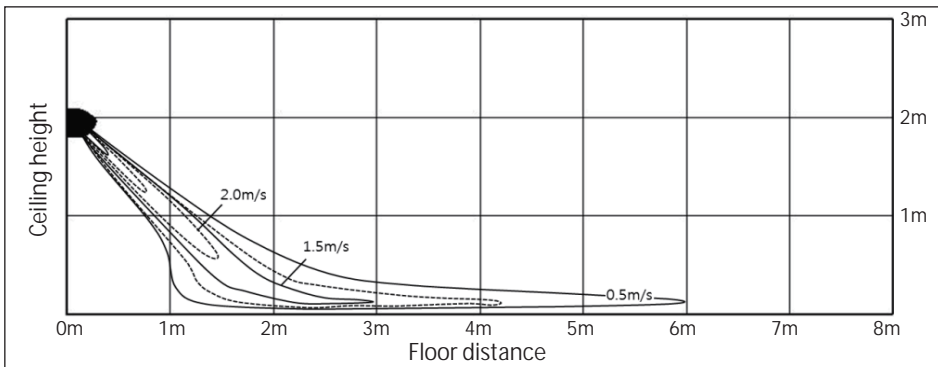
(2) Cooling temperature distribution

Discharge angle : 18°



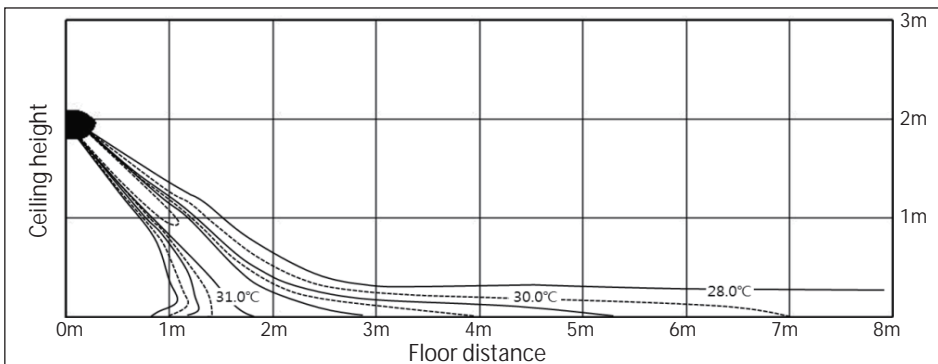
(3) Heating air velocity distribution

Discharge angle : 46°



(4) Heating temperature distribution

Discharge angle : 46°

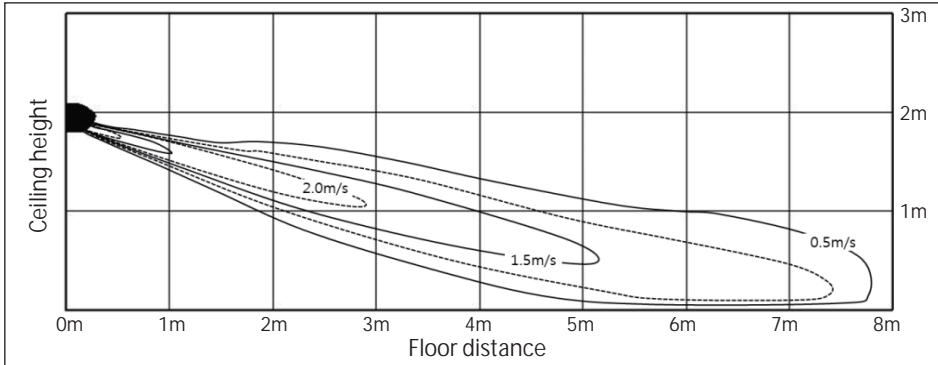


18-6. Temperature and air flow distribution

AM071JNVDEH/TK

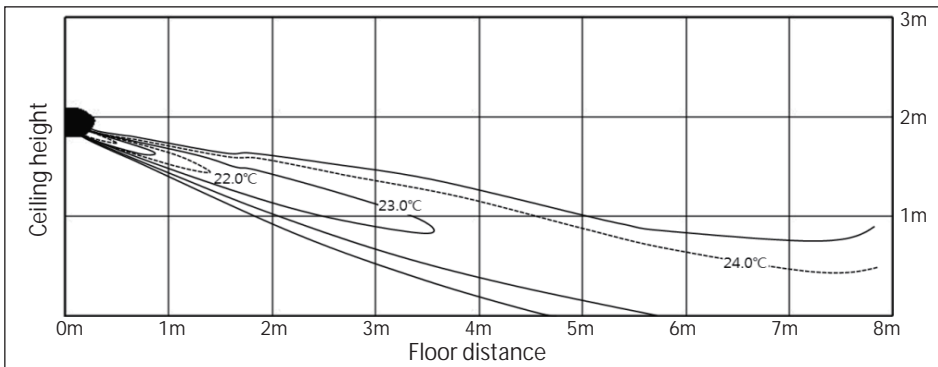
(1) Cooling air velocity distribution

Discharge angle : 18°



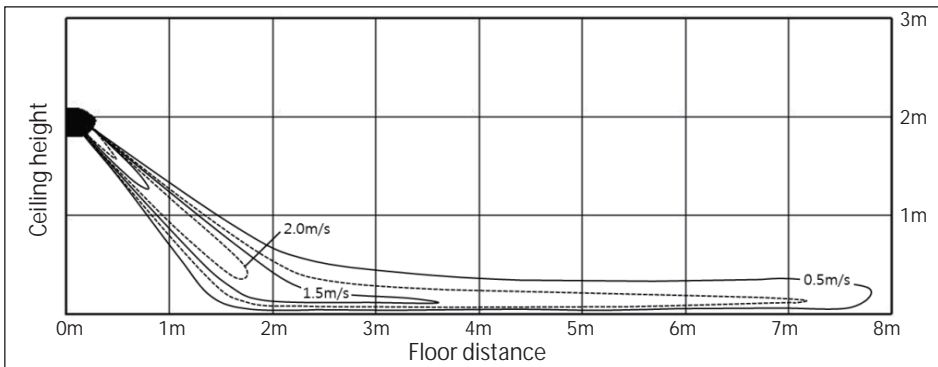
(2) Cooling temperature distribution

Discharge angle : 18°



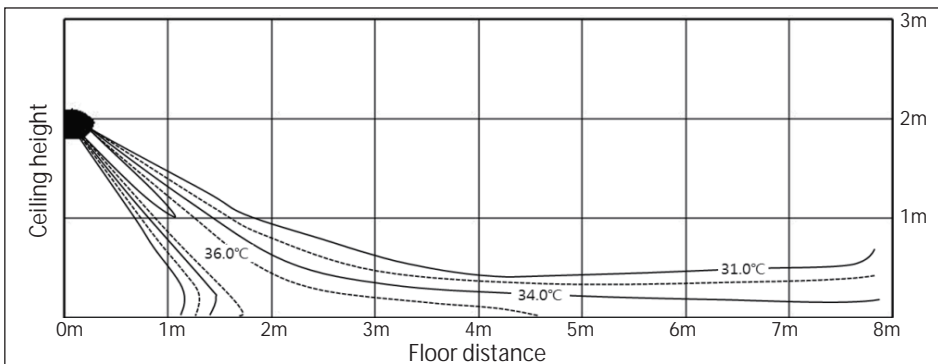
(3) Heating air velocity distribution

Discharge angle : 46°



(4) Heating temperature distribution

Discharge angle : 46°

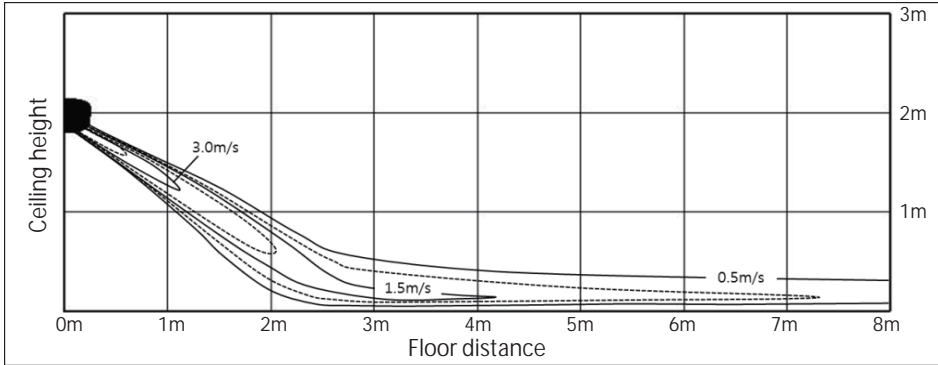


18-6. Temperature and air flow distribution

AM082JNVDEH/TK

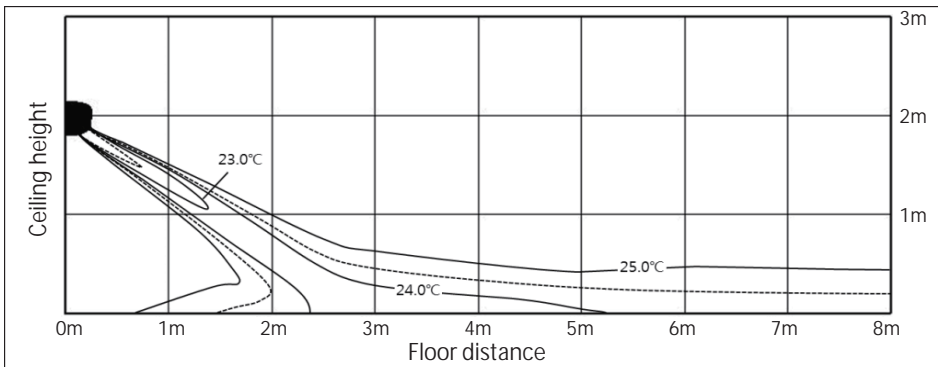
(1) Cooling air velocity distribution

Discharge angle : 32°



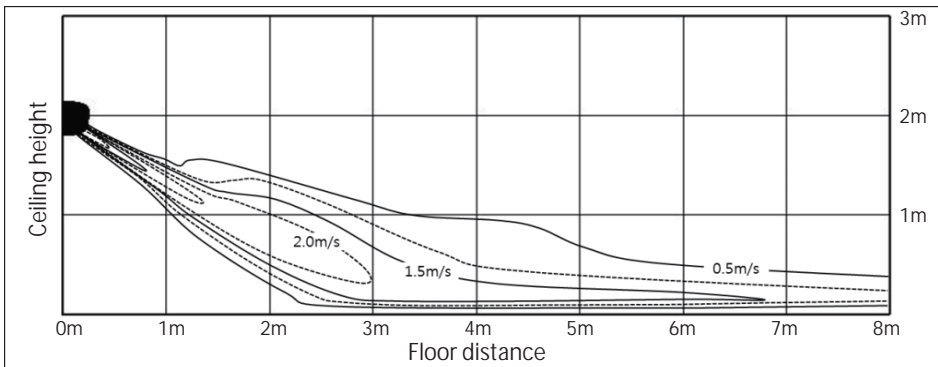
(2) Cooling temperature distribution

Discharge angle : 32°



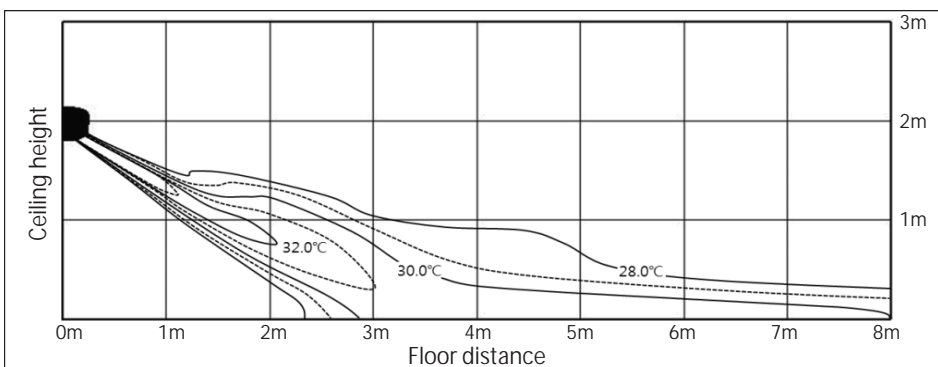
(3) Heating air velocity distribution

Discharge angle : 32°



(4) Heating temperature distribution

Discharge angle : 32°



19 Boracay

- 19-1. Specifications
- 19-2. Summary Table
- 19-3. Capacity tables
- 19-4. Dimensional Drawing
- 19-5. Center of Gravity
- 19-6. Electrical Wiring Diagram
- 19-7. Sound Pressure Level
- 19-8. Temperature and Air Flow Distribution
- 19-9. Piping Diagram

19-1. Specifications

Type				WALL MOUNTED	WALL MOUNTED	WALL MOUNTED
Model CODE				AM022KNTDEH/TR	AM028KNTDEH/TR	AM036KNTDEH/TR
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode				HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	Capacity (Nominal)	Cooling (T1/T3)	kW	2.2/1.9	2.8/2.4	3.6/3.1
			Btu/h	7,500/6,500	9,600/8,200	12,300/10,600
	Heating	kW	2.5	3.2	4.0	
		Btu/h	8,500	10,900	13,600	
Power	Power Input (Nominal)	Cooling	W	32.0	38.0	42.0
		Heating		35.0	39.0	42.0
	Current Input (Nominal)	Cooling	A	0.20	0.22	0.23
		Heating		0.20	0.22	0.23
	MCA			0.3	0.4	0.4
	MFA			15.0	15.0	15.0
Type		-		Fin & Tube	Fin & Tube	Fin & Tube
Material	Fin	-		Al	Al	Al
	Tube	-	Cu	Cu	Cu	
Fin Treatment			-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Fan	Type		-	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Quantity		ea	1	1	1
	Air Flow Rate	H/M/L (UL)	CMM	6.6/5.7/5.1	7.0/6.2/5.5	8.5/7.5/6.6
			l/s	110.0/95.0/85.0	116.7/103.3/91.7	141.7/125.0/110.0
	External Pressure	Min/Std/Max	mmAq	-	-	-
			Pa	-	-	-
Fan motor	Type		-	SSR Feedback	SSR Feedback	SSR Feedback
	Output x n		-	19W x 1	19W x 1	19W x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
			Ø, mm	6.35	6.35	6.35
			Ø, inch	1/4"	1/4"	1/4"
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection
			Ø, mm	12.7	12.7	12.7
	Ø, inch		1/2"	1/2"	1/2"	
Drain Pipe		Ø, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	
Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
Field Wiring	Power Source Wire	Minimum	mm2	1.5	1.5	1.5
	For connection with indoor	Minimum	mm2	0.75	0.75	0.75
		Remark	-	F1,F2	F1,F2	F1,F2
Refrigerant	Type		-	R410A	R410A	R410A
	Control Method		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	High /Mid /Low	dB(A)	31/28/25	31/29/26	36/33/29
	Sound Power	Cooling		48	48	51
Dimensions	Net Weight		kg	8.0	8.5	8.5
	Shipping Weight		kg	9.5	10.0	10.0
	Net Dimensions (W×H×D)		mm	820 x 285 x 227	820 x 285 x 227	820 x 285 x 227
	Shipping Dimensions (W×H×D)		mm	880 x 280 x 363	880 x 280 x 363	880 x 280 x 363

NOTE

- Mode : HP(Heat Pump), HR(Heat Recovery)
- Nominal Cooling : Indoor temperature 27°CDB / 19°CWB, Outdoor temperature 35°CDB / 24°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- Nominal Heating : Indoor temperature 20°CDB / 15°CWB, Outdoor temperature 7°CDB / 6°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- These products contain R410A which is fluorinated greenhouse gas.
- Specifications may be subject to change without prior notice.
- Select wire size based on the value of MCA

19-1. Specifications

Type				WALL MOUNTED	WALL MOUNTED	WALL MOUNTED
Model CODE				AM045KNTDEH/TR	AM056KNTDEH/TR	AM071KNTDEH/TR
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode				HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	Capacity (Nominal)	Cooling (T1/T3)	kW	4.5/4.0	5.6/5.0	6.8/6.0
			Btu/h	15,400/13,600	19,100/17,100	23,200/20,500
		Heating	kW	5.0	6.3	7.0
			Btu/h	17,100	21,500	23,900
Power	Power Input (Nominal)	Cooling	W	47.0	48.0	51.0
		Heating		47.0	48.0	53.0
	Current Input (Nominal)	Cooling	A	0.27	0.27	0.28
		Heating		0.27	0.27	0.28
	MCA			0.4	0.4	0.4
	MFA			15.0	15.0	15.0
Type		-		Fin & Tube	Fin & Tube	Fin & Tube
Heat exchanger	Material	Fin		-	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Fan	Type		-	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Quantity		ea	1	1	1
	Air Flow Rate	H/M/L (UL)	CMM	13.9/12.4/11.2	14.4/12.9/11.2	15.7/14.1/12.9
			l/s	231.7/206.7/186.7	240.0/215.0/186.7	261.7/235.0/215.0
	External Pressure	Min/Std/Max	mmAq	-	-	-
			Pa	-	-	-
Fan motor	Type		-	SSR Feedback	SSR Feedback	SSR Feedback
	Output x n		-	28W x 1	28W x 1	28W x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
			Ø, mm	6.35	6.35	9.52
			Ø, inch	1/4"	1/4"	3/8"
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection
			Ø, mm	12.7	12.7	15.88
			Ø, inch	1/2"	1/2"	5/8"
	Drain Pipe		Ø, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE
Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes	
Field Wiring	Power Source Wire	Minimum	mm2	1.5	1.5	1.5
	For connection with indoor	Minimum	mm2	0.75	0.75	0.75
		Remark	-	F1,F2	F1,F2	F1,F2
Refrigerant	Type		-	R410A	R410A	R410A
	Control Method		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	High /Mid /Low	dB(A)	38/35/33	39/36/33	40/38/35
	Sound Power	Cooling		53	53	55
Dimensions	Net Weight		kg	12.0	12.0	12.0
	Shipping Weight		kg	14.0	14.0	14.0
	Net Dimensions (W×H×D)		mm	1065 x 298 x 243	1065 x 298 x 243	1065 x 298 x 243
	Shipping Dimensions (W×H×D)		mm	1128 x 299 x 378	1128 x 299 x 378	1128 x 299 x 378

NOTE

- Mode : HP(Heat Pump), HR(Heat Recovery)
- Nominal Cooling : Indoor temperature 27°CDB / 19°CWB, Outdoor temperature 35°CDB / 24°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- Nominal Heating : Indoor temperature 20°CDB / 15°CWB, Outdoor temperature 7°CDB / 6°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- These products contain R410A which is fluorinated greenhouse gas.
- Specifications may be subject to change without prior notice.
- Select wire size based on the value of MCA

19-1. Specifications

Type				WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	
Model CODE				AM022KNQDEH/TR	AM028KNQDEH/TR	AM036KNQDEH/TR	
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
Mode				-	HEAT PUMP	HEAT PUMP	
Performance	Capacity (Nominal)	Cooling (T1/T3)	kW	2.2/1.9	2.8/2.4	3.6/3.1	
			Btu/h	7,500/6,500	9,600/8,200	12,300/10,600	
		Heating	kW	2.5	3.2	4.0	
			Btu/h	8,500	10,900	13,600	
Power	Power Input (Nominal)	Cooling	W	32.0	38.0	42.0	
		Heating		35.0	39.0	42.0	
	Current Input (Nominal)	Cooling	A	0.20	0.22	0.23	
		Heating		0.20	0.22	0.23	
	MCA			0.3	0.4	0.4	
	MFA			15.0	15.0	15.0	
Heat exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin		-	Al	Al	Al
		Tube	-	Cu	Cu	Cu	
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	
Fan	Type		-	Crossflow Fan	Crossflow Fan	Crossflow Fan	
	Quantity		ea	1	1	1	
	Air Flow Rate	H/M/L (UL)	CMM	6.6/5.7/5.1	7.0/6.2/5.5	8.5/7.5/6.6	
			l/s	110.0/95.0/85.0	116.7/103.3/91.7	141.7/125.0/110.0	
	External Pressure	Min/Std/Max	mmAq	-	-	-	
Pa			-	-	-		
Fan motor	Type		-	SSR Feedback	SSR Feedback	SSR Feedback	
	Output x n		-	19W x 1	19W x 1	19W x 1	
Piping Connections	Liquid Pipe	Type		Flare connection	Flare connection	Flare connection	
		Ø, mm		6.35	6.35	6.35	
		Ø, inch		1/4"	1/4"	1/4"	
	Gas Pipe	Type		Flare connection	Flare connection	Flare connection	
		Ø, mm		12.7	12.7	12.7	
		Ø, inch		1/2"	1/2"	1/2"	
	Drain Pipe		Ø, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	
Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes		
Field Wiring	Power Source Wire	Minimum	mm2	1.5	1.5	1.5	
		For connection with indoor	Minimum	mm2	0.75	0.75	0.75
			Remark	-	F1,F2	F1,F2	
Refrigerant	Type		-	R410A	R410A	R410A	
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	
Sound	Sound Pressure	High /Mid /Low	dB(A)	31/28/25	31/29/26	36/33/29	
	Sound Power	Cooling		48	48	51	
Dimensions	Net Weight		kg	8.5	9.0	9.0	
	Shipping Weight		kg	10.0	10.5	10.5	
	Net Dimensions (W×H×D)		mm	820 x 285 x 227	820 x 285 x 227	820 x 285 x 227	
	Shipping Dimensions (W×H×D)		mm	880 x 280 x 363	880 x 280 x 363	880 x 280 x 363	

NOTE

- Mode : HP(Heat Pump), HR(Heat Recovery)
- Nominal Cooling : Indoor temperature 27°CDB / 19°CWB, Outdoor temperature 35°CDB / 24°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- Nominal Heating : Indoor temperature 20°CDB / 15°CWB, Outdoor temperature 7°CDB / 6°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- These products contain R410A which is fluorinated greenhouse gas.
- Specifications may be subject to change without prior notice.
- Select wire size based on the value of MCA

19-1. Specifications

Type				WALL MOUNTED	WALL MOUNTED	WALL MOUNTED
Model CODE				AM045KNQDEH/TR	AM056KNQDEH/TR	AM071KNQDEH/TR
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode				-	HEAT PUMP	HEAT PUMP
Performance	Capacity (Nominal)	Cooling (T1/T3)	kW	4.5/4.0	5.6/5.0	6.8/6.0
			Btu/h	15,400/13,600	19,100/17,100	23,200/20,500
	Heating	kW	5.0	6.3	7.0	
		Btu/h	17,100	21,500	23,900	
Power	Power Input (Nominal)	Cooling	W	47.0	48.0	51.0
		Heating		47.0	48.0	53.0
	Current Input (Nominal)	Cooling	A	0.27	0.27	0.28
		Heating		0.27	0.27	0.28
	MCA			0.4	0.4	0.4
MFA		15.0		15.0	15.0	
Heat exchanger				-	Fin & Tube	Fin & Tube
Material	Fin	Tube	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
Fin Treatment			-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Fan	Type		-	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Quantity		ea	1	1	1
	Air Flow Rate	H/M/L (UL)	CMM	13.9/12.4/11.2	14.4/12.9/11.2	15.7/14.1/12.9
			l/s	231.7/206.7/186.7	240.0/215.0/186.7	261.7/235.0/215.0
	External Pressure	Min/Std/Max	mmAq	-	-	-
Pa			-	-	-	
Fan motor				-	SSR Feedback	SSR Feedback
Output x n			-	28W x 1	28W x 1	28W x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
			Ø, mm	6.35	6.35	9.52
			Ø, inch	1/4"	1/4"	3/8"
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection
			Ø, mm	12.7	12.7	15.88
	Drain Pipe		Ø, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE
Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
Field Wiring	Power Source Wire	Minimum	mm2	1.5	1.5	1.5
		For connection with indoor	Minimum	mm2	0.75	0.75
	Remark		-	F1,F2	F1,F2	F1,F2
Refrigerant				-	R410A	R410A
Control Method			-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High /Mid /Low	dB(A)	38/35/33	39/36/33	40/38/35
	Sound Power	Cooling		53	53	55
Dimensions	Net Weight		kg	12.5	12.5	12.5
	Shipping Weight		kg	14.5	14.5	14.5
	Net Dimensions (W×H×D)		mm	1065 x 298 x 243	1065 x 298 x 243	1065 x 298 x 243
	Shipping Dimensions (W×H×D)		mm	1128 x 299 x 378	1128 x 299 x 378	1128 x 299 x 378

NOTE

- Mode : HP(Heat Pump), HR(Heat Recovery)
- Nominal Cooling : Indoor temperature 27°CDB / 19°CWB, Outdoor temperature 35°CDB / 24°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- Nominal Heating : Indoor temperature 20°CDB / 15°CWB, Outdoor temperature 7°CDB / 6°CWB, Refrigerant pipe length 7.5m, Level difference 0m.
- Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- These products contain R410A which is fluorinated greenhouse gas.
- Specifications may be subject to change without prior notice.
- Select wire size based on the value of MCA

19-2. Summary Table

Performance Characteristics

Model Code	Net Weight (kg)	Fan Speed	Nominal Capacity			Airflow (CMM)	Sound Pressure (dBA)	Sound Power (dBA)
			Cooling (kW)	Sensible (Kw)	Heating (kW)			
AM022KNTDEH/TR (AM022KNQDEH/TR)	8.0 (8.5)	High	2.2	1.5	2.5	6.6	31	48
		Mid	1.6	1.4	2.3	5.7	28	-
		Low	1.3	1.2	2.2	5.1	25	-
AM028KNTDEH/TR (AM028KNQDEH/TR)	8.5 (9.0)	High	2.8	1.9	3.2	7.0	31	48
		Mid	2.1	1.7	3.0	6.2	29	-
		Low	1.7	1.5	2.8	5.5	26	-
AM036KNTDEH/TR (AM036KNQDEH/TR)	8.5 (9.0)	High	3.6	2.4	4.0	8.5	36	51
		Mid	2.6	2.2	3.8	7.5	33	-
		Low	2.1	1.8	3.5	6.6	29	-
AM045KNTDEH/TR (AM045KNQDEH/TR)	12.0 (12.5)	High	4.5	3.1	5.0	13.9	38	53
		Mid	3.2	2.7	4.7	12.4	35	-
		Low	2.6	2.1	4.5	11.2	33	-
AM056KNTDEH/TR (AM056KNQDEH/TR)	12.0 (12.5)	High	5.6	3.8	6.3	14.4	39	53
		Mid	4.0	3.3	6.0	12.9	36	-
		Low	3.1	2.7	5.6	11.2	33	-
AM071KNTDEH/TR (AM071KNQDEH/TR)	12.0 (12.5)	High	6.8	4.6	7.0	15.7	40	55
		Mid	4.7	4.0	6.6	14.1	38	-
		Low	3.7	2.9	6.3	12.9	35	-

Electrical Characteristics

Model Code	Power Supply (Ø, #, V, Hz)	Power Input (W) (C / H)	Current Input (A) (C / H)	MCA (A)	MFA (A)	FLA (A)
AM022KN*DEH/TR	1Ø/220~240V/50Hz	32/35	0.20/0.20	0.3	15	0.22
AM028KN*DEH/TR	1Ø/220~240V/50Hz	38/39	0.22/0.22	0.4	15	0.25
AM036KN*DEH/TR	1Ø/220~240V/50Hz	42/42	0.23/0.23	0.4	15	0.25
AM045KN*DEH/TR	1Ø/220~240V/50Hz	47/47	0.27/0.27	0.4	15	0.30
AM056KN*DEH/TR	1Ø/220~240V/50Hz	48/48	0.27/0.27	0.4	15	0.30
AM071KN*DEH/TR	1Ø/220~240V/50Hz	51/53	0.28/0.28	0.4	15	0.30

NOTE

- MCA : Minimum circuit amperes
- MFA : Maximum fuse amperes
- Select wire size based on the value of MCA

19-3. Capacity tables

Cooling

TC: Total Capacity, SHC: Sensible Heat Capacity

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.20	10	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.50	1.60	2.60	1.40
	12	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.50	1.60	2.60	1.40
	14	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.50	1.60	2.60	1.40
	16	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40
	18	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40
	20	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40
	21	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40
	23	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40
	25	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40
	27	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40
	29	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40
	31	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40
	33	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40
	35	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40
37	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40	
39	1.50	1.30	1.80	1.50	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.50	1.30	
2.80	10	1.90	1.60	2.30	1.80	2.60	2.00	2.80	1.90	2.90	1.90	3.10	1.90	3.40	1.90
	12	1.90	1.60	2.30	1.80	2.60	2.00	2.80	1.90	2.90	1.90	3.10	1.90	3.30	1.80
	14	1.90	1.60	2.30	1.80	2.60	2.00	2.80	1.90	2.90	1.90	3.10	1.90	3.30	1.80
	16	1.90	1.60	2.30	1.80	2.60	2.00	2.80	1.90	2.90	1.90	3.10	1.90	3.30	1.80
	18	1.90	1.60	2.30	1.80	2.60	2.00	2.80	1.90	2.90	1.90	3.10	1.90	3.30	1.80
	20	1.90	1.60	2.30	1.80	2.60	2.00	2.80	1.90	2.90	1.90	3.10	1.90	3.30	1.80
	21	1.90	1.60	2.30	1.80	2.60	2.00	2.80	1.90	2.90	1.90	3.10	1.90	3.30	1.80
	23	1.90	1.60	2.30	1.80	2.60	2.00	2.80	1.90	2.90	1.90	3.10	1.90	3.30	1.80
	25	1.90	1.60	2.30	1.80	2.60	2.00	2.80	1.90	2.90	1.90	3.10	1.90	3.30	1.80
	27	1.90	1.60	2.30	1.80	2.60	2.00	2.80	1.90	2.90	1.90	3.10	1.90	3.30	1.80
	29	1.90	1.60	2.30	1.80	2.60	2.00	2.80	1.90	2.90	1.90	3.10	1.90	3.30	1.80
	31	1.90	1.60	2.30	1.80	2.60	2.00	2.80	1.90	2.90	1.90	3.10	1.90	3.30	1.80
	33	1.90	1.60	2.30	1.80	2.60	2.00	2.80	1.90	2.90	1.90	3.10	1.90	3.30	1.80
	35	1.90	1.60	2.30	1.80	2.60	2.00	2.80	1.90	2.90	1.90	3.10	1.90	3.30	1.80
37	1.90	1.60	2.30	1.80	2.60	2.00	2.80	1.90	2.90	1.90	3.10	1.90	3.30	1.80	
39	1.90	1.60	2.30	1.80	2.60	2.00	2.80	1.90	2.90	1.90	3.00	1.80	3.20	1.70	
3.60	10	2.50	2.10	2.90	2.20	3.40	2.30	3.60	2.40	3.70	2.40	4.00	2.40	4.30	2.30
	12	2.50	2.10	2.90	2.20	3.40	2.30	3.60	2.40	3.70	2.40	4.00	2.40	4.30	2.30
	14	2.50	2.10	2.90	2.20	3.40	2.30	3.60	2.40	3.70	2.40	4.00	2.40	4.30	2.30
	16	2.50	2.10	2.90	2.20	3.40	2.30	3.60	2.40	3.70	2.40	4.00	2.40	4.30	2.30
	18	2.50	2.10	2.90	2.20	3.40	2.30	3.60	2.40	3.70	2.40	4.00	2.40	4.30	2.30
	20	2.50	2.10	2.90	2.20	3.40	2.30	3.60	2.40	3.70	2.40	4.00	2.40	4.20	2.30
	21	2.50	2.10	2.90	2.20	3.40	2.30	3.60	2.40	3.70	2.40	4.00	2.40	4.20	2.30
	23	2.50	2.10	2.90	2.20	3.40	2.30	3.60	2.40	3.70	2.40	4.00	2.40	4.20	2.30
	25	2.50	2.10	2.90	2.20	3.40	2.30	3.60	2.40	3.70	2.40	4.00	2.40	4.20	2.30
	27	2.50	2.10	2.90	2.20	3.40	2.30	3.60	2.40	3.70	2.40	4.00	2.40	4.20	2.30
	29	2.50	2.10	2.90	2.20	3.40	2.30	3.60	2.40	3.70	2.40	4.00	2.40	4.20	2.30
	31	2.50	2.10	2.90	2.20	3.40	2.30	3.60	2.40	3.70	2.40	4.00	2.40	4.20	2.30
	33	2.50	2.10	2.90	2.20	3.40	2.30	3.60	2.40	3.70	2.40	4.00	2.40	4.20	2.30
	35	2.50	2.10	2.90	2.20	3.40	2.30	3.60	2.40	3.70	2.40	4.00	2.40	4.20	2.30
37	2.50	2.10	2.90	2.20	3.40	2.30	3.60	2.40	3.70	2.40	3.90	2.30	4.20	2.30	
39	2.50	2.10	2.90	2.20	3.40	2.30	3.60	2.40	3.70	2.40	3.90	2.30	4.10	2.20	

19-3. Capacity tables

Cooling

TC: Total Capacity, SHC: Sensible Heat Capacity

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
4.50	10	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	5.06	3.13	5.38	2.89
	12	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	5.06	3.13	5.38	2.89
	14	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.38	2.89
	16	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
	18	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
	20	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
	21	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
	23	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
	25	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
	27	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
	29	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
	31	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
	33	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
	35	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.98	3.05	5.30	2.81
37	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.90	2.97	5.22	2.73	
39	3.13	2.41	3.70	2.73	4.26	2.97	4.50	3.05	4.66	3.05	4.90	2.97	5.14	2.65	
5.60	10	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.30	3.90	6.70	3.60
	12	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.30	3.90	6.70	3.60
	14	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.20	3.80	6.70	3.60
	16	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.20	3.80	6.60	3.50
	18	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.20	3.80	6.60	3.50
	20	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.20	3.80	6.60	3.50
	21	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.20	3.80	6.60	3.50
	23	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.20	3.80	6.60	3.50
	25	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.20	3.80	6.60	3.50
	27	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.20	3.80	6.60	3.50
	29	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.20	3.80	6.60	3.50
	31	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.20	3.80	6.60	3.50
	33	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.20	3.80	6.60	3.50
	35	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.20	3.80	6.60	3.50
37	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.10	3.70	6.50	3.40	
39	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.10	3.70	6.40	3.30	
7.10	10	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.10	4.60	7.60	4.60	8.20	4.40
	12	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.10	4.60	7.60	4.60	8.10	4.30
	14	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.10	4.60	7.60	4.60	8.10	4.30
	16	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.10	4.60	7.60	4.60	8.10	4.30
	18	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.50	4.50	8.00	4.20
	20	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.50	4.50	8.00	4.20
	21	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.50	4.50	8.00	4.20
	23	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.50	4.50	8.00	4.20
	25	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.50	4.50	8.00	4.20
	27	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.50	4.50	8.00	4.20
	29	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.50	4.50	8.00	4.20
	31	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.50	4.50	8.00	4.20
	33	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.50	4.50	8.00	4.20
	35	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.50	4.50	8.00	4.20
37	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.50	4.50	7.90	4.10	
39	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.40	4.40	7.70	4.00	

19-3. Capacity tables

Heating

TC: Total Capacity

Model	Outdoor temperature (°C)		Indoor temperature (°C, WB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC	TC	TC	TC	TC
2.20	-20	-21	1.50	1.50	1.50	1.50	1.50
	-17	-18	1.60	1.60	1.60	1.60	1.60
	-15	-16	1.70	1.60	1.60	1.60	1.60
	-12	-13	1.80	1.80	1.80	1.80	1.70
	-10	-11	2.00	2.00	1.90	1.90	1.90
	-7	-8	2.30	2.20	2.20	2.00	2.00
	-5	-6	2.40	2.30	2.30	2.20	2.20
	-3	-4	2.50	2.50	2.40	2.30	2.20
	0	-1	2.60	2.50	2.50	2.30	2.20
	3	2	2.70	2.60	2.50	2.30	2.20
	5	4	2.80	2.70	2.50	2.30	2.20
	7	6	2.80	2.70	2.50	2.30	2.20
	9	8	3.00	2.70	2.50	2.30	2.20
	11	10	3.00	2.70	2.50	2.30	2.20
13	12	3.00	2.70	2.50	2.30	2.20	
15	14	3.00	2.70	2.50	2.30	2.20	
2.80	-20	-21	1.90	1.90	1.90	1.90	1.90
	-17	-18	2.00	2.00	2.00	2.00	1.90
	-15	-16	2.10	2.10	2.00	2.00	1.90
	-12	-13	2.20	2.20	2.20	2.10	2.10
	-10	-11	2.30	2.30	2.30	2.30	2.20
	-7	-8	2.50	2.40	2.40	2.40	2.30
	-5	-6	2.60	2.60	2.50	2.50	2.40
	-3	-4	2.80	2.70	2.70	2.60	2.50
	0	-1	2.90	2.80	2.80	2.70	2.60
	3	2	3.00	3.00	2.90	2.80	2.70
	5	4	3.20	3.10	3.10	2.90	2.70
	7	6	3.30	3.20	3.20	3.00	2.70
	9	8	3.40	3.30	3.20	3.00	2.70
	11	10	3.50	3.30	3.20	3.00	2.70
13	12	3.60	3.40	3.20	3.00	2.70	
15	14	3.70	3.40	3.20	3.00	2.70	
3.60	-20	-21	2.40	2.40	2.30	2.30	2.30
	-17	-18	2.60	2.50	2.40	2.40	2.30
	-15	-16	2.70	2.60	2.50	2.50	2.40
	-12	-13	2.80	2.70	2.70	2.60	2.60
	-10	-11	2.90	2.90	2.90	2.80	2.80
	-7	-8	3.10	3.10	3.00	3.00	2.90
	-5	-6	3.30	3.20	3.20	3.10	3.00
	-3	-4	3.40	3.40	3.30	3.20	3.10
	0	-1	3.60	3.60	3.50	3.40	3.20
	3	2	3.80	3.70	3.70	3.50	3.40
	5	4	3.90	3.90	3.80	3.60	3.40
	7	6	4.10	4.10	4.00	3.70	3.40
	9	8	4.20	4.10	4.00	3.70	3.40
	11	10	4.40	4.20	4.00	3.70	3.40
13	12	4.50	4.20	4.00	3.70	3.40	
15	14	4.60	4.30	4.00	3.70	3.40	

19-3. Capacity tables

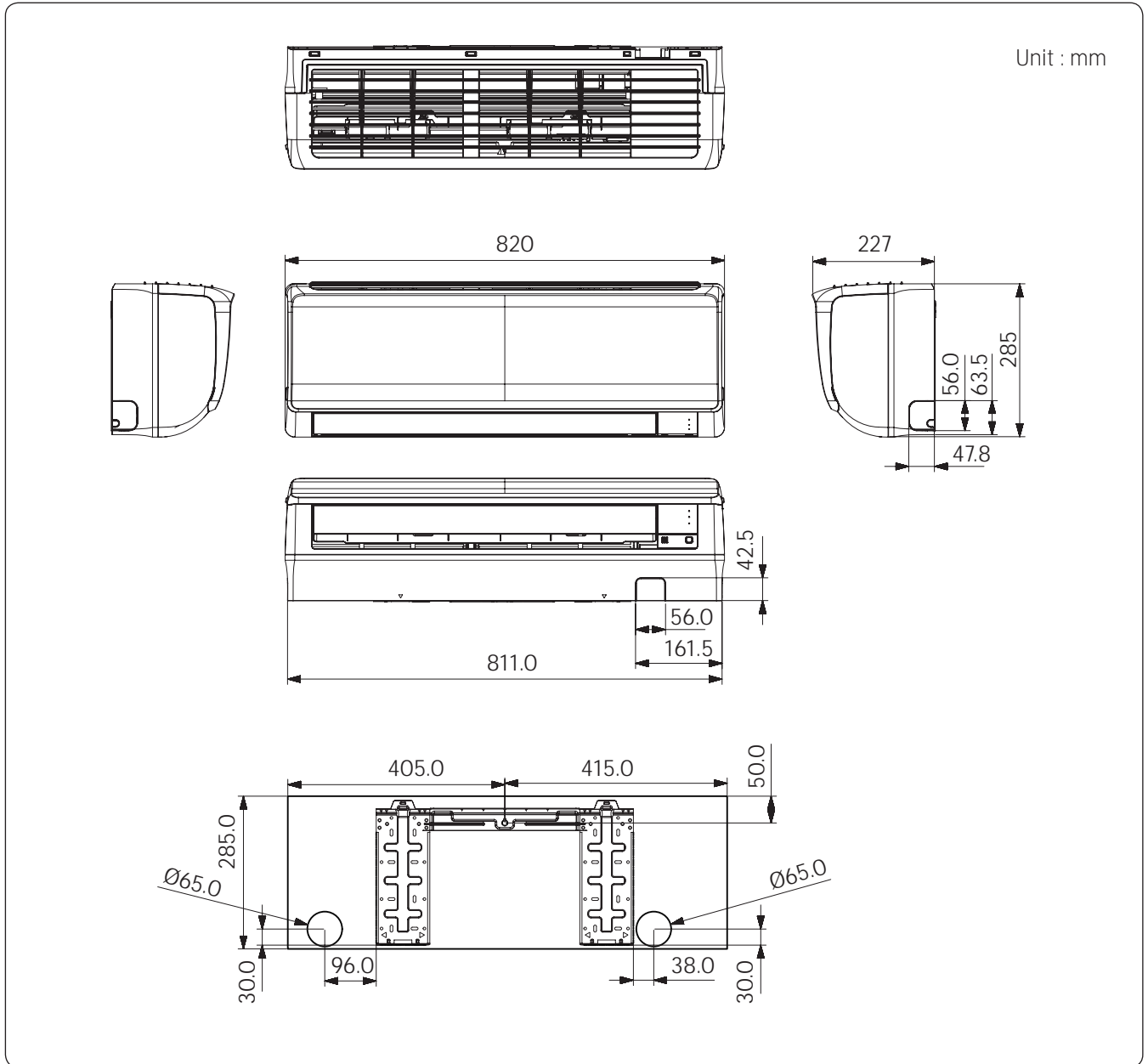
Heating

TC: Total Capacity

Model	Outdoor temperature (°C)		Indoor temperature (°C, WB)				
			16.0	18.0	20.0	22.0	24.0
			TC	TC	TC	TC	TC
	DB	WB	kW	kW	kW	kW	kW
4.50	-20	-21	3.10	3.02	3.02	2.94	2.94
	-17	-18	3.17	3.17	3.10	3.02	3.02
	-15	-16	3.33	3.25	3.17	3.10	3.02
	-12	-13	3.49	3.41	3.33	3.33	3.25
	-10	-11	3.65	3.65	3.57	3.49	3.49
	-7	-8	3.89	3.81	3.81	3.73	3.57
	-5	-6	4.13	4.05	3.97	3.89	3.73
	-3	-4	4.29	4.21	4.21	4.05	3.89
	0	-1	4.52	4.44	4.37	4.21	3.97
	3	2	4.68	4.68	4.60	4.44	4.21
	5	4	4.92	4.84	4.76	4.52	4.21
	7	6	5.16	5.08	5.00	4.60	4.21
	9	8	5.32	5.16	5.00	4.60	4.21
	11	10	5.48	5.24	5.00	4.60	4.21
	13	12	5.63	5.32	5.00	4.60	4.21
15	14	5.79	5.40	5.00	4.60	4.21	
5.60	-20	-21	3.90	3.80	3.80	3.70	3.70
	-17	-18	4.00	4.00	3.90	3.80	3.80
	-15	-16	4.20	4.10	4.00	3.90	3.80
	-12	-13	4.40	4.30	4.20	4.20	4.10
	-10	-11	4.60	4.60	4.50	4.40	4.40
	-7	-8	4.90	4.80	4.80	4.70	4.50
	-5	-6	5.20	5.10	5.00	4.90	4.70
	-3	-4	5.40	5.30	5.30	5.10	4.90
	0	-1	5.70	5.60	5.50	5.30	5.00
	3	2	5.90	5.90	5.80	5.60	5.30
	5	4	6.20	6.10	6.00	5.70	5.30
	7	6	6.50	6.40	6.30	5.80	5.30
	9	8	6.70	6.50	6.30	5.80	5.30
	11	10	6.90	6.60	6.30	5.80	5.30
	13	12	7.10	6.70	6.30	5.80	5.30
15	14	7.30	6.80	6.30	5.80	5.30	
7.10	-20	-21	4.40	4.30	4.20	4.20	4.20
	-17	-18	4.50	4.40	4.30	4.30	4.20
	-15	-16	4.70	4.60	4.40	4.30	4.20
	-12	-13	4.90	4.80	4.70	4.60	4.50
	-10	-11	5.10	5.10	5.00	4.90	4.90
	-7	-8	5.40	5.40	5.30	5.20	5.10
	-5	-6	5.70	5.60	5.60	5.40	5.20
	-3	-4	6.00	5.90	5.90	5.60	5.40
	0	-1	6.30	6.20	6.10	5.90	5.60
	3	2	6.60	6.50	6.40	6.20	5.90
	5	4	6.90	6.80	6.70	6.30	5.90
	7	6	7.20	7.10	7.00	6.50	5.90
	9	8	7.40	7.20	7.00	6.50	5.90
	11	10	7.60	7.30	7.00	6.50	5.90
	13	12	7.90	7.40	7.00	6.50	5.90
15	14	8.10	7.50	7.00	6.50	5.90	

19-4. Dimensional Drawing

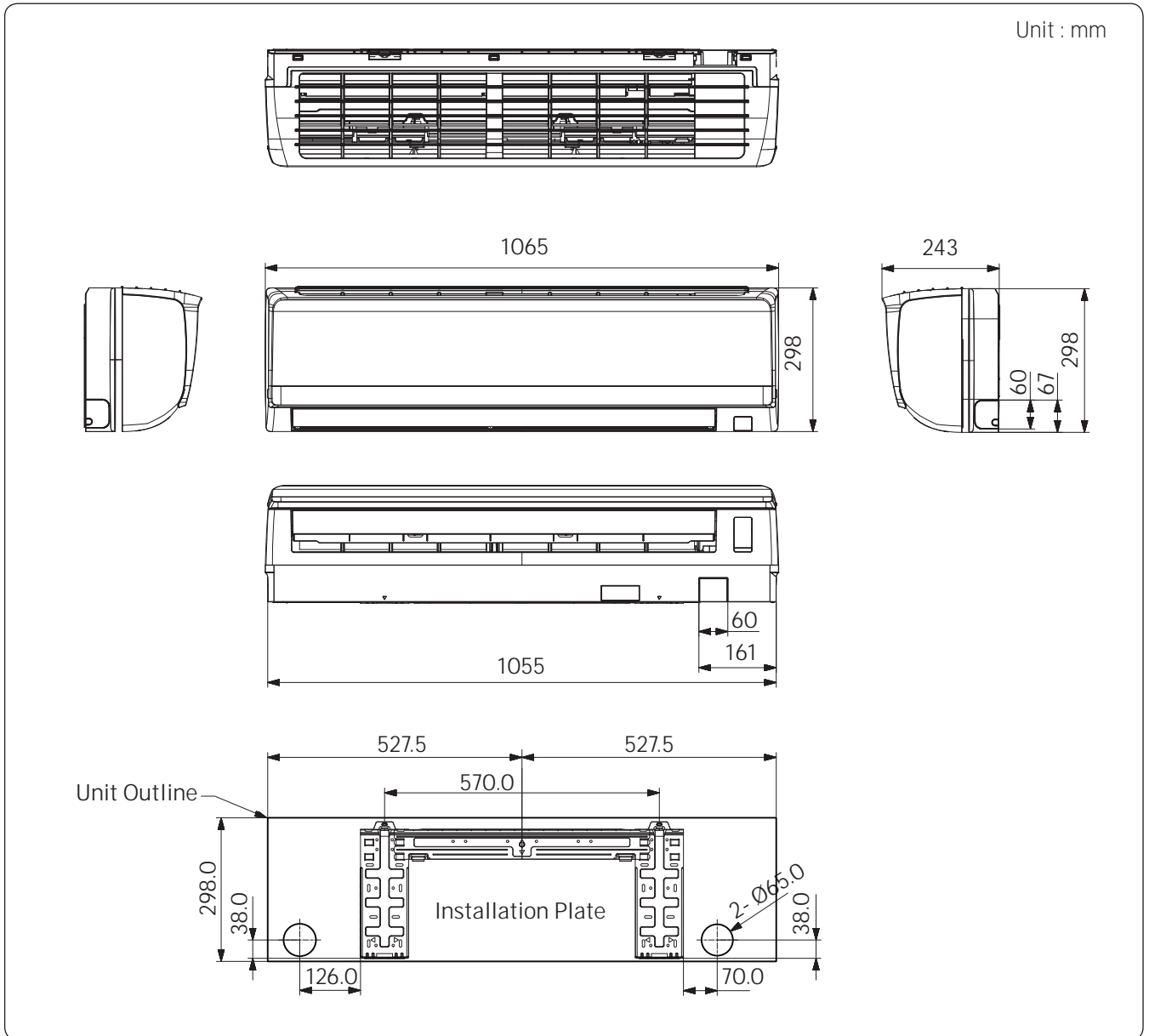
AM022/028/036KN*D*****



No.	Name	Description
1	Liquid pipe connection	Ø6.35 (Ø1/4)
2	Gas pipe connection	Ø12.7 (Ø1/2)
3	Drain pipe connection	ID18 HOSE
4	Power & Communication wiring conduit	

19-4. Dimensional Drawing

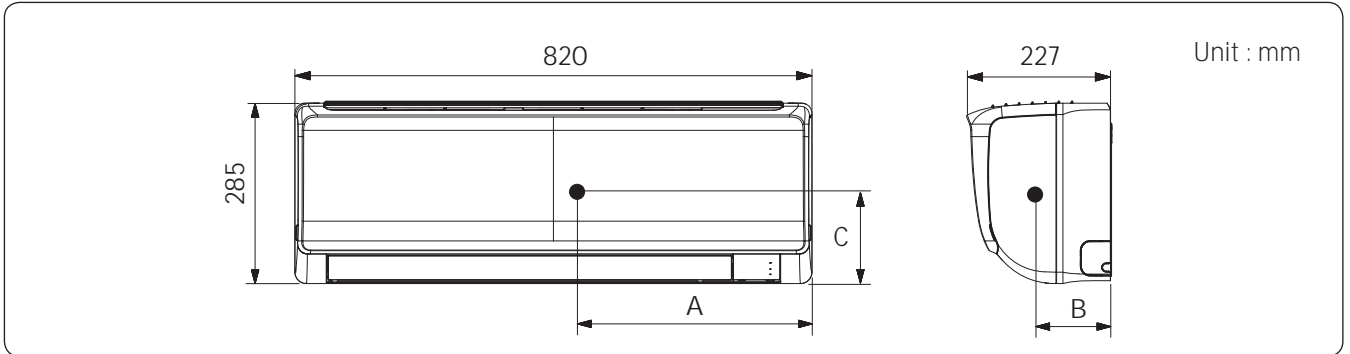
AM045/056/071KN*D****



No.	Name	Description	
		045 / 056	071
1	Liquid pipe connection	Ø6.35 (Ø1/4)	Ø9.52 (Ø3/8)
2	Gas pipe connection	Ø12.7 (Ø1/2)	Ø15.88 (Ø5/8)
3	Drain pipe connection	ID18 HOSE	
4	Power & Communication wiring conduit		

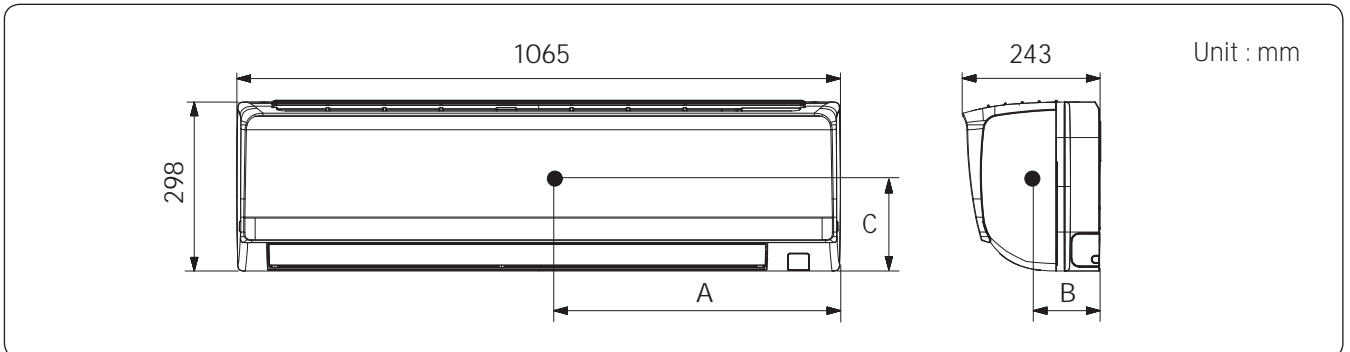
19-5. Center of Gravity

AM022/028/036KN*D*****



A	B	C
375	105	155

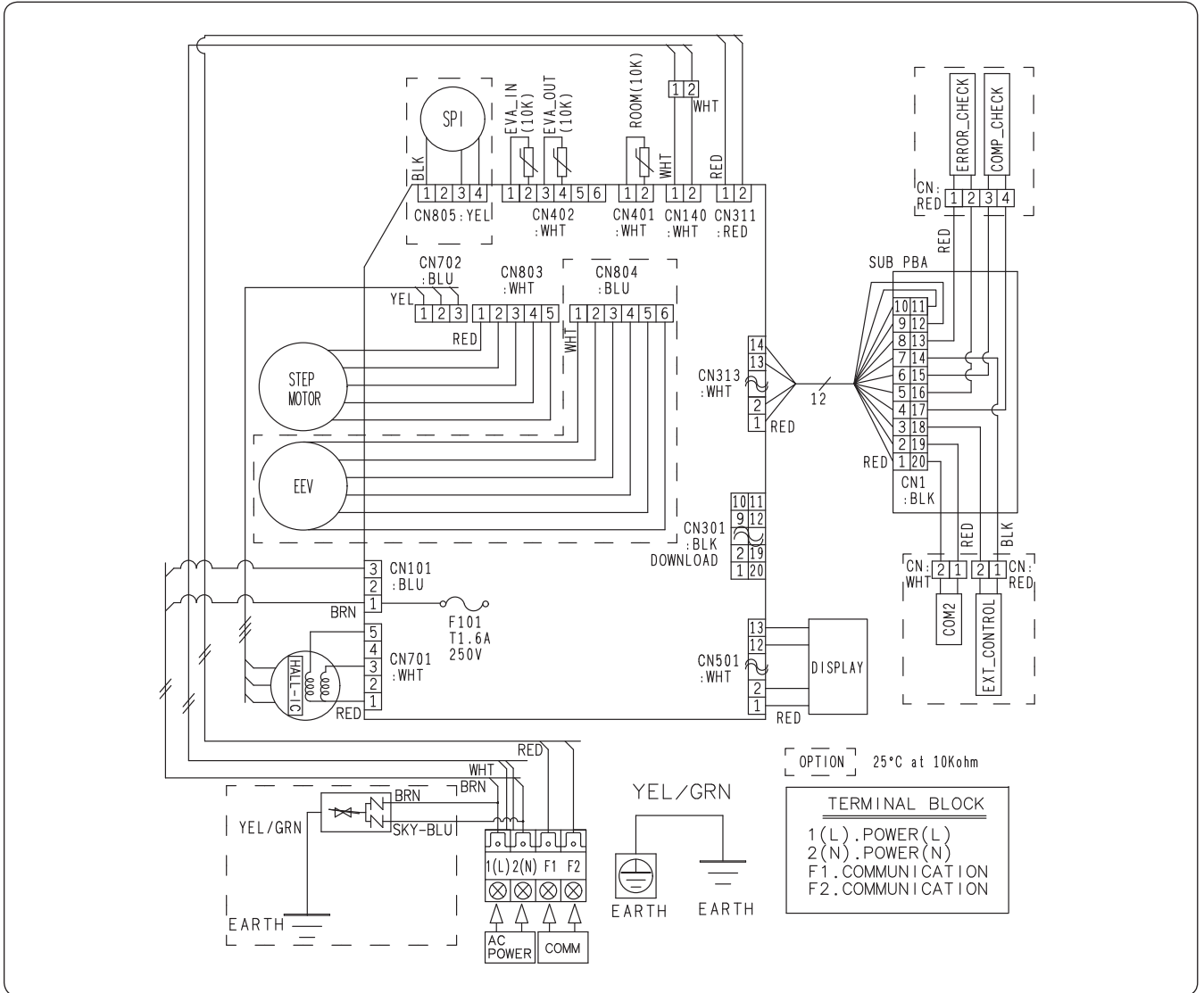
AM045/056/071KN*D*****



A	B	C
460	120	160


19-6. Electrical Wiring Diagram

AM***KN*D****



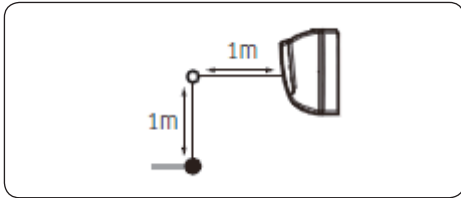
SUB PBA	Printed Circuit Board(SUB)	SPI	S-Plasma ion	EVA-OUT(10K)	Thermistor EVA OUT(10K)
[HALL IC]	Motor For FAN	ROOM(10K)	Thermistor ROOM In(10K)	EVA-IN(10K)	Thermistor EVA IN(10K)
EEV	electronic expansion valve				

NOTE

- This wiring diagram applies only to the Indoor unit.
- Symbols show as follow :
BLK: black, RED: red, BLU: blue, WHT: white, YEL: yellow, BRN: brown, sky: sky blue, GRN: green
- For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remote controller transmission F3-F4.
-  Protective earth(SCREW)

19-7. Sound Pressure Level

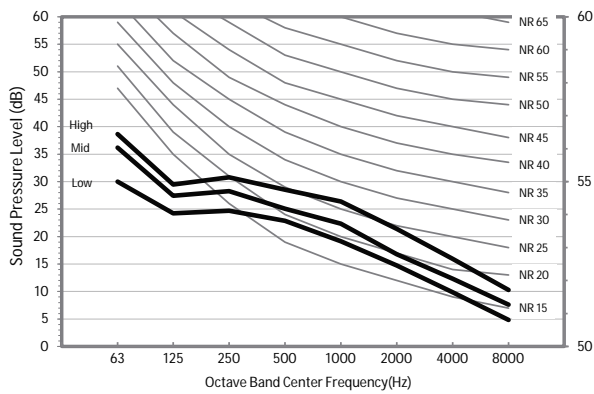
Unit: dB(A)



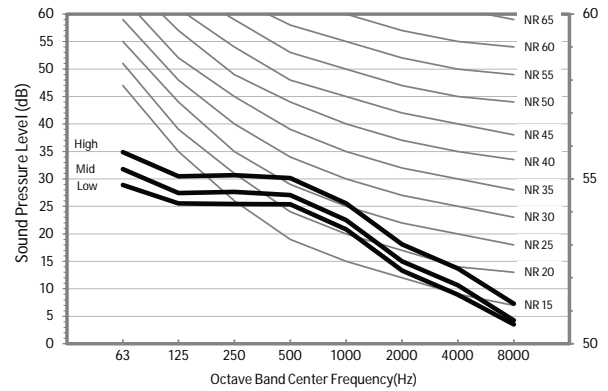
MODEL	Hi	MID	LOW
AM022KN*D*****	31	28	25
AM028KN*D*****	31	29	26
AM036KN*D*****	36	33	29
AM045KN*D*****	38	35	33

NR Curve

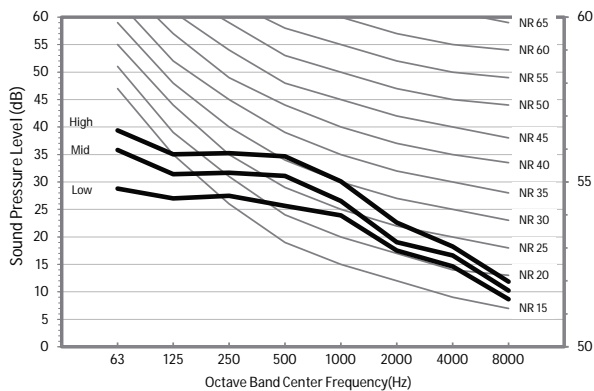
1) AM022KN*D*****



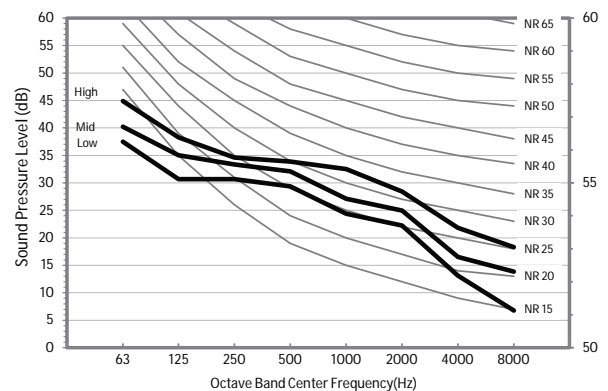
2) AM028KN*D*****



3) AM036KN*D*****



4) AM045KN*D*****

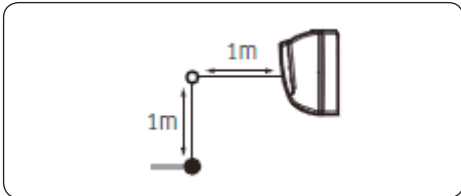


NOTE

- Specifications may be subject to change without prior notice
- Sound Pressure Level
 - Sound Pressure level is obtained in an anechoic room.
 - Sound Pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound Pressure level may differ depending on operation condition.
 - dBA = A-weighted sound power level.
 - Reference acoustic pressure 0 dB = 20μPa

19-7. Sound Pressure Level

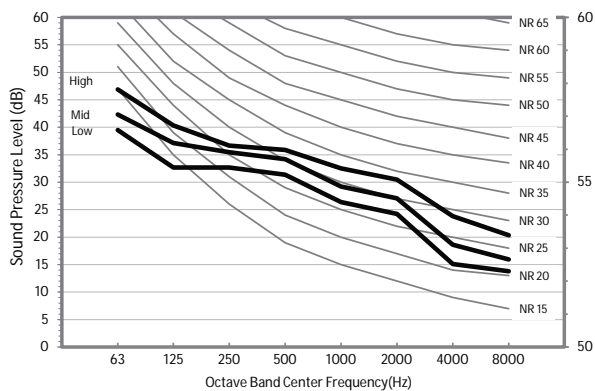
Unit: dB(A)



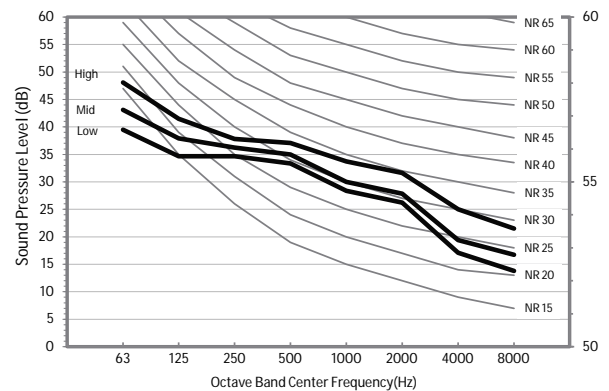
MODEL	Hi	MID	LOW
AM056KN*D*****	39	36	33
AM071KN*D*****	40	38	35

NR Curve

5) AM056KN*D*****



6) AM071KN*D*****



NOTE

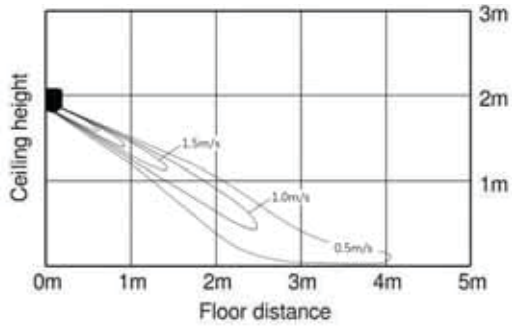
- Specifications may be subject to change without prior notice
- Sound Pressure Level
 - Sound Pressure level is obtained in an anechoic room.
 - Sound Pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound Pressure level may differ depending on operation condition.
 - dBA = A-weighted sound power level.
 - Reference acoustic pressure 0 dB = 20μPa

19-8. Temperature and Air Flow Distribution

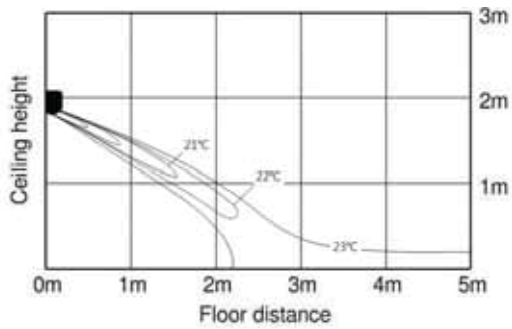
AM022KN*D*****

Discharge angle : 26°

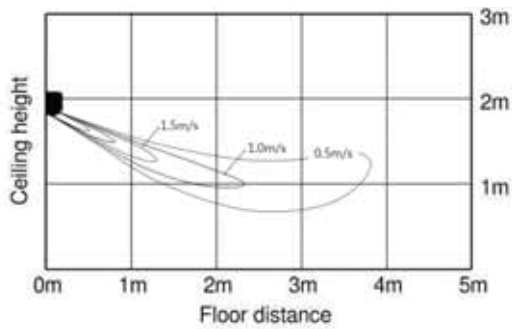
1) Cooling air velocity distribution



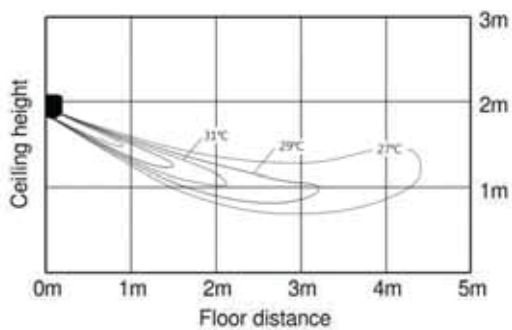
2) Cooling temperature distribution



3) Heating air velocity distribution



4) Heating temperature distribution

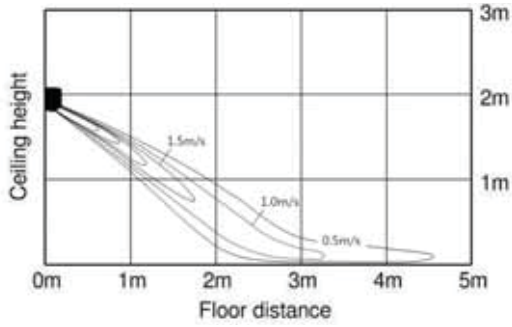


19-8. Temperature and Air Flow Distribution

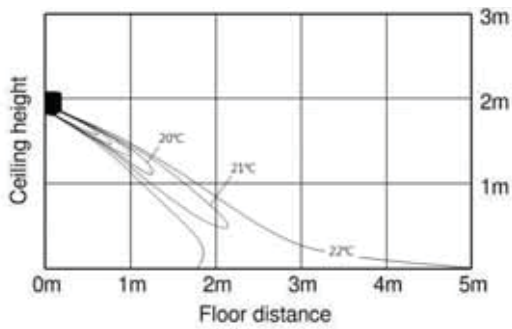
AM028KN*D*****

Discharge angle : 26°

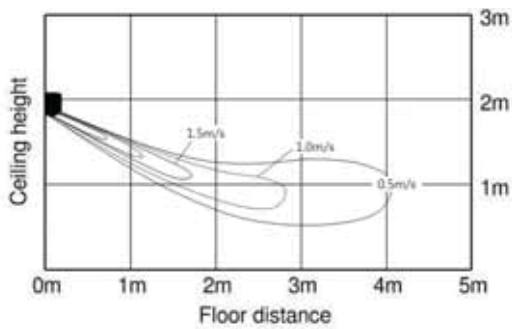
1) Cooling air velocity distribution



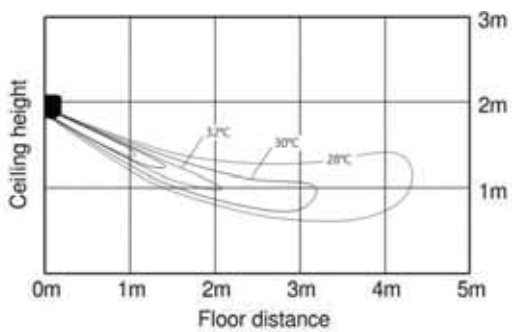
2) Cooling temperature distribution



3) Heating air velocity distribution



4) Heating temperature distribution

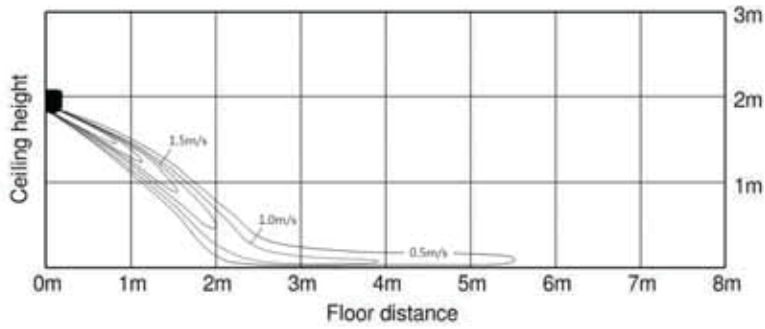


19-8. Temperature and Air Flow Distribution

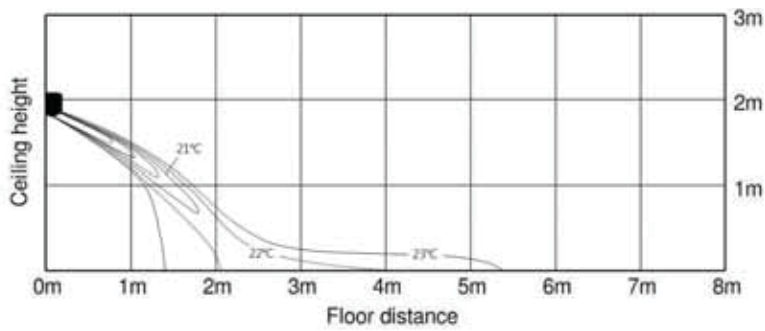
AM036KN*D*****

Discharge angle : 26°

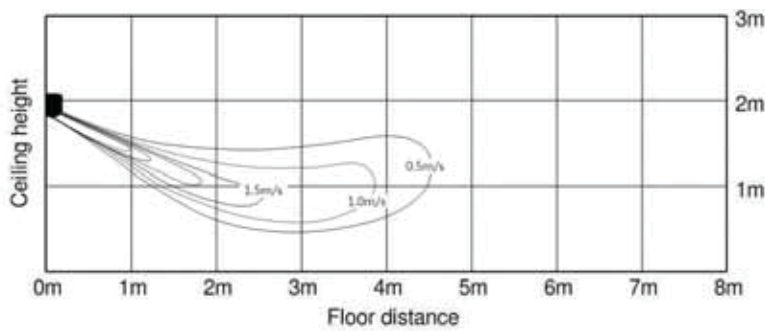
1) Cooling air velocity distribution



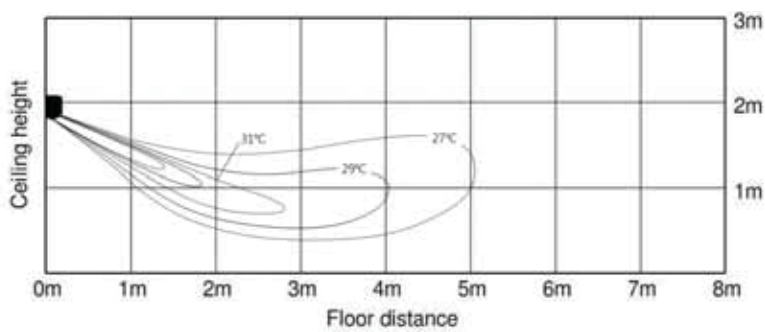
2) Cooling temperature distribution



3) Heating air velocity distribution



4) Heating temperature distribution

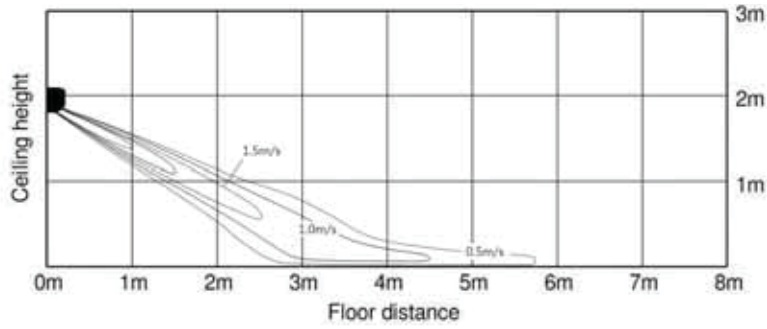


19-8. Temperature and Air Flow Distribution

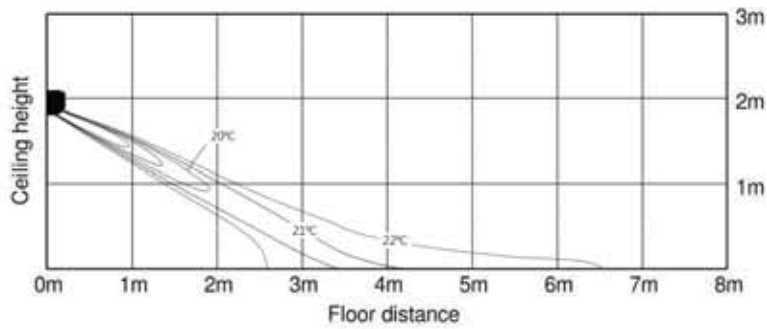
AM045KN*D*****

Discharge angle : 26°

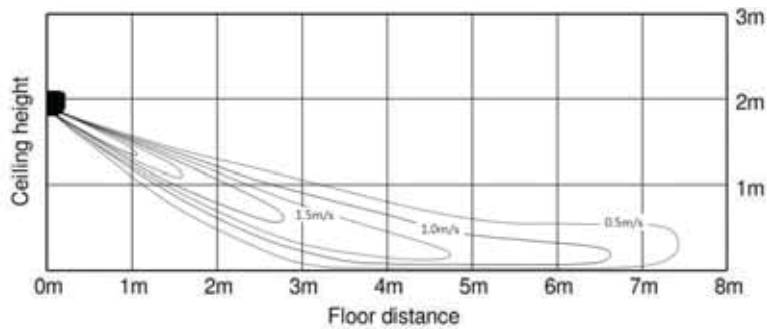
1) Cooling air velocity distribution



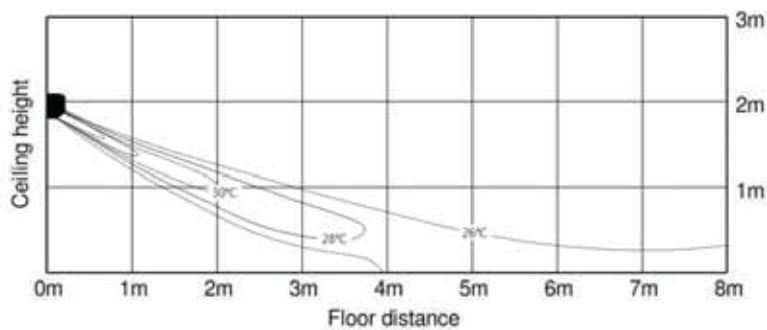
2) Cooling temperature distribution



3) Heating air velocity distribution



4) Heating temperature distribution

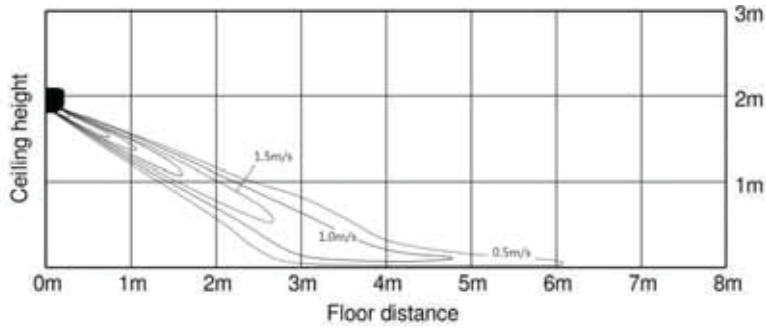


19-8. Temperature and Air Flow Distribution

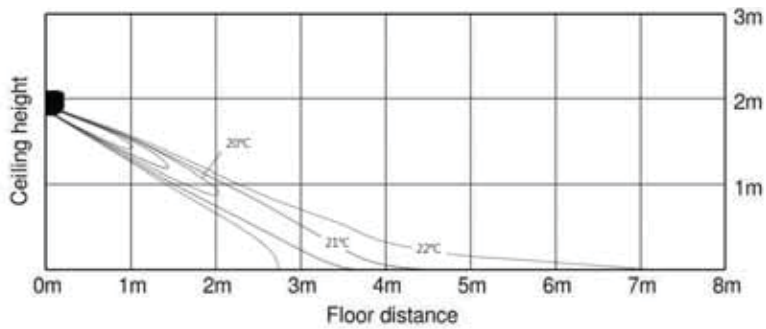
AM056KN*D*****

Discharge angle : 26°

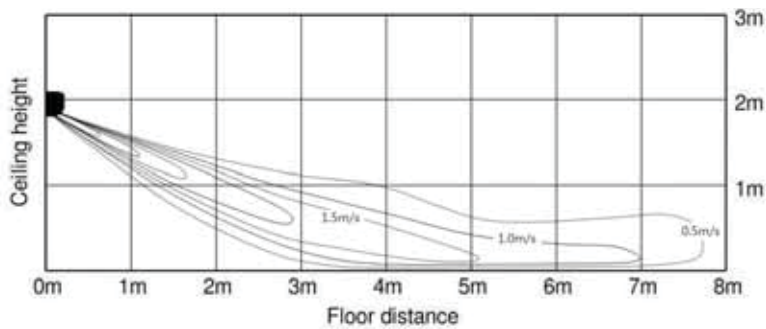
1) Cooling air velocity distribution



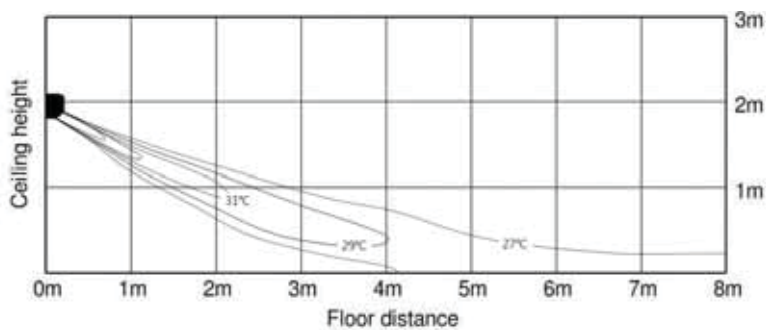
2) Cooling temperature distribution



3) Heating air velocity distribution



4) Heating temperature distribution

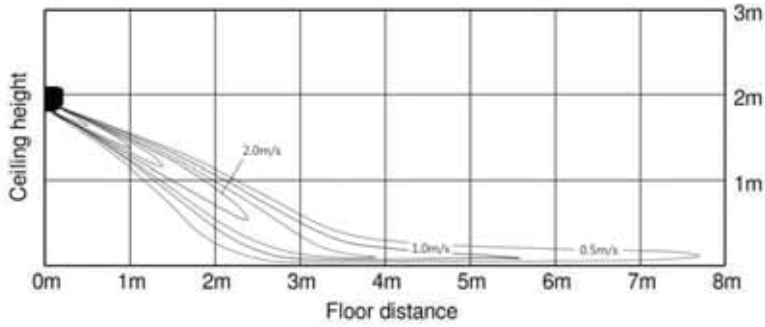


19-8. Temperature and Air Flow Distribution

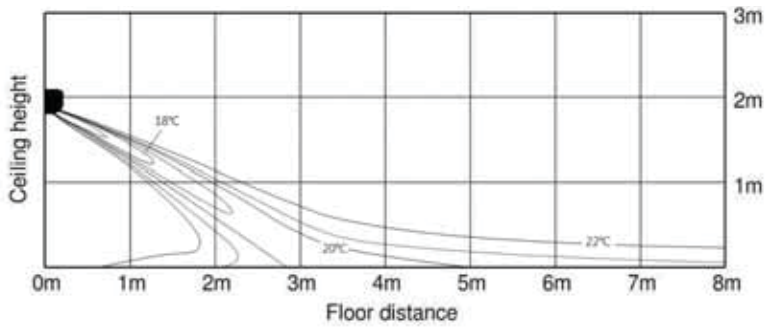
AM071KN*D*****

Discharge angle : 26°

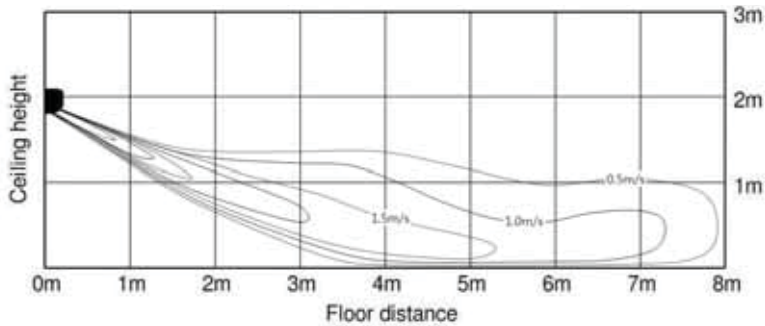
1) Cooling air velocity distribution



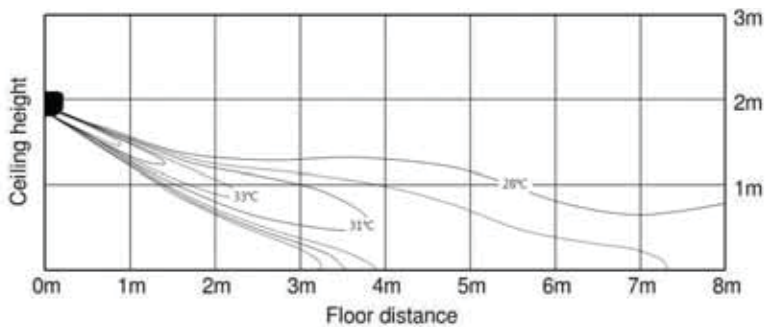
2) Cooling temperature distribution



3) Heating air velocity distribution

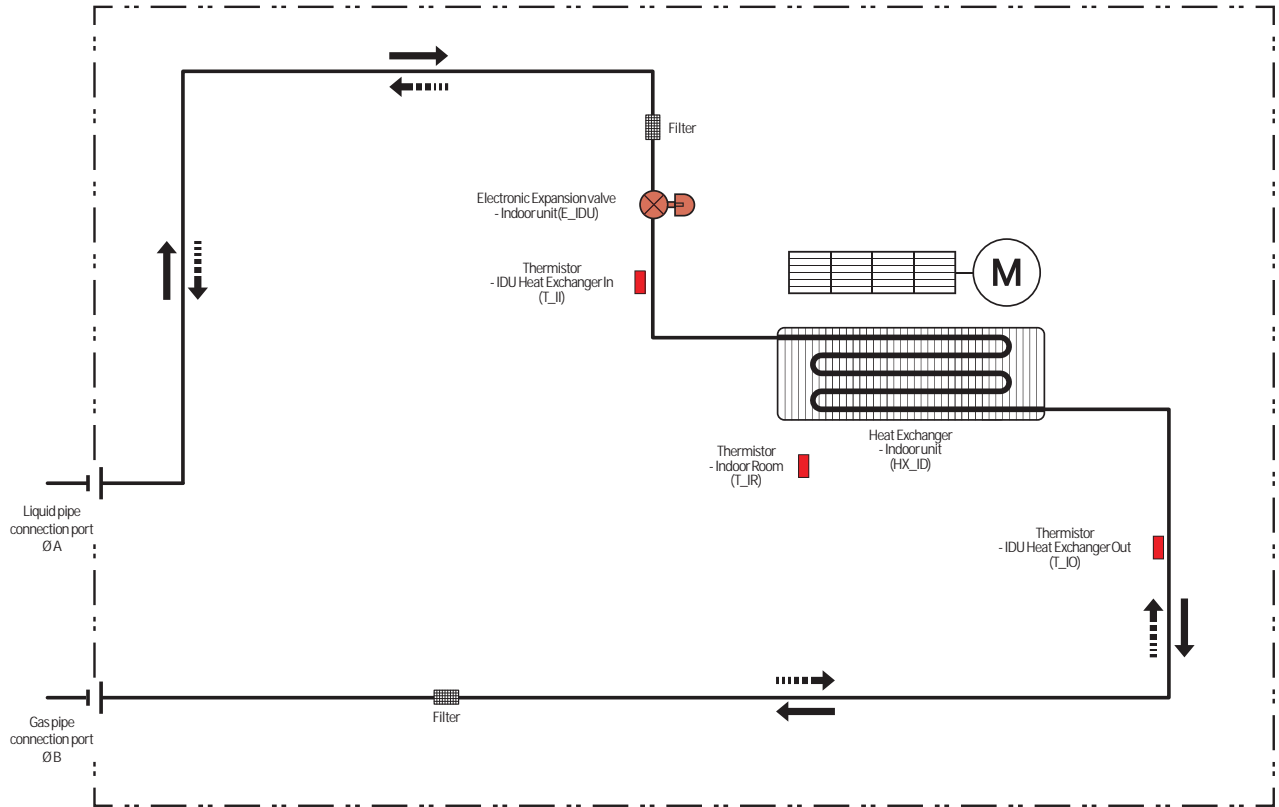


4) Heating temperature distribution



19-9. Piping Diagram

EEV included Model

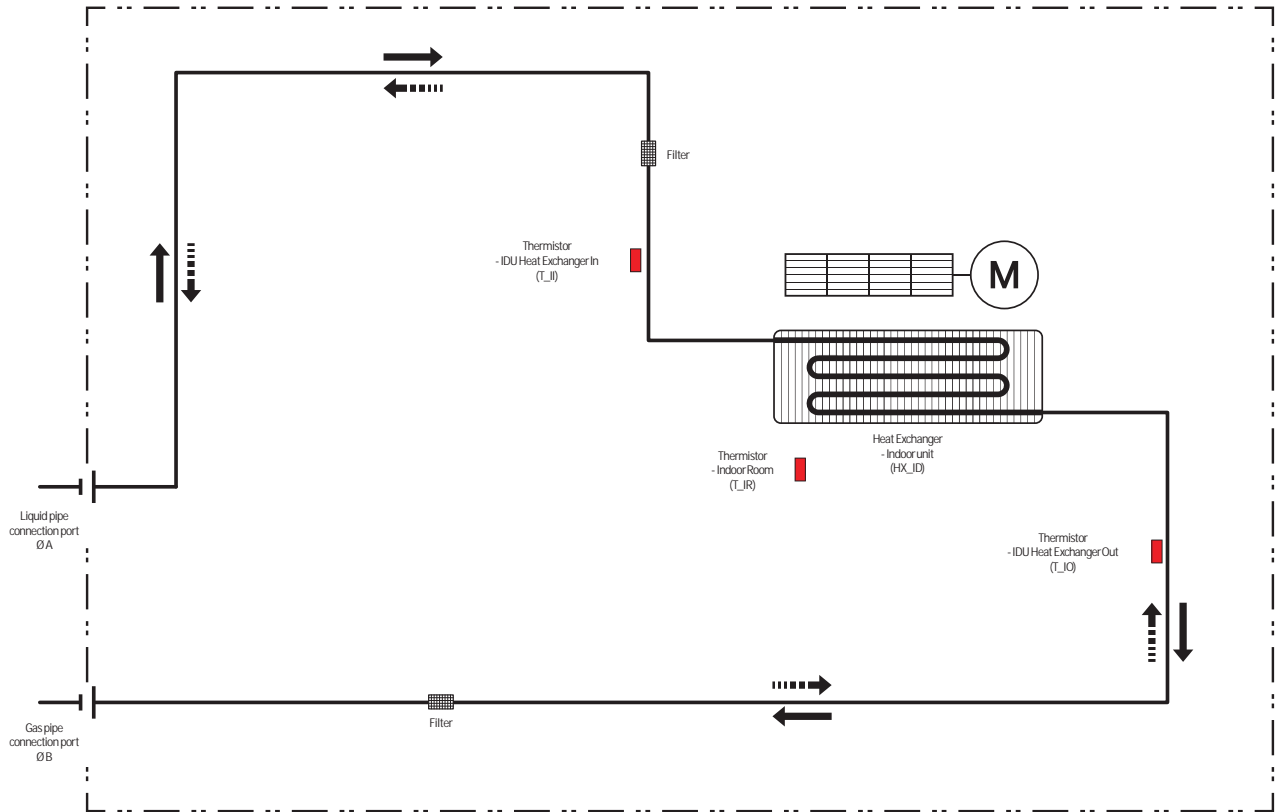


Refrigerant flow	
Cooling	Heating
→	- - - - - →

MODEL	A	B
AM022KNQD*****	6.35	12.7
AM028KNQD*****		
AM036KNQD*****		
AM045KNQD*****		
AM056KNQD*****		
AM071KNQD*****		

19-9. Piping Diagram

EEV not included Model



Refrigerant flow	
Cooling	Heating
→	····→

MODEL	A	B
AM022KNTD*****	6.35	12.7
AM028KNTD*****		
AM036KNTD*****		
AM045KNTD*****		
AM056KNTD*****		
AM071KNTD*****	9.52	15.88

20 PAC

20-1. Specifications

20-2. Capacity tables

20-3. Dimensional drawing

20-4. Electrical wiring diagram

20-5. Sound pressure level

20-1. Specifications

Type				Floor Standing	Floor Standing
Model				AM140JNPDKH/TK	AM280JNPDKH/TK
Power Supply			Ø, #, V, Hz	1,2,220-240,50/60	1,2,220-240,50
Mode				HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	14.00	28.00
			Btu/h	47,800	95,500
		Heating	kW	16.00	31.50
			Btu/h	54,600	107,500
Power	Power Input (Nominal)	Cooling	W	190.00	955.00
		Heating		190.00	955.00
	Current Input (Nominal)	Cooling	A	0.90	4.73
		Heating		0.90	4.73
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan
		Output x n	w	154 x 1	700 x 1
	Air Flow Rate	H/M/L (UL)	CMM	35.00 / 30.50 / 27.50	
			l/s	583.33 / 508.33 / 458.33	
External Pressure	Min/Std/Max	mmAq	-		
		Pa	-		
Piping Connections	Liquid Pipe		Ø, mm	9.52	9.52
			Ø, inch	3/8"	3/8"
	Gas Pipe		Ø, mm	15.88	22.22
			Ø, inch	5/8"	7/8"
Drain Pipe		Ø, mm	ID18 HOSE	VP25 (OD 32, ID 25)	
Field Wiring	Power Source Wire		mm ²	2.5	2.5
	Transmission Cable		mm ²	VCTF 0.75 - 1.50	VCTF 0.75 - 1.50
Refrigerant	Type		-	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED
Sound	Pressure	High / Low	dB(A)	54 / 47	
	Power	Cooling		-	
Dimension	Net Weight		kg	48.00	115.00
	Shipping Weight		kg	55.00	130.00
	Net Dimensions (WxHxD)		mm	650 x 1,850 x 400	
	Shipping Dimensions (WxHxD)		mm	705 x 1,963 x 493	
Panel Size	Panel model		-	-	-
	Panel Net Weight		kg	-	-
	Shipping Weight		kg	-	-
	Net Dimensions (WxHxD)		mm	-	-
	Shipping Dimensions (WxHxD)		mm	-	-
Additional Accessories	Drain Pump	Drain Pump	- / Model	-	-
		Max. lifting Height / Displacement	mm/liter/h	-	-
	Air Filter		-	-	-

* Specifications may be subject to change without prior notice.

- Nominal cooling capacities are based on;
 - Indoor temperature : 27°C DB, 19°C WB
 - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
- 46°C cooling capacities are based on;
 - Indoor temperature : 29°C DB, 19°C WB
 - Outdoor temperature : 46°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
- Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- In case of AM280JNPDKH/TK, it operates with only 50Hz power supply.

20-2. Capacity tables

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity

Model	Outdoor Air Temp. (°C, DB)	Indoor temperature													
		20 (°C, DB)		23 (°C, DB)		26 (°C, DB)		27 (°C, DB)		28 (°C, DB)		30 (°C, DB)		32 (°C, DB)	
		14 (°C, WB)		16 (°C, WB)		18 (°C, WB)		19 (°C, WB)		20 (°C, WB)		22 (°C, WB)		24 (°C, WB)	
		TC(kW)	SHC(kW)	TC(kW)	SHC(kW)	TC(kW)	SHC(kW)	TC(kW)	SHC(kW)	TC(kW)	SHC(kW)	TC(kW)	SHC(kW)	TC(kW)	SHC(kW)
AM140JNPKH/TK	10	9.70	8.58	11.40	9.69	13.10	10.50	14.00	10.80	14.60	10.90	15.70	11.00	16.80	10.90
	12	9.70	8.58	11.40	9.69	13.10	10.50	14.00	10.80	14.50	10.80	15.60	10.90	16.70	10.80
	14	9.70	8.58	11.40	9.69	13.10	10.50	14.00	10.80	14.50	10.80	15.60	10.90	16.70	10.80
	16	9.70	8.58	11.40	9.69	13.10	10.50	14.00	10.80	14.50	10.80	15.60	10.90	16.60	10.70
	18	9.70	8.58	11.40	9.69	13.10	10.50	14.00	10.80	14.50	10.80	15.50	10.80	16.60	10.70
	20	9.70	8.58	11.40	9.69	13.10	10.50	14.00	10.80	14.50	10.80	15.50	10.80	16.50	10.60
	21	9.70	8.58	11.40	9.69	13.10	10.50	14.00	10.80	14.50	10.80	15.50	10.80	16.50	10.60
	23	9.70	8.58	11.40	9.69	13.10	10.50	14.00	10.80	14.50	10.80	15.50	10.80	16.50	10.60
	25	9.70	8.58	11.40	9.69	13.10	10.50	14.00	10.80	14.50	10.80	15.50	10.80	16.50	10.60
	27	9.70	8.58	11.40	9.69	13.10	10.50	14.00	10.80	14.50	10.80	15.50	10.80	16.50	10.60
	29	9.70	8.58	11.40	9.69	13.10	10.50	14.00	10.80	14.50	10.80	15.50	10.80	16.50	10.60
	31	9.70	8.58	11.40	9.69	13.10	10.50	14.00	10.80	14.50	10.80	15.50	10.80	16.50	10.60
	33	9.70	8.58	11.40	9.69	13.10	10.50	14.00	10.80	14.50	10.80	15.50	10.80	16.50	10.60
	35	9.70	8.58	11.40	9.69	13.10	10.50	14.00	10.80	14.50	10.80	15.50	10.80	16.50	10.60
	37	9.70	8.58	11.40	9.69	13.10	10.50	14.00	10.80	14.50	10.80	15.40	10.70	16.30	10.50
	39	9.70	8.58	11.40	9.69	13.10	10.50	14.00	10.80	14.40	10.70	15.10	10.50	15.90	10.30
AM280JNPKH/TK	10	19.70	17.60	23.30	19.60	26.50	21.20	28.00	21.80	29.90	22.60	32.70	23.00	34.70	23.20
	12	19.70	17.60	23.30	19.60	26.50	21.20	28.00	21.80	29.90	22.80	32.70	23.10	34.70	23.40
	14	19.70	17.60	23.30	19.60	26.50	21.20	28.00	21.80	29.90	22.80	32.70	23.10	34.70	23.00
	16	19.70	17.60	23.30	19.60	26.50	21.20	28.00	21.80	29.90	22.80	32.70	23.10	34.70	23.30
	18	19.70	17.60	23.30	19.60	26.50	21.20	28.00	21.80	29.90	22.80	32.70	23.00	34.70	23.10
	20	19.70	17.60	23.30	19.60	26.50	21.20	28.00	21.80	29.90	22.80	32.70	23.00	34.30	23.00
	21	19.70	17.60	23.30	19.60	26.50	21.20	28.00	21.80	29.90	22.80	32.70	23.00	34.30	22.90
	23	19.70	17.60	23.30	19.60	26.50	21.20	28.00	21.80	29.90	22.80	32.70	23.20	33.70	22.60
	25	19.70	17.60	23.30	19.60	26.50	21.20	28.00	21.80	29.90	22.80	32.70	23.00	33.70	22.80
	27	19.70	17.60	23.30	19.60	26.50	21.20	28.00	21.80	29.90	22.80	32.70	23.00	33.70	22.80
	29	19.70	17.60	23.30	19.60	26.50	21.20	28.00	21.80	29.90	22.80	32.70	23.00	33.70	22.80
	31	19.70	17.60	23.30	19.60	26.50	21.20	28.00	21.80	29.90	22.80	32.70	23.20	33.70	22.80
	33	19.70	17.60	23.30	19.60	26.50	21.20	28.00	21.80	29.90	22.80	32.70	23.50	33.70	22.80
	35	19.70	17.60	23.30	19.60	26.50	21.20	28.00	21.80	29.90	22.60	32.70	23.50	33.70	23.00
	37	19.40	17.30	23.00	19.30	26.30	20.90	28.00	21.80	29.70	22.70	32.20	23.10	33.20	22.50
	39	19.20	17.10	22.70	19.10	26.30	20.90	27.90	21.60	29.50	22.50	31.80	23.40	32.80	22.40

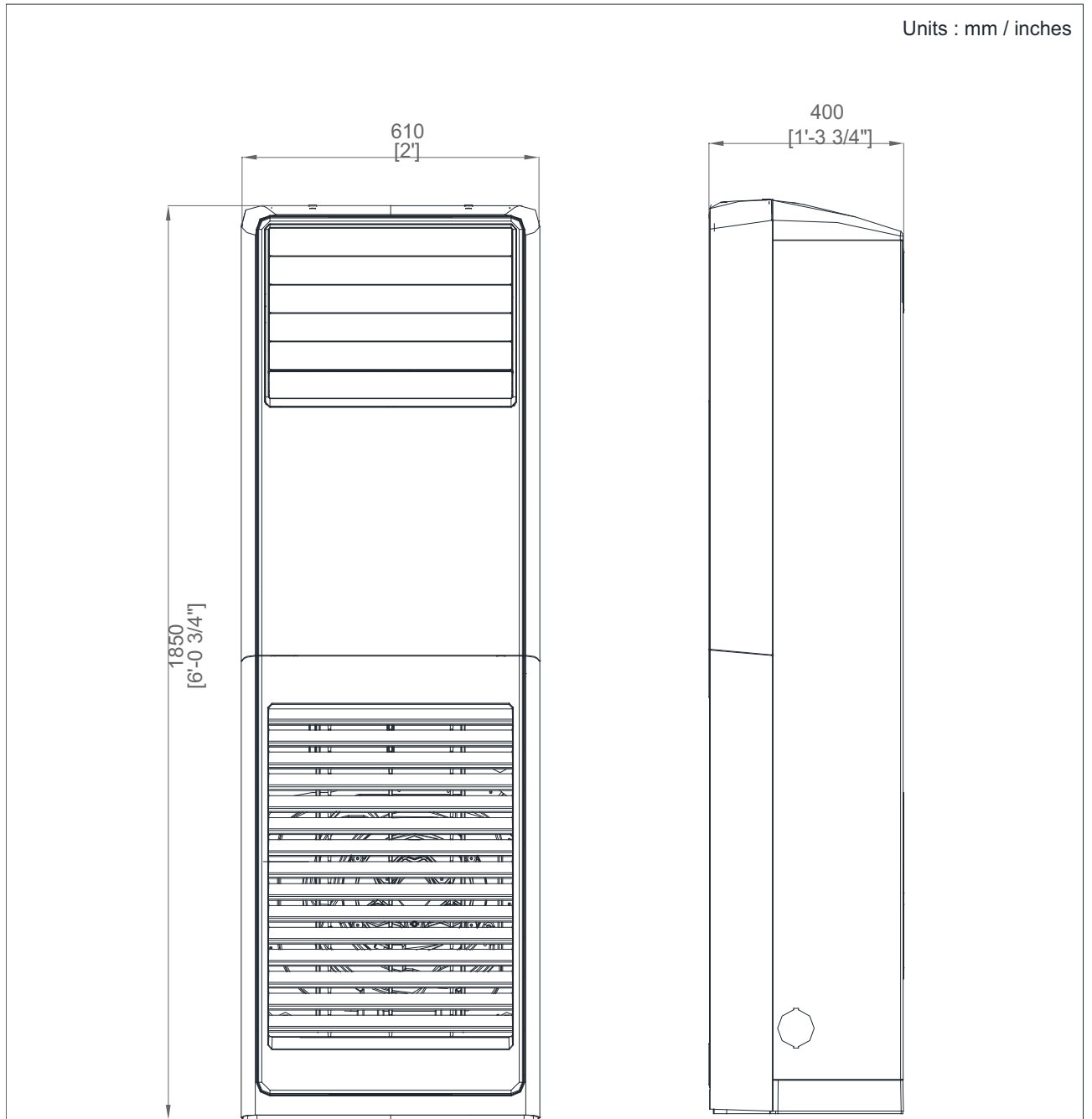
20-2. Capacity tables

Heating

TC : Total Capacity

Model	Outdoor Air Temp. (°C)		Indoor temperature				
			16 (°C, WB)	18 (°C, WB)	20 (°C, WB)	22 (°C, WB)	24 (°C, WB)
	DB	WB	TC(kW)	TC(kW)	TC(kW)	TC(kW)	TC(kW)
AM140JNPDKH/TK	-20	-20	9.54	9.53	9.41	9.41	9.31
	-19	-19	9.74	9.66	9.48	9.48	9.34
	-17	-17	10.19	9.98	9.68	9.63	9.41
	-15	-15	10.75	10.46	10.17	9.88	9.58
	-13	-13	11.10	10.88	10.66	10.44	10.14
	-10	-11	11.58	11.45	11.25	11.12	10.90
	-10	-10	11.82	11.70	11.52	11.38	11.17
	-8	-9	12.05	11.90	11.75	11.55	11.30
	-7	-8	12.40	12.20	12.10	11.80	11.50
	-5	-6	13.10	12.90	12.70	12.30	12.00
	-3	-4	13.80	13.60	13.40	12.90	12.40
	0	-1	14.40	14.20	14.00	13.40	12.80
	3	2	15.10	14.90	14.70	14.10	13.50
	5	4	15.80	15.60	15.30	14.40	13.50
	7	6	16.50	16.20	16.00	14.80	13.50
	9	8	17.00	16.50	16.00	14.80	13.50
	11	10	17.50	16.70	16.00	14.80	13.50
13	12	18.00	17.00	16.00	14.80	13.50	
15	14	18.50	17.20	16.00	14.80	13.50	
AM280JNPDKH/TK	-20	-20	25.40	24.40	23.00	22.00	21.10
	-19	-19	25.60	24.60	23.20	22.30	21.60
	-17	-17	26.20	25.10	23.70	23.00	22.60
	-15	-15	27.20	26.10	24.70	23.90	23.50
	-13	-13	28.40	27.30	25.80	24.90	24.50
	-10	-11	30.40	29.20	27.50	26.40	26.00
	-10	-10	31.10	29.80	28.10	27.00	26.60
	-8	-9	31.40	30.10	28.40	27.40	26.90
	-7	-8	31.80	30.50	28.80	27.90	27.30
	-5	-6	32.70	31.50	29.70	29.00	28.10
	-3	-4	33.50	32.20	30.40	29.80	28.70
	0	-1	34.30	33.10	31.10	30.40	29.30
	3	2	35.00	33.70	31.50	30.40	29.50
	5	4	35.30	33.70	31.50	30.40	29.50
	7	6	35.70	33.70	31.50	30.40	29.50
	9	8	35.70	33.70	31.50	30.40	29.50
	11	10	35.70	33.70	31.50	30.40	29.50
13	12	35.70	33.70	31.50	30.40	29.50	
15	14	35.70	33.70	31.50	30.40	29.50	

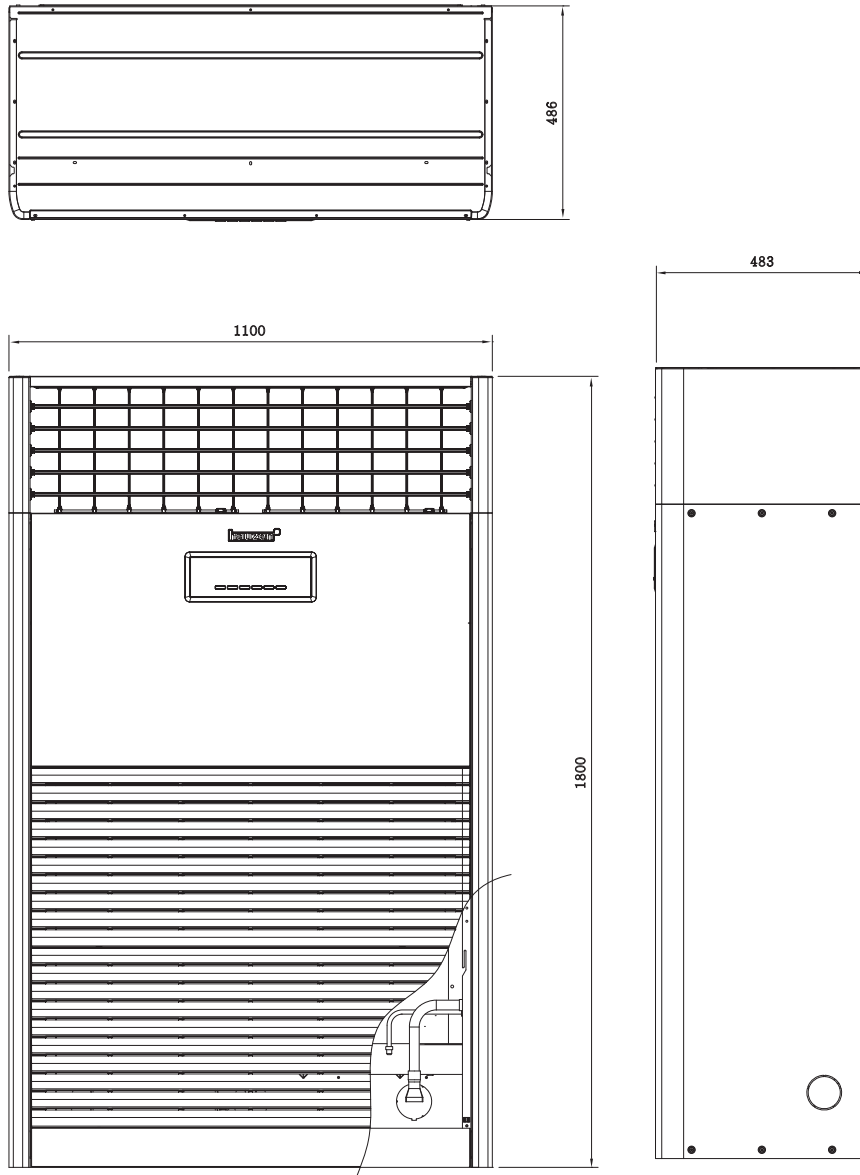
20-3. Dimensional drawing



No.	Name	Description
1	Refrigerant gas pipe	Ø15.88 Flare
2	Refrigerant liquid pipe	Ø9.52 Flare
3	Drain pipe connection	-

20-3. Dimensional drawing

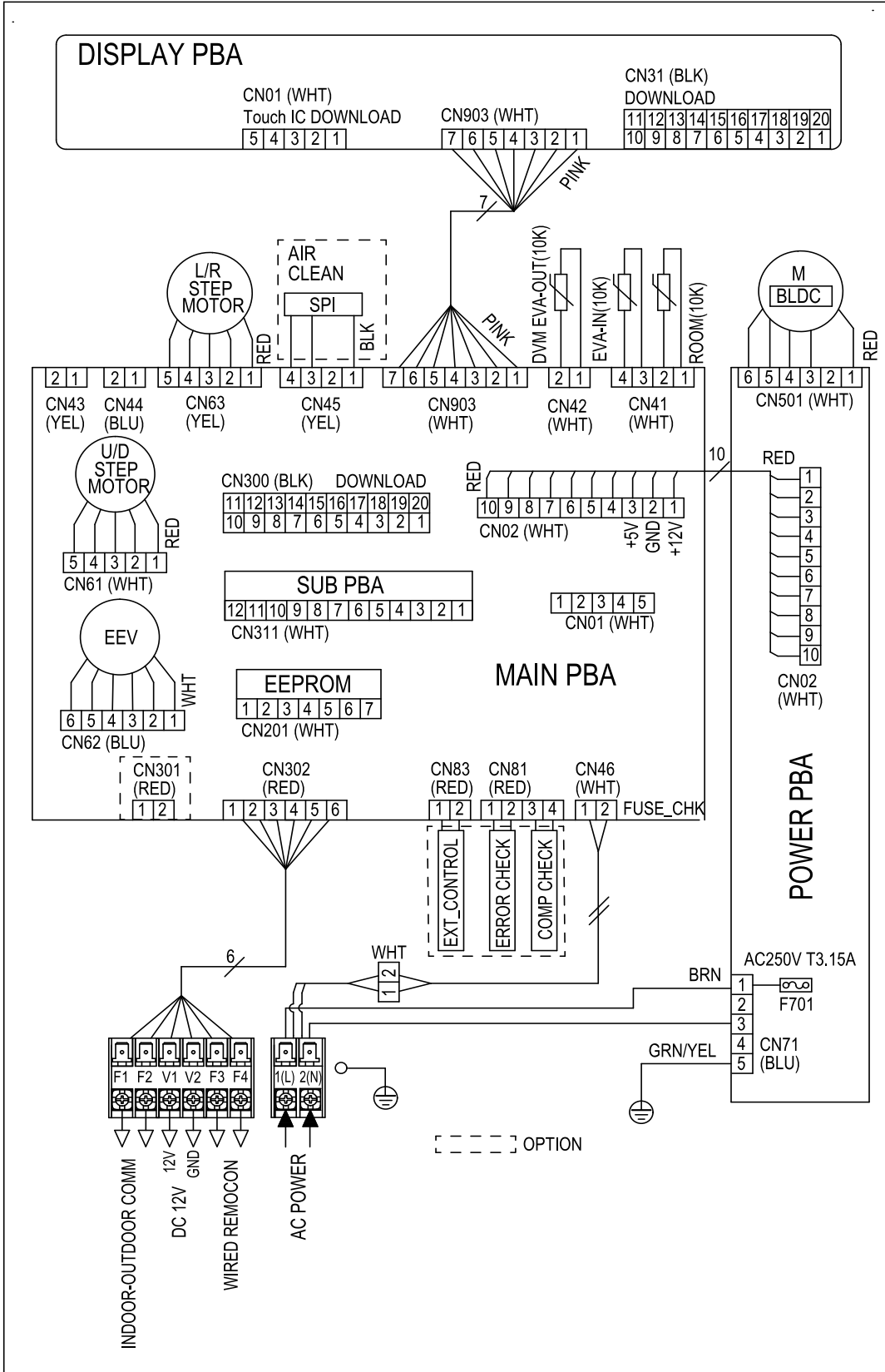
(단위 : mm)



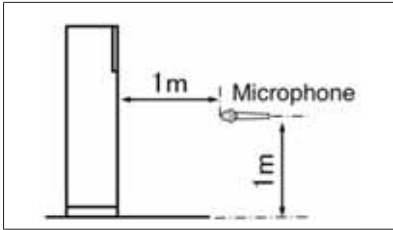
Name	Description
Refrigerant gas pipe	Φ22.22 Flare
Refrigerant liquid pipe	Φ9.52 Flare
Drain pipe connection	VP25 (OD 32, ID 25)

20-4. Electrical wiring diagram

AM140JNPDKH/TK



20-5. Sound pressure level



Unit: dB(A)

Model	High	Low
AM140JNPKH/TK	54	47
AM280JNPKH/TK	58	54

Note

Measuring place: Anechoic chamber (conversion value)

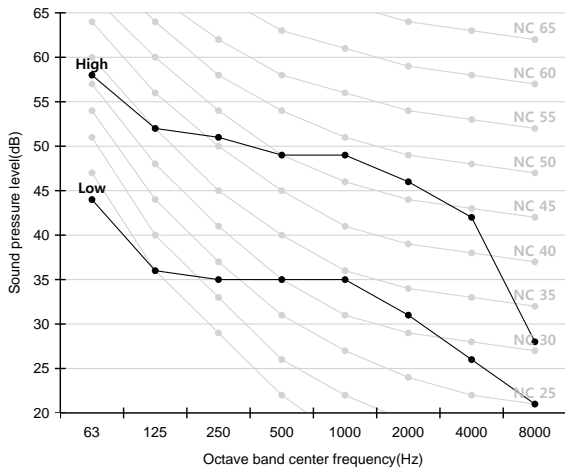
These operation values were obtained in an anechoic room.

Sound pressure level will vary depending on factors such as the construction of the particular room where the equipment is installed.

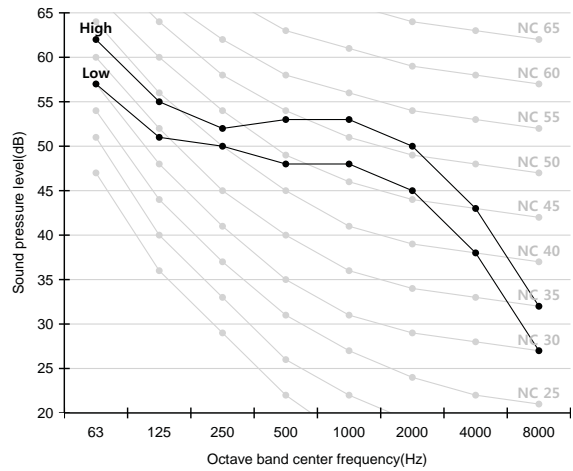
Operation sound level may differ depending on operation and ambient conditions.

NC curve

1) AM140JNPKH/TK



2) AM280JNPKH/TK



21 OAP duct

21-1. Specifications

21-2. Capacity tables

21-3. Dimensional drawing

21-4. Electrical wiring diagram

21-5. Sound pressure level

21-6. Recommended operation range

21 OAP duct

21-1. Specifications

Type				OAP Duct	OAP Duct	OAP Duct
Model				AM140HNEPEH/TK	AM220HNEPEH/TK	AM280HNEPEH/TK
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode				HP	HP	HP
Performance	Capacity (Nominal)	Cooling	kW	14.00	22.40	28.00
			Btu/h	47,800	76,400	95,500
		Heating	kW	8.90	13.90	17.40
			Btu/h	30,400	47,400	59,400
Power	Power Input (Nominal)	Cooling	W	220.00	300.00	370.00
		Heating		220.00	300.00	370.00
	Current Input (Nominal)	Cooling	A	1.60	2.20	3.00
		Heating		1.60	2.20	3.00
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan
		Output x n	w	183 x 1	400 x 1	400 x 1
	Air Flow Rate	H/M/L (UL)	CMM	18.00	28.00	35.00
			l/s	300.00	466.67	583.33
	External Pressure	Min/Std/Max	mmAq	5.00 / 20.39 / 25.00	10.00 / 23.45 / 25.00	10.00 / 25.49 / 27.50
			Pa	49.00 / 199.82 / 245.00	98.00 / 229.81 / 245.00	98.00 / 249.80 / 269.50
Piping Connections	Liquid Pipe		Ø, mm	9.52	9.52	9.52
			Ø, inch	3/8"	3/8"	3/8"
	Gas Pipe		Ø, mm	15.88	19.05	22.22
			Ø, inch	5/8"	3/4"	7/8"
	Drain Pipe		Ø, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire		mm ²	1.5 - 2.5	1.5 - 2.5	1.5 - 2.5
	Transmission Cable		mm ²	0.75 - 1.50	0.75 - 1.50	0.75 - 1.50
Refrigerant	Type		-	R410A	R410A	R410A
	Control Method		-	EEV(O)	EEV(O)	EEV(O)
Sound	Pressure	High / Mid / Low	dB(A)	42.0	46.0	47.0
	Power	Cooling		63.0	64.0	68.0
Dimension	Net Weight		kg	51.00	85.00	85.00
	Shipping Weight		kg	61.00	95.00	95.00
	Net Dimensions (WxHxD)		mm	1,110 x 390 x 650	1,240 x 470 x 1,040	1,240 x 470 x 1,040
	Shipping Dimensions (WxHxD)		mm	1,335 x 512 x 829	1,507 x 558 x 1,155	1,507 x 558 x 1,155
Panel Size	Panel model		-	-	-	-
	Panel Net Weight		kg	-	-	-
	Shipping Weight		kg	-	-	-
	Net Dimensions (WxHxD)		mm	-	-	-
	Shipping Dimensions (WxHxD)		mm	-	-	-
Additional Accessories	Drain Pump	Drain Pump	- / Model	MDP-N047SNC0D	MDP-N047SNC1D	MDP-N047SNC1D
		Max. lifting Height / Displacement	mm/liter/h	-	-	-
	Air Filter			-	-	-

- Specifications may be subject to change without prior notice.

- Nominal cooling capacities are based on;

Outdoor temperature : 35°C DB, 28°C WB, Refrigerant pipe length : 7.5m, Level differences : 0m

Factory setting temperature for cooling mode : 18°C

- Nominal heating capacities are based on;

Outdoor temperature : 0°C DB, -2.9°C WB, Refrigerant pipe length : 7.5m, Level differences : 0m

Factory setting temperature for heating mode : 25°C

- Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions

21-2. Capacity tables

1) Cooling

Capacity Index	Outdoor Air Temperature (°C, DB)	Outdoor Air Temperature (°C, WB)																	
		17		17		20		23		26		28		30		32		36	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
140	20	3.7	2.7	3.9	2.3														
	22	3.7	2.9	3.9	2.5	5.2	2.1												
	25	3.7	3.0	3.9	2.6	5.2	2.6	6.8	2.6										
	27			3.8	3.3	5.2	3.4	6.8	3.4										
	29					5.2	4.2	6.8	4.1	11.1	4.2								
	31					5.1	4.8	6.7	4.8	11.1	4.9	14.2	5.0						
	33					5.1	5.1	6.7	5.5	11.0	5.6	14.0	5.6	16.3	5.3				
	35							6.7	6.3	11.0	6.4	14.0	6.4	16.2	5.9	17.5	5.3		
	37							6.6	6.6	10.8	6.8	13.3	6.8	15.2	6.2	16.3	5.6	16.8	3.7
40									10.4	6.9	11.4	7.0	11.9	6.1	13.1	5.6	13.4	3.8	
45									9.7	7.4	10.4	7.3	10.7	6.3	11.6	5.8	12.0	4.0	
224	20	5.7	4.2	6.1	3.5														
	22	5.7	4.4	6.1	3.8	8.2	3.3												
	25	5.7	4.6	6.1	4.1	8.2	4.1	10.8	4.2										
	27			6.1	5.2	8.1	5.3	10.7	5.3										
	29					8.1	6.4	10.5	6.4	17.6	6.6								
	31					8.0	7.5	10.5	7.6	17.6	7.7	22.6	7.8						
	33					8.0	8.0	10.6	8.7	17.5	8.9	22.4	9.0	26.2	8.5				
	35							10.6	9.8	17.5	10.0	22.4	10.2	26.2	9.5	27.8	8.3		
	37							10.6	10.5	17.2	10.7	21.4	10.8	24.4	9.8	16.1	8.8	26.8	5.8
40									16.7	11.0	18.2	11.1	19.0	9.6	21.0	8.8	21.4	6.0	
45									15.5	11.7	16.6	11.6	17.2	10.0	18.5	9.2	19.2	6.3	
280	20	7.1	5.2	7.6	4.4														
	22	7.1	5.5	7.6	4.8	10.3	4.1												
	25	7.1	5.8	7.6	5.1	10.2	5.2	13.5	5.2										
	27			7.6	6.5	10.1	6.6	13.4	6.6										
	29					10.1	8.0	13.4	8.1	22.0	8.2								
	31					10.0	9.4	13.3	9.5	21.9	9.7	28.2	9.8						
	33					10.0	10.0	13.3	10.9	21.9	11.1	28.0	11.2	32.8	10.6				
	35							13.2	12.3	21.8	12.5	28.0	12.7	32.7	11.8	34.8	10.4		
	37							13.2	13.2	21.6	13.4	26.7	13.6	30.5	12.3	32.7	11.1	33.5	7.3
40									20.8	13.8	22.8	13.9	23.7	12.1	26.2	11.0	26.8	7.5	
45									19.4	14.7	20.8	14.6	21.5	12.6	23.2	11.5	24.0	7.9	

2) Heating

Capacity Index	Outdoor Air Temperature (°C, DB)	Outdoor Air Temperature (°C, WB)												
		-7	-5	-2.9	0	2	4	6	10	14				
		TC	TC	TC	TC	TC	TC	TC	TC	TC				
140	-5	9.9	9.9											
	0			8.9										
	3			7.9	7.9	7.9								
	7					6.4	6.4	6.4						
	11						5.0	5.0	5.0					
	15							3.6	3.6	3.6				
224	-5	15.5	15.5											
	0			13.9										
	3			12.2	12.2	12.2								
	7					10.0	10.0	10.0						
	11						7.8	7.8	7.8					
	15							5.6	5.6	5.6				
280	-5	19.2	19.2											
	0			17.4										
	3			15.3	15.3	15.3								
	7					12.5	12.5	12.5						
	11						9.8	9.8	9.8					
	15							7.0	7.0	7.0				

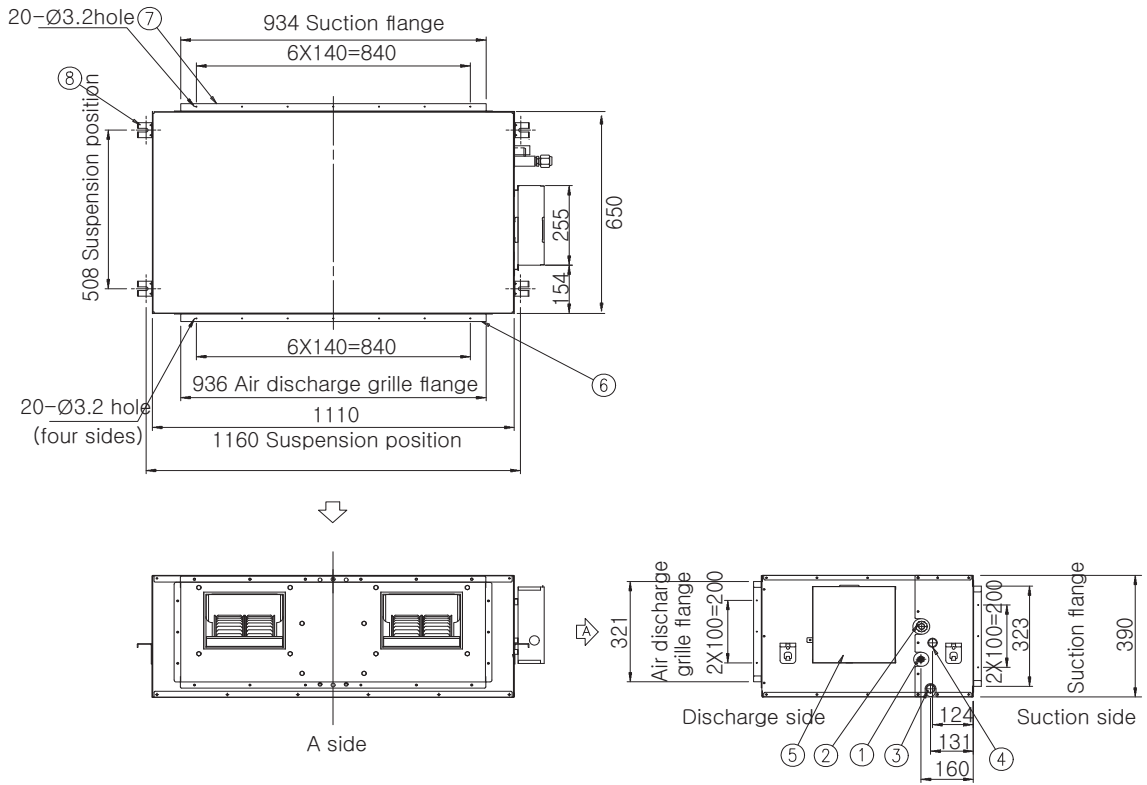
- Capacity Table data may be subject to change without prior notice.
- Tested under following conditions
 - .Temperature setting for cooling : 18°C
 - .Temperature setting for heating : 25°C
- Heating capacity was tested under non-frost condition.

21 OAP duct

21-3. Dimensional drawing

AM140HNEPEH/TK

Unit : mm



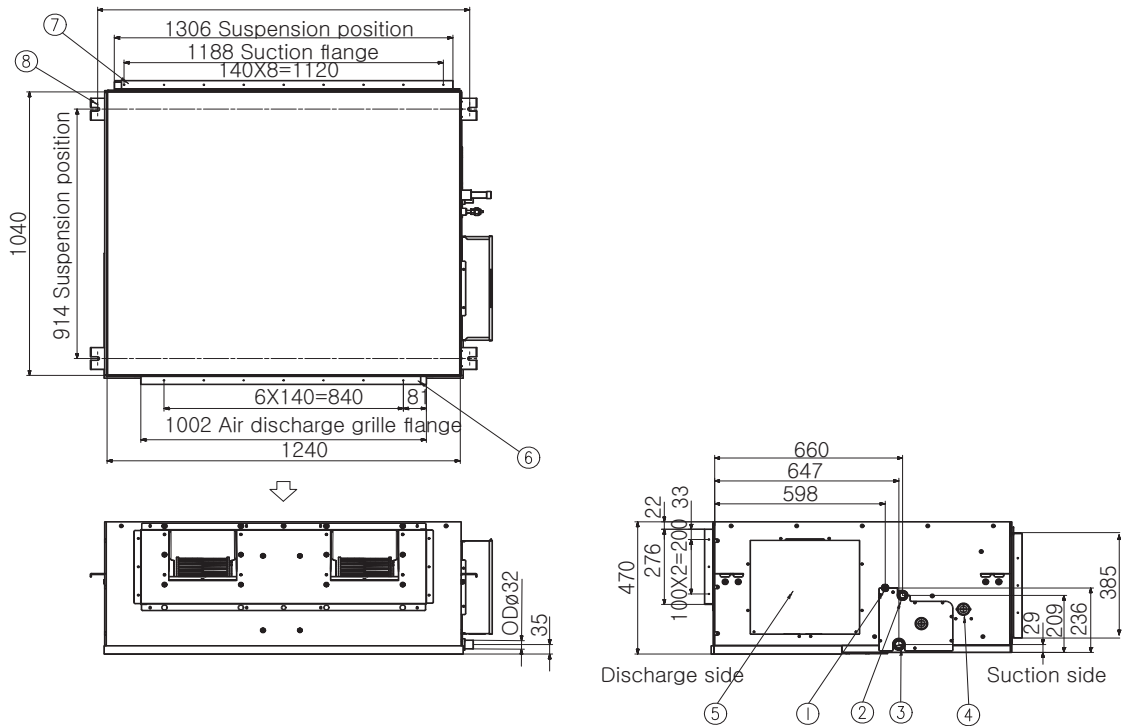
No.	Name	Description
1	Diameter of liquid pipe	ø9.52
2	Diameter of air pipe	ø15.88
3	Diameter of drain pipe	VP25 (OD ø32, ID ø25)
4	Diameter of drain pipe (Option drain pump)	VP25 (OD ø32, ID ø25)
5	Power supply / Communication connection	
6	Air discharge grille flange	
7	Suction flange	
8	Hook	ø9.52 or M10

21 OAP duct

21-3. Dimensional drawing

AM220HNEPEH/TK, AM280HNEPEH/TK

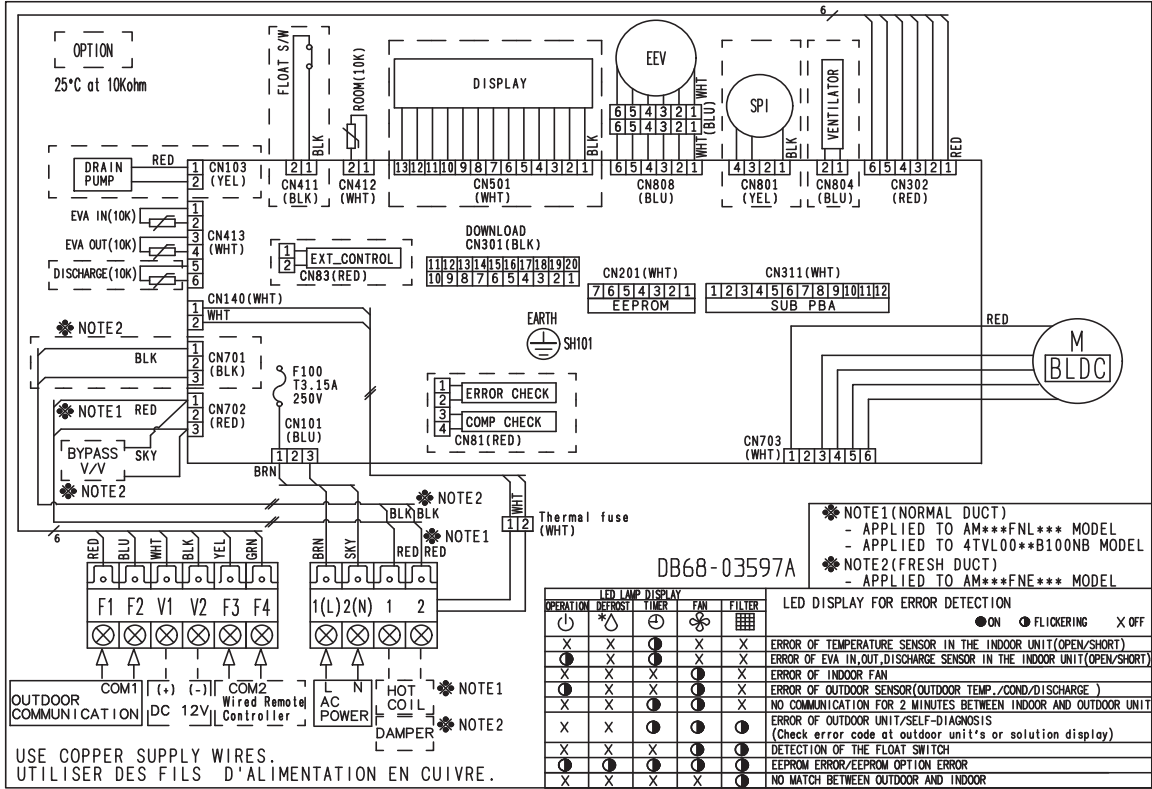
Unit : mm



No.	Name	Description
1	Diameter of liquid pipe	ø9.52
2	Diameter of air pipe	ND220E**: ø19.05 ND280E**: ø22.22
3	Diameter of drain pipe	VP25 (OD ø32, ID ø25)
4	Diameter of drain pipe (Optional drain pump)	VP25 (OD ø32, ID ø25)
5	Power supply / Communication connection	
6	Air discharge grille flange	
7	Suction flange	
8	Hook	ø9.52 or M10

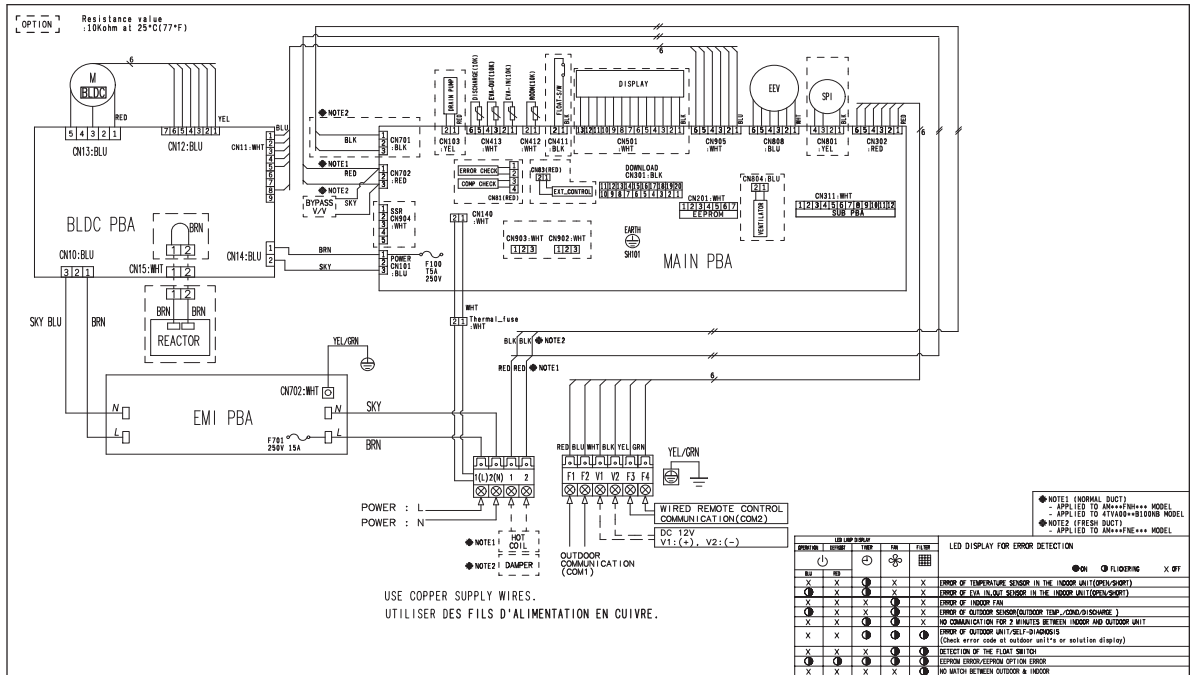
21-4. Electrical wiring diagram

AM140HNEPEH/TK



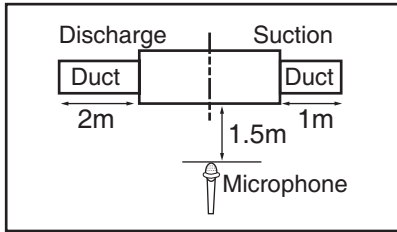
21-4. Electrical wiring diagram

AM220HNEPEH/TK, AM280HNEPEH/TK



21 OAP duct

21-5. Sound pressure level



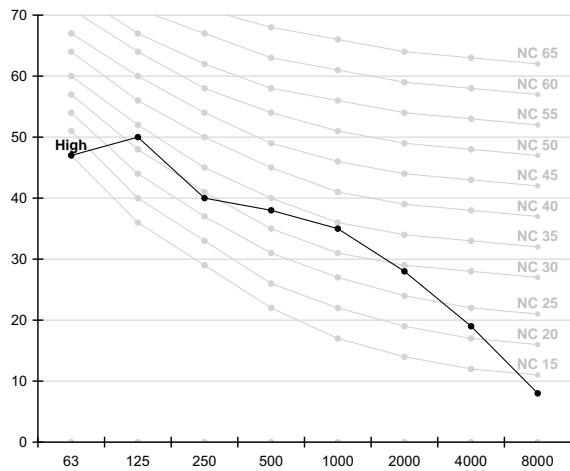
Unit: dB(A)	
Model	High
AM140HNEPEH/TK	42
AM220HNEPEH/TK	46
AM280HNEPEH/TK	47

Note

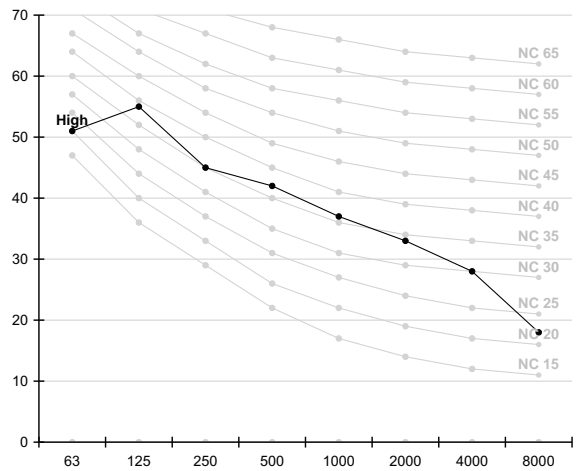
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

NC curve

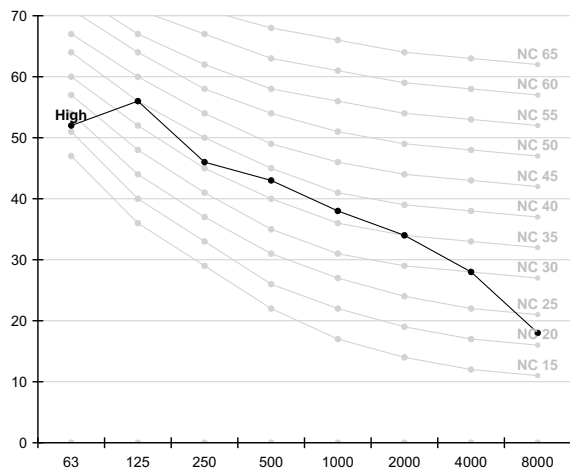
1) AM140HNEPEH/TK



2) AM220HNEPEH/TK



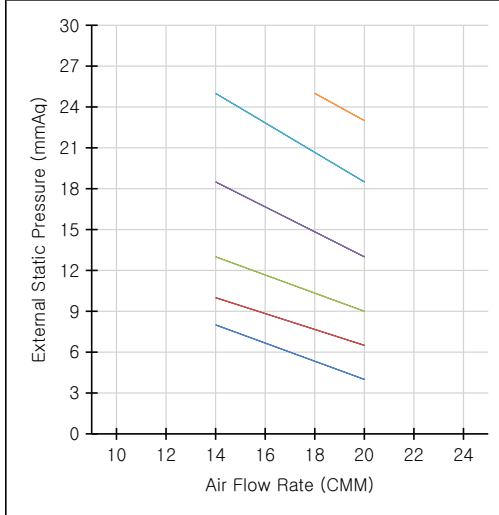
3) AM280HNEPEH/TK



21 OAP duct

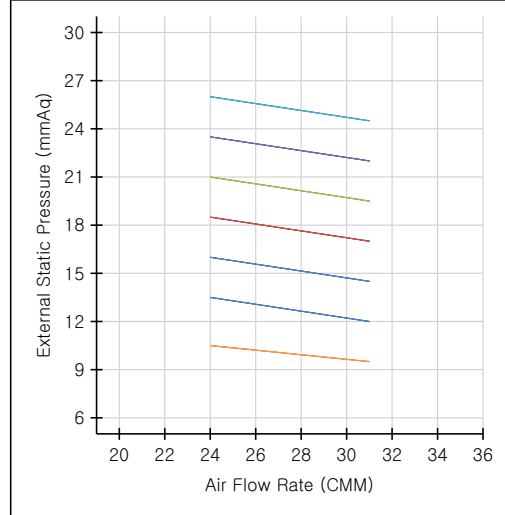
21-6. Recommended operation range

1) AM140HNEPEH/TK



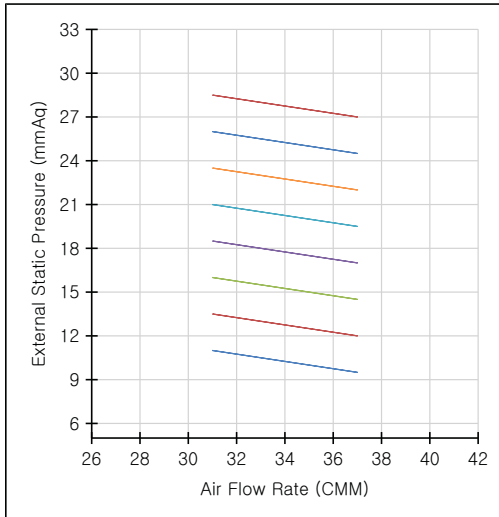
External Static Pressure (mmAq)	Option Code
4~8	01B064-1B490B-208C8C-333000
6.5~10	01B064-1B4A51-208C8C-333000
9~13	01B064-1B4AA6-208C8C-333000
13~18.5	01B064-1B4E2E-208C8C-333000
18.5~25 (Standard)	01B064-1B4F95-208C8C-333000
23~25	01B064-1B4FFB-208C8C-333000

2) AM220HNEPEH/TK



(mmAq)	Option Code
9.5~10.5	01B064-194064-231616-333000
12~13.5	01B064-194075-231616-333000
14.5~16	01B064-1940CA-231616-333000
17~18.5	01B064-1940CA-231616-333000
19.5~21	01B064-1940EC-231616-333000
22~23.5 (Standard)	01B064-19441F-231616-333000
24.5~26	01B064-194530-231616-333000

3) AM280HNEPEH/TK



External Static Pressure (mmAq)	Option Code
9.5~10.5	01B064-194064-231C1C-333000
12~13.5	01B064-194086-231C1C-333000
14.5~16	01B064-1940A8-231C1C-333000
17~18.5	01B064-1940DB-231C1C-333000
19.5~21	01B064-19440E-231C1C-333000
22~23.5	01B064-194530-231C1C-333000
24.5~26 (Standard)	01B064-194550-231C1C-333000
27~28.5	01B064-194581-231C1C-333000

Note

- Adjust option code according to the actual installation condition (external static pressure).
- OAP duct is available only high fan speed mode.

22 ERV Plus

22-1. Specifications

22-2. Capacity tables

22-3. Dimensional drawing

22-4. Electrical wiring diagram

22-5. Sound pressure level

22-6. Fan characteristics

22-1. Specifications

*Refer to following capacities when using the product with outdoor unit: AM050FNKDEH : 3.6kW , AM100FNKDEH : 7.1 kW

Model				AM050FNKDEH***	AM100FNKDEH***
Power Supply				Ø, #, V, Hz	1, 2, 220~240, 50
Performance	Temp. Exchange Efficiency	Cooling	Turbo	-	70
			high	-	70
			low	-	74
		Heating	Turbo	-	75
			high	-	75
			low	-	79
	Effective Enthalpy Exchange Efficiency	Cooling	Turbo	-	60
			high	-	60
			low	-	66
		Heating	Turbo	-	73
			high	-	73
			low	-	79
Outside Air Processing Capacity	Cooling *1) (DX Coil/Element)		-	5.1(3.6/1.5)	10.5(7.1/3.4)
	Heating *2) (DX Coil/Element)		-	6.5(4.0/2.5)	13.2(8.0/5.2)
Fan	Airflow rate		Turbo/High/Low(UL)	CMH	500/500/360
				l/s	8333/8333/6000
	External Static pressure		Turbo/High/Low	mmAq	16.3/10.2/8.7
				Pa	160/100/85
	Motor		Type	-	BLDC
			Output	W	180
Number of unit			EA	2	
Power	Power Input		Turbo	-	220
			high	W	140
			low	-	90
	Current Input		Turbo	-	1.70
			high	A	1.00
			low	-	0.60
Option Code				-	015617152380
Piping Connections	Liquid Pipe		Ø, mm	6.35	6.35
			Ø, inch	1/4	1/4
	Gas Pipe		Ø, mm	12.7	12.7
			Ø, inch	1/2	1/2
	Drain Pipe		Ø, mm	VP25 (OD32, ID25)	VP25 (OD32, ID25)
			Ø, inch	VP25 (OD 1-1/4", ID 1")	VP25 (OD 1-1/4", ID 1")
Water Supply		Ø, mm	12.7	12.7	
		Ø, inch	1/2	1/2	
Field Wiring	Power Source Wire		mm ²	1.5/2.5	1.5/2.5
	Transmission Cable		mm ²	0.75~1.5	0.75~1.5
Refrigerant	Type		-	R410A	R410A
	Control Method		-	EEV	EEV
Sound Pressure	Sound Level *4)	Turbo / High / Low	dBA	36 / 32 / 28	36 / 33 / 31
Dimensions	Net Weight		kg	61.0	90.0
	Shipping Weight		kg	75.2	107.5
	Net Dimensions (W×H×D)		mm	1,553 x 270 x 1,000	1,763 x 340 x 1,135
	Shipping Dimensions (W×H×D)		mm	1,847 x 349 x 1,300	2,027 x 428 x 1,424
	Supply/Return/Exhaust/Outside Duct Flange (Ø)		mm	200	250
Accessory	Air Filter		-	High Efficiency Filter(PP)	High Efficiency Filter(PP)
Optional Accessory	Humidifier *3)		Type	-	Natural Evaporating Type
			Qty	EA	1
			Amount	kg/h	2.7
			Pressure Feed Water	MPa	0.02~0.49
	S-Plasma ion kit		-	-	MSD-EAN1
	CO ₂ sensor		-	-	MOS-C1
Humidity Sensor		-	-	Option	
Ambient Condition	Around Unit		-	0~40°C DB, 80%RH or less	0~40°C DB, 80%RH or less
	OA *5)		-	-15~40°C DB, 80%RH or less	-15~40°C DB, 80%RH or less
	RA *5)		-	0~40°C DB, 80%RH or less	0~40°C DB, 80%RH or less

* Specifications may be subject to change without prior notice for product improvement.

*1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Humidifying capacity is based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

*5) OA: fresh air from outdoor. RA: return air from room.

*6) These products contain R410A which is fluorinated greenhouse gas.

* Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

22-2. Capacity tables

1) Cooling

TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

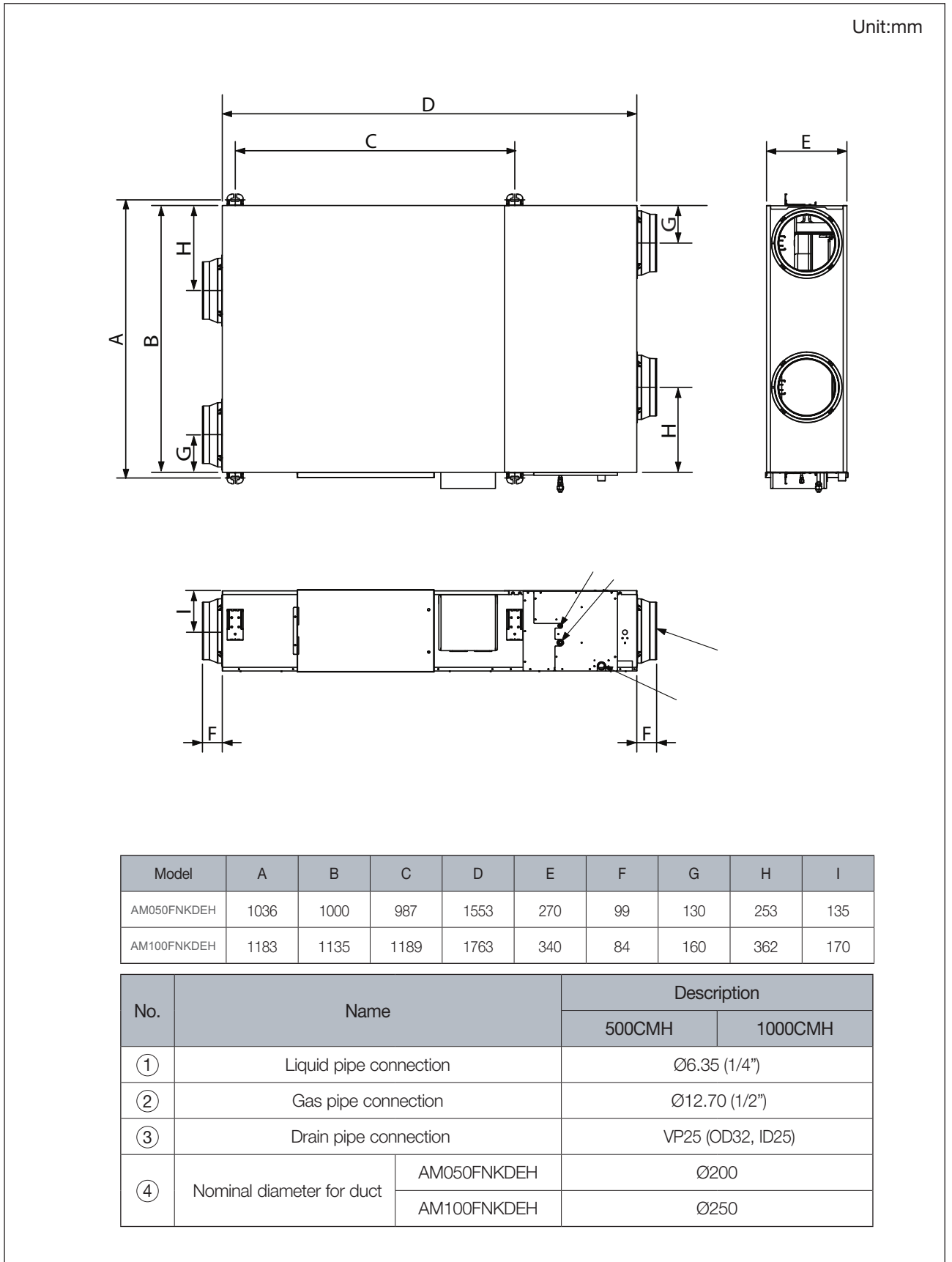
Model	Outdoor temperature (°C)		Indoor temperature													
			20 (°C, DB)		23 (°C, DB)		26 (°C, DB)		27 (°C, DB)		28 (°C, DB)		30 (°C, DB)		32 (°C, DB)	
	DB	WB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
500	10	4	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.3	2.7
	12	5.5	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.3	2.7
	14	7	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.3	2.7
	16	8.5	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.3	2.7
	18	10.5	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.3	2.7
	20	12	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
	21	14	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
	23	15	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
	25	16	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
	27	18	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
	29	19	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
	31	22	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
	35	24	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	4.0	2.8	4.2	2.6
	37	26	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	3.9	2.7	4.2	2.6
39	28	2.5	2.2	2.9	2.5	3.4	2.7	3.6	2.8	3.7	2.8	3.9	2.7	4.1	2.5	
1000	10	4	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	8.0	5.7	8.5	5.4
	12	5.5	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.5	5.4
	14	7	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.5	5.4
	16	8.5	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	18	10.5	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	20	12	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	21	14	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	23	15	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	25	16	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	27	18	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	29	19	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	31	22	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	35	24	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.4	5.6	7.9	5.6	8.4	5.3
	37	26	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.3	5.5	7.8	5.5	8.2	5.2
39	28	4.9	4.3	5.8	5.0	6.7	5.2	7.1	5.4	7.3	5.5	7.7	5.4	8.1	5.1	

2) Heating

TC : Total Capacity(kW)

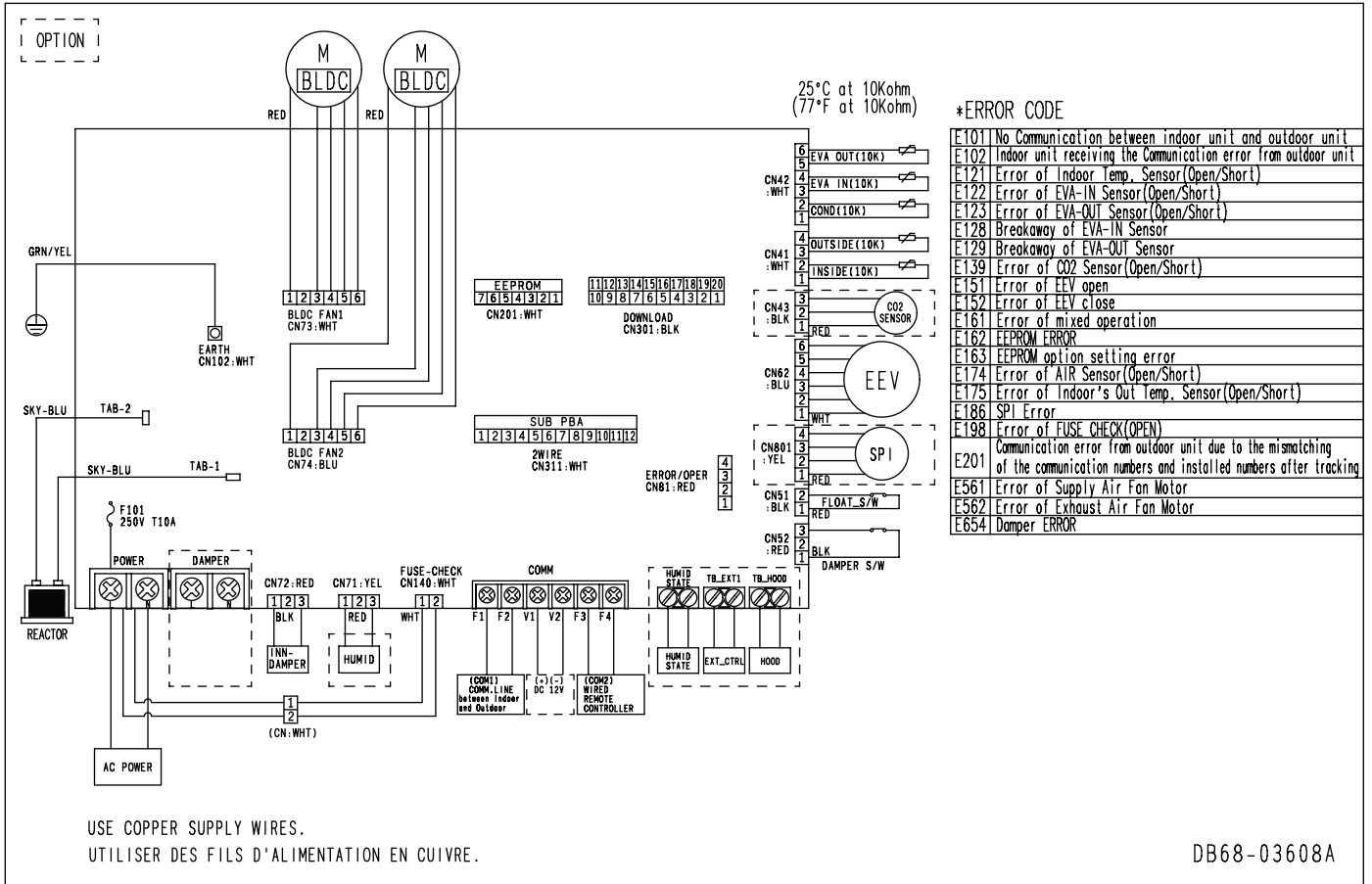
Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC	TC	TC	TC	TC
500	-20	-21	-	-	-	-	-
	-17	-18	-	-	-	-	-
	-15	-16	-	-	-	-	-
	-12	-13	-	-	-	-	-
	-10	-11	2.9	2.9	2.9	2.8	2.8
	-7	-8	3.1	3.1	3.0	3.0	2.9
	-5	-6	3.3	3.2	3.2	3.1	3.0
	-3	-4	3.4	3.4	3.3	3.2	3.1
	0	-1	3.6	3.6	3.5	3.4	3.2
	3	2.2	3.8	3.7	3.7	3.5	3.4
	5	4.1	3.9	3.9	3.8	3.6	3.4
	7	6	4.1	4.1	4.0	3.7	3.4
	9	7.9	4.2	4.1	4.0	3.7	3.4
	11	9.8	4.4	4.2	4.0	3.7	3.4
13	12	4.5	4.2	4.0	3.7	3.4	
15	14	4.6	4.3	4.0	3.7	3.4	
1000	-20	-21	-	-	-	-	-
	-17	-18	-	-	-	-	-
	-15	-16	-	-	-	-	-
	-12	-13	-	-	-	-	-
	-10	-11	5.9	5.8	5.7	5.6	5.6
	-7	-8	6.2	6.1	6.0	5.9	5.8
	-5	-6	6.5	6.5	6.4	6.2	6.0
	-3	-4	6.9	6.8	6.7	6.4	6.2
	0	-1	7.2	7.1	7.0	6.7	6.4
	3	2.2	7.6	7.5	7.3	7.1	6.8
	5	4.1	7.9	7.8	7.7	7.2	6.8
	7	6	8.2	8.1	8.0	7.4	6.8
	9	7.9	8.5	8.2	8.0	7.4	6.8
	11	9.8	8.7	8.4	8.0	7.4	6.8
13	12	9.0	8.5	8.0	7.4	6.8	
15	14	9.2	8.6	8.0	7.4	6.8	

22-3. Dimensional drawing



22-4. Electrical wiring diagram

AM050/100FNKDEH/TK

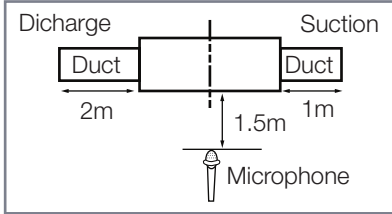


NOTE

1. This wiring diagram applies only to the indoor unit.
2. Symbols show as follow;
BLK : black, RED : red, BLU : blue, WHT:white, YEL : yellow, BRN : brown, SKY : sky-blue, GRN : green
3. For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remotecontroller transmission F3-F4.
4. : Protective earth(screw), : Connector, _n : The wire quantity

22-5. Sound pressure level

1) Operation sound level



Unit : dB(A)

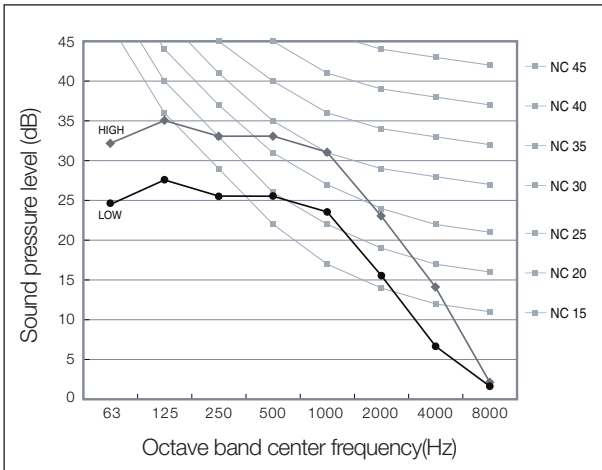
Model	Turbo	High	Low
AM050FNKDEH***	36	32	28
AM100FNKDEH***	36	33	31

Note

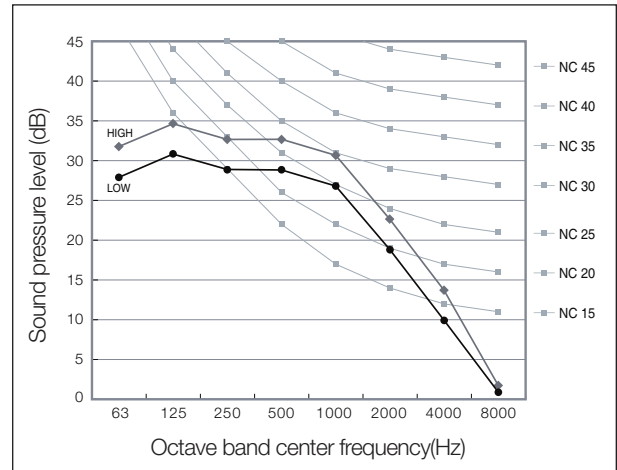
Specifications may be subject to change without prior notice.
 Sound pressure level is obtained in an anechoic room.
 Sound pressure level is a relative value, depending on the distance and acoustic environment.
 Sound pressure level may differ depending on operation condition.
 dBA = A-weighted sound pressure level
 Reference acoustic pressure 0 dB= 20 uPa

2) NC curves

(1) AM050FNKDEH ***

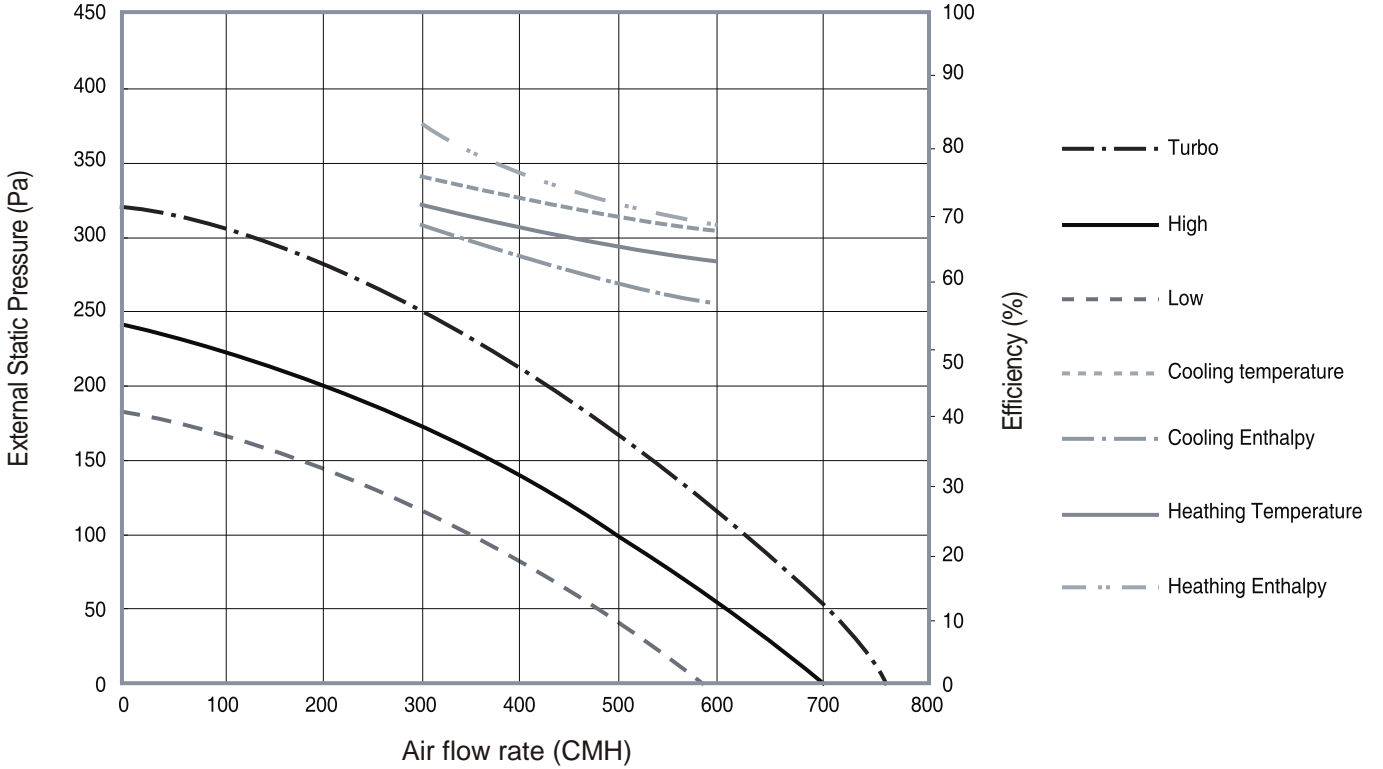


(2) AM100FNKDEH ***

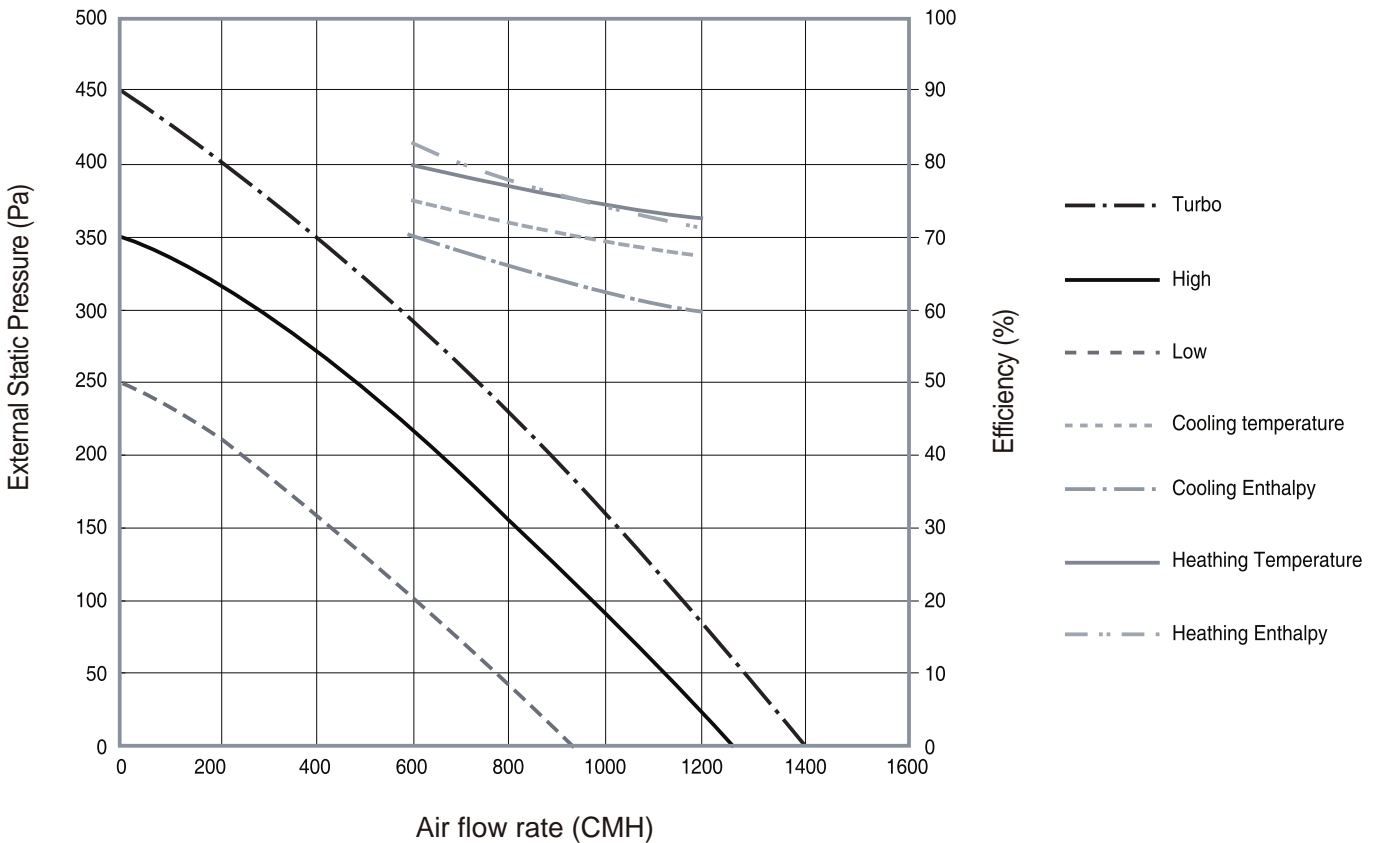


22-6. Fan characteristics

1) AM050FNKDEH/TK



2) AM100FNKDEH/TK



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