

SINGLE

Technical Data Book

4Way Cassette S(600x600) for Africa (R410A, 50Hz)



Model : AC***JNNDEH/AF
(ODU: AC***JXNDEH/AF)

History

Version	Modification	Date	Remark
Ver.1.0	Release TDB	15.11.30	
Ver.1.1	Modified error : the unit of IDU temp in Heating(WB → DB) in Capacity table	15.12.15	

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1 Nomenclature

Indoor Units

Model Names

AC	035	J	N	N	D	E	H	/	AF
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		Buyer

(1) Classification

AC	SINGLE
AM	VRF

(2) Capacity

x 1/10 kW (3 digits)

(3) Version

F	2013
H	2014
J	2015

(4) Product Type

N	Indoor Unit
X	Outdoor Unit

(5) Product Notation

1	1Way Cassette
2	2Way Cassette
N	4Way Cassette S (600 x 600)
4	4Way Cassette S
L	LSP Duct (Slim Duct)
M	MSP Duct
H	HSP Duct
C	Ceiling
T	Neo Forte
E	OAP Duct

(6) Feature

D	DELUXE
F	FLAGSHIP
P	Premium
G(EHS)	Cascade (EEV)

(7) Rating Voltage

C	1Ø, 208~230V, 60Hz
E	1Ø, 220~240V, 50Hz
G	3Ø, 380~415V, 50Hz
K	1Ø, 220~240V, 50/60Hz
N	3Ø, 380~415V, 50/60Hz

(8) Mode

C	Cooling Only(R410A)
H	Heat Pump(R410A)
D	Cooling Only(R22)
E	Heat Pump(R22)

1 Nomenclature

Outdoor Units

Model Names

AC	035	J	X	N	D	E	H	/	AF
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		Buyer

(1) Classification

AC	SINGLE
AM	VRF

(2) Capacity

x 1/10 kW (3 digits)
x 1,000 Btu/h (3 digits)

(3) Version

F	2013
H	2014
J	2015

(4) Product Type

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

(5) Feature1

A	Inv+Side+General Temp
B	Non Inv+Side+General Temp
S	Inv+Side+Low Temp.
N	Non Inv+Side+Low Temp.

(6) Feature2

F	Standrad+Tropical+Non Module
S	Standard
D	Deluxe
P	Premium
C	Deluxe + Low Temp.

(7) Rating Voltage

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

(8) Mode

H	Heat Pump(R410A)
C	Cooling Only(R410A)
E	Heat Pump(R22)
D	Cooling Only(R22)

2 Specifications

4 Way Cassette(600 x 600)

Type				4Way CST (600 x 600)	4Way CST (600 x 600)		
Model Name	Indoor Unit			AC026JNNDEH/AF	AC035JNNDEH/AF		
	Outdoor Unit			AC026JXNDEH/AF	AC035JXNDEH/AF		
System	Mode		-	Heat Pump	Heat Pump		
	Capacity	Cooling(Min/Std/Max)		kW	1.26 / 2.64 / 3.52	1.32 / 3.52 / 3.96	
				Btu/h	4,300 / 9,000 / 12,000	4,500 / 12,000 / 13,500	
		Heating(Min/Std/Max)		kW	1.08 / 3.37 / 4.25	1.17 / 3.99 / 4.40	
				Btu/h	3,700 / 11,500 / 14,500	4,000 / 13,600 / 15,000	
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)	kW	0.30 / 0.68 / 1.20	0.31 / 1.10 / 1.40	
			Heating(Min/Std/Max)	kW	0.23 / 0.87 / 1.30	0.25 / 1.16 / 1.45	
		Current Input (Nominal)	Cooling(Min/Std/Max)	A	1.90 / 3.60 / 5.70	2.00 / 5.30 / 6.50	
			Heating(Min/Std/Max)	A	1.50 / 4.40 / 6.80	1.50 / 5.60 / 7.00	
		MCA		A	9.00 (MCA)	9.00 (MCA)	
		MFA		A	10.00	10.00	
	Energy Efficiency	EER (Nominal Cooling)		-	3.88	3.20	
		COP (Nominal Heating)		-	3.87	3.44	
		Energy Grade		-	-	-	
	Piping Connections	Liquid Pipe		Ø, mm	6.35	6.35	
				Ø, inch	1/4"	1/4"	
		Gas Pipe		Ø, mm	9.52	9.52	
				Ø, inch	3/8"	3/8"	
		Installation Limitation	Max. Length	m	20	20	
			Max. Height	m	15	15	
	Field Wiring	Power Source Wire		Ø, mm	-	-	
		Transmission Cable		Ø, mm	0.75 ~ 1.50	0.75 ~ 1.50	
	Refrigerant	Type		-	R410A	R410A	
Control Method		-	-	-			
Factory Charging		kg	0.80	0.80			
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	
	Fan	Type		-	Turbo Fan	Turbo Fan	
		Motor	Output		W	65 x 1	65 x 1
			Air Flow Rate		High/Mid/Low	CMM	8.00 / 7.10 / 6.30
		External Static Pressure	Min/Std/Max		l/s	133.33 / 118.33 / 105.00	155.00 / 133.33 / 111.67
	mmAq		-	-	-		
	Pa		-	-	-		
	Drain	Drain Pipe		Ø,mm	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	
		Sound	Pressure	High/Mid/Low		33 / 31 / 27	35 / 33 / 29
	Power		Cooling	dB(A)	-	-	
	External Dimension	Net Weight		kg	11.20	11.20	
		Shipping Weight		kg	13.40	13.40	
		Net Dimensions (WxHxD)		mm	575 x 250 x 575	575 x 250 x 575	
		Shipping Dimensions (WxHxD)		mm	623 x 298 x 653	623 x 298 x 653	
	Panel Size	Panel model		-	PC4SUSMAN	PC4SUSMAN	
		Panel Net Weight		kg	2.70	2.70	
		Shipping Weight		kg	4.20	4.20	
		Net Dimensions (WxHxD)		mm	670 x 45 x 670	670 x 45 x 670	
	Shipping Dimensions (WxHxD)		mm	714 x 106 x 724	714 x 106 x 724		
	Additional Accessories	Drain pump	Drain pump	-	-	-	
			Max. Lifting	mm/liter/h	-	-	
	Air Filter		-	-	-		
	Outdoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50
Compressor		Type		-	BLDC Rotary	BLDC Rotary	
		Model		-	UG9A090FUAER	UG9A090FUAER	
		Output		kW	0.84	0.84	
Oil		Type		-	POE	POE	
		Fan	Air Flow Rate	Cooling	CMM	37.00	37.00
l/s				616.67	616.67		
Sound		Pressure	Cooling/Heating	dB(A)	46 / 47	47 / 48	
		Power	Cooling		-	-	
External Dimension		Net Weight		kg	29.50	29.50	
		Shipping Weight		kg	32.00	32.00	
		Net Dimensions (WxHxD)		mm	720 x 548 x 265	720 x 548 x 265	
		Shipping Dimensions (WxHxD)		mm	844 x 622 x 353	844 x 622 x 353	
Operating Temp. Range		Cooling		°C	-5.0 ~ 48.0	-5.0 ~ 48.0	
		Heating		°C	-15.0 ~ 24.0	-15.0 ~ 24.0	

* 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, Refrigerant piping : 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, Refrigerant piping : 5m, Level differences : 0m

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

2 Specifications

4 Way Cassette(600 x 600)

Type				4Way CST (600 x 600)	4Way CST (600 x 600)	
Model Name	Indoor Unit			AC052JNNDEH/AF	AC060JNNDEH/AF	
	Outdoor Unit			AC052JXNDEH/AF	AC060JXNDEH/AF	
System	Mode			Heat Pump	Heat Pump	
	Capacity	Cooling(Min/Std/Max)		kW	1.32 / 4.92 / 5.28	2.08 / 5.71 / 7.77
				Btu/h	4,500 / 16,800 / 18,000	7,100 / 19,500 / 26,500
		Heating(Min/Std/Max)		kW	0.94 / 4.84 / 5.86	1.44 / 5.28 / 7.91
				Btu/h	3,200 / 16,500 / 20,000	4,900 / 18,000 / 27,000
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)	kW	0.35 / 1.60 / 1.85	0.38 / 1.88 / 3.00
			Heating(Min/Std/Max)	kW	0.25 / 1.38 / 2.00	0.27 / 1.50 / 2.90
		Current Input (Nominal)	Cooling(Min/Std/Max)	A	2.20 / 7.50 / 8.50	2.30 / 8.30 / 13.00
			Heating(Min/Std/Max)	A	1.80 / 6.50 / 9.00	1.70 / 6.80 / 12.60
		MCA	A		11.00 (MCA)	21.00 (MCA)
		MFA	A		12.50	25.00
	Energy Efficiency	EER (Nominal Cooling)		-	3.08	3.04
		COP (Nominal Heating)		-	3.50	3.52
		Energy Grade		-	-	-
	Piping Connections	Liquid Pipe		Ø, mm	6.35	6.35
				Ø, inch	1/4"	1/4"
		Gas Pipe		Ø, mm	12.70	15.88
				Ø, inch	1/2"	5/8"
		Installation Limitation	Max. Length	m	30	30
			Max. Height	m	15	15
Field Wiring	Power Source Wire		Ø, mm	-	-	
	Transmission Cable		Ø, mm	0.75 ~ 1.50	0.75 ~ 1.50	
Refrigerant	Type		-	R410A	R410A	
	Control Method		-	-	-	
	Factory Charging		kg	1.00	1.05	
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50
	Fan	Type		-	Turbo Fan	Turbo Fan
		Motor	Output	W	65 x 1	65 x 1
		Air Flow Rate	High/Mid/Low	CMM	12.70 / 11.00 / 9.30	13.80 / 12.00 / 10.50
		External Static Pressure	Min/Std/Max	mmAq	-	-
	Drain	Drain Pipe		Ø,mm	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)
		Pressure	High/Mid/Low		39 / 37 / 34	41 / 38 / 35
	Sound	Power	Cooling	dB(A)	-	-
					-	-
	External Dimension	Net Weight		kg	11.80	11.80
		Shipping Weight		kg	14.00	14.00
		Net Dimensions (WxHxD)		mm	575 x 250 x 575	575 x 250 x 575
		Shipping Dimensions (WxHxD)		mm	623 x 298 x 653	623 x 298 x 653
	Panel Size	Panel model		-	PC4SUSMAN	PC4SUSMAN
		Panel Net Weight		kg	2.70	2.70
		Shipping Weight		kg	4.20	4.20
		Net Dimensions (WxHxD)		mm	670 x 45 x 670	670 x 45 x 670
	Additional Accessories	Shipping Dimensions (WxHxD)		mm	714 x 106 x 724	714 x 106 x 724
		Drain pump	Drain pump	-	-	-
			Max. Lifting	mm/liter/h	-	-
Air Filter		-	-	-		
Outdoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50
	Compressor	Type		-	BLDC Rotary	BLDC Rotary
		Model		-	UG4T150LNBEG	UG4T200FUA4
		Output		kW	1.42	1.79
	Fan	Oil	Type	-	POE	POE
			Air Flow Rate	Cooling	CMM	40.00
	Sound	Pressure	Cooling/Heating	dB(A)	47 / 48	49 / 51
			Power	Cooling		-
	External Dimension	Net Weight		kg	36.00	45.00
		Shipping Weight		kg	39.00	48.00
		Net Dimensions (WxHxD)		mm	790 x 548 x 285	880 x 638 x 310
		Shipping Dimensions (WxHxD)		mm	913 x 622 x 371	1,023 x 730 x 413
	Operating Temp. Range	Cooling		°C	-5.0 ~ 48.0	-5.0 ~ 48.0
		Heating		°C	-15.0 ~ 24.0	-15.0 ~ 24.0

* 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, Refrigerant piping : 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, Refrigerant piping : 5m, Level differences : 0m

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

3 Capacity table

4 Way Cassette(600 x 600)

AC026JNNDEH/AF + AC026JXNDEH/AF

Cooling

TC(Total Capacity), SHC(Sensible Heat Capacity), PI(Power Input)

Outdoor Air Temp. (DB)	Indoor temperature (°C)																							
	20 (DB)			23 (DB)			26 (DB)			27 (DB)			28 (DB)			30 (DB)			32 (DB)					
	14 (WB)		PI(kW)	16 (WB)		PI(kW)	18 (WB)		PI(kW)	19 (WB)		PI(kW)	20 (WB)		PI(kW)	22 (WB)		PI(kW)	24 (WB)		PI(kW)			
TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	
-5.0	10.38	8.30	0.42	10.63	8.50	0.43	10.89	8.71	0.44	11.16	8.93	0.46	11.34	9.07	0.46	11.43	9.14	0.47	11.70	9.36	0.48			
21.0	10.04	8.03	0.49	10.29	8.23	0.50	10.54	8.43	0.51	10.80	8.64	0.52	10.97	8.78	0.53	11.06	8.85	0.54	11.32	9.06	0.55			
35.0	8.37	6.69	0.63	8.57	6.86	0.65	8.78	7.03	0.66	9.00	7.20	0.68	9.14	7.32	0.69	9.22	7.37	0.70	9.44	7.55	0.71			
46.0	7.20	5.76	0.80	7.37	5.90	0.82	7.55	6.04	0.84	7.74	6.19	0.86	7.86	6.29	0.87	7.93	6.34	0.88	8.12	6.49	0.90			
48.0	6.11	4.89	0.61	6.26	5.01	0.62	6.41	5.13	0.64	6.57	5.26	0.65	6.68	5.34	0.66	6.73	5.38	0.67	6.89	5.51	0.68			

Heating

TC : Total Capacity, PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (°C)											
	16.0 (DB)		18.0 (DB)		20.0 (DB)		21.0 (DB)		22.0 (DB)		24.0 (DB)	
	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
-15.0	7.04	0.75	6.97	0.75	6.90	0.74	6.83	0.73	6.76	0.72	6.70	0.72
-10.0	8.56	0.90	8.48	0.89	8.40	0.88	8.31	0.87	8.23	0.86	8.15	0.85
0.0	9.97	0.84	9.87	0.83	9.78	0.83	9.68	0.82	9.58	0.81	9.48	0.80
7.0	11.73	0.89	11.62	0.88	11.50	0.87	11.39	0.86	11.27	0.85	11.16	0.84
24.0	14.55	0.91	14.40	0.90	14.26	0.89	14.12	0.88	13.98	0.87	13.84	0.86

AC035JNNDEH/AF + AC035JXNDEH/AF

Cooling

TC(Total Capacity), SHC(Sensible Heat Capacity), PI(Power Input)

Outdoor Air Temp. (DB)	Indoor temperature (°C)																							
	20 (DB)			23 (DB)			26 (DB)			27 (DB)			28 (DB)			30 (DB)			32 (DB)					
	14 (WB)		PI(kW)	16 (WB)		PI(kW)	18 (WB)		PI(kW)	19 (WB)		PI(kW)	20 (WB)		PI(kW)	22 (WB)		PI(kW)	24 (WB)		PI(kW)			
TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	
-5.0	13.83	11.07	0.69	14.17	11.34	0.70	14.52	11.62	0.72	14.88	11.90	0.74	15.12	12.09	0.75	15.24	12.19	0.75	15.60	12.48	0.77			
21.0	13.39	10.71	0.79	13.72	10.97	0.81	14.05	11.24	0.83	14.40	11.52	0.85	14.63	11.70	0.86	14.75	11.80	0.87	15.10	12.08	0.89			
35.0	11.16	8.93	1.02	11.43	9.14	1.05	11.71	9.37	1.07	12.00	9.60	1.10	12.19	9.75	1.12	12.29	9.83	1.13	12.58	10.07	1.15			
46.0	9.59	7.68	1.29	9.83	7.86	1.32	10.07	8.06	1.35	10.32	8.26	1.39	10.49	8.39	1.41	10.57	8.45	1.42	10.82	8.66	1.45			
48.0	8.14	6.52	0.98	8.34	6.68	1.01	8.55	6.84	1.03	8.76	7.01	1.06	8.90	7.12	1.07	8.97	7.18	1.08	9.19	7.35	1.11			

Heating

TC : Total Capacity PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (°C)											
	16.0 (DB)		18.0 (DB)		20.0 (DB)		21.0 (DB)		22.0 (DB)		24.0 (DB)	
	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
-15.0	8.32	1.01	8.24	1.00	8.16	0.99	8.08	0.98	8.00	0.97	7.92	0.96
-10.0	10.13	1.20	10.03	1.18	9.93	1.17	9.83	1.16	9.73	1.15	9.63	1.14
0.0	11.79	1.12	11.68	1.11	11.56	1.10	11.44	1.09	11.33	1.08	11.22	1.07
7.0	13.87	1.18	13.74	1.17	13.60	1.16	13.46	1.15	13.33	1.14	13.20	1.13
24.0	17.20	1.21	17.03	1.20	16.86	1.18	16.70	1.17	16.53	1.16	16.36	1.15

3 Capacity table

4 Way Cassette(600 x 600)

AC052JNNDEH/AF + AC052JXNDEH/AF

Cooling

TC(Total Capacity), SHC(Sensible Heat Capacity), PI(Power Input)

Outdoor Air Temp. (DB)	Indoor temperature (°C)																				
	20 (DB)			23 (DB)			26 (DB)			27 (DB)			28 (DB)			30 (DB)			32 (DB)		
	14 (WB)			16 (WB)			18 (WB)			19 (WB)			20 (WB)			22 (WB)			24 (WB)		
	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)
-5.0	14.88	11.91	0.60	15.25	12.20	0.61	15.63	12.50	0.62	16.01	12.81	0.64	16.27	13.01	0.65	16.39	13.12	0.66	16.79	13.43	0.67
21.0	15.15	12.12	0.86	15.52	12.41	0.89	15.90	12.72	0.91	16.29	13.03	0.93	16.55	13.24	0.94	16.68	13.34	0.95	17.08	13.67	0.98
35.0	15.62	12.50	1.49	16.00	12.80	1.52	16.40	13.12	1.56	16.80	13.44	1.60	17.07	13.66	1.63	17.20	13.76	1.64	17.62	14.09	1.68
46.0	12.72	10.17	1.63	13.03	10.42	1.67	13.35	10.68	1.71	13.68	10.94	1.75	13.90	11.12	1.78	14.01	11.21	1.79	14.34	11.48	1.84
48.0	11.97	9.58	1.65	12.27	9.82	1.69	12.57	10.06	1.73	12.88	10.30	1.77	13.09	10.47	1.80	13.19	10.55	1.81	13.51	10.80	1.86

Heating

TC : Total Capacity, PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (°C)											
	16.0 (DB)		18.0 (DB)		20.0 (DB)		21.0 (DB)		22.0 (DB)		24.0 (DB)	
	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
-15.0	13.46	2.09	13.33	2.07	13.20	2.05	13.06	2.03	12.93	2.01	12.80	1.99
-10.0	14.38	1.97	14.24	1.95	14.10	1.93	13.95	1.91	13.82	1.89	13.68	1.87
0.0	16.23	1.72	16.07	1.71	15.91	1.69	15.75	1.67	15.59	1.65	15.43	1.64
7.0	16.83	1.41	16.67	1.39	16.50	1.38	16.34	1.37	16.17	1.35	16.01	1.34
24.0	21.31	1.45	21.10	1.44	20.89	1.42	20.68	1.41	20.48	1.40	20.27	1.38

AC060JNNDEH/AF + AC060JXNDEH/AF

Cooling

TC(Total Capacity), SHC(Sensible Heat Capacity), PI(Power Input)

Outdoor Air Temp. (DB)	Indoor temperature (°C)																				
	20 (DB)			23 (DB)			26 (DB)			27 (DB)			28 (DB)			30 (DB)			32 (DB)		
	14 (WB)			16 (WB)			18 (WB)			19 (WB)			20 (WB)			22 (WB)			24 (WB)		
	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)	TC(MBH)	SHC(MBH)	PI(kW)
-5.0	22.48	17.98	1.17	23.03	18.43	1.20	23.60	18.88	1.23	24.18	19.34	1.26	24.57	19.65	1.28	24.76	19.81	1.29	25.35	20.28	1.32
21.0	21.76	17.40	1.35	22.29	17.83	1.38	22.84	18.27	1.41	23.40	18.72	1.45	23.77	19.02	1.47	23.96	19.17	1.48	24.54	19.63	1.52
35.0	18.13	14.50	1.75	18.58	14.86	1.79	19.03	15.23	1.83	19.50	15.60	1.88	19.81	15.85	1.91	19.97	15.97	1.93	20.45	16.36	1.97
46.0	15.59	12.47	2.20	15.97	12.78	2.26	16.37	13.09	2.31	16.77	13.42	2.37	17.04	13.63	2.41	17.17	13.74	2.43	17.58	14.07	2.48
48.0	13.23	10.59	1.68	13.56	10.85	1.72	13.89	11.11	1.76	14.24	11.39	1.80	14.46	11.57	1.83	14.58	11.66	1.85	14.93	11.94	1.89

Heating

TC : Total Capacity PI: Power Input

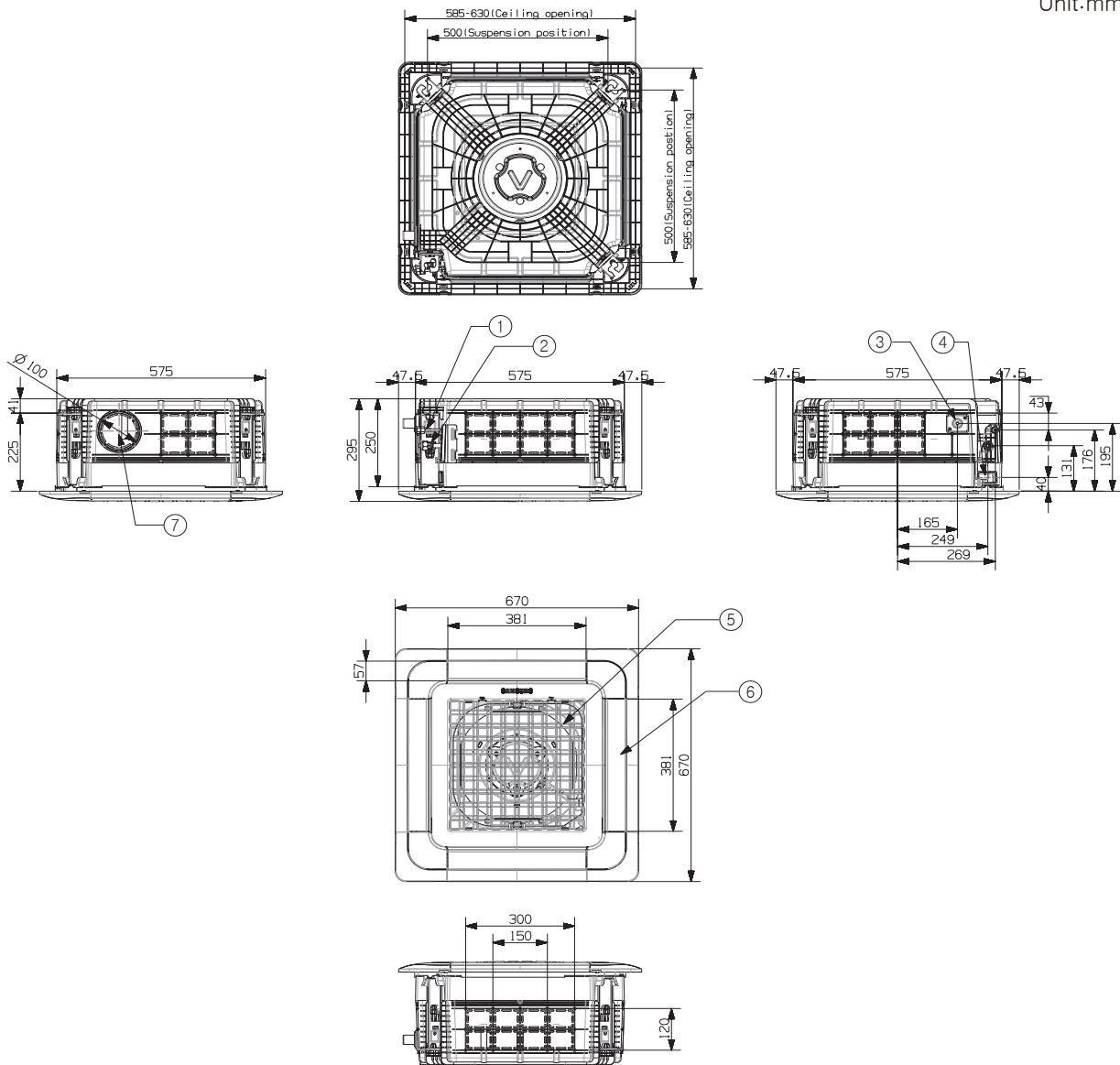
Outdoor Air Temp. (DB)	Indoor temperature (°C)											
	16.0 (DB)		18.0 (DB)		20.0 (DB)		21.0 (DB)		22.0 (DB)		24.0 (DB)	
	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
-15.0	11.02	1.30	10.91	1.29	10.80	1.28	10.69	1.26	10.59	1.25	10.48	1.24
-10.0	13.40	1.55	13.27	1.53	13.14	1.52	13.01	1.50	12.88	1.48	12.75	1.47
0.0	15.61	1.45	15.45	1.44	15.30	1.43	15.15	1.41	15.00	1.40	14.85	1.38
7.0	18.36	1.53	18.18	1.52	18.00	1.50	17.82	1.49	17.64	1.47	17.47	1.46
24.0	22.77	1.56	22.54	1.55	22.32	1.53	22.10	1.51	21.88	1.50	21.66	1.48

4 Dimensional drawing

Indoor : 4 Way Cassette(600 x 600)

AC026JNNDEH/AF, AC035JNNDEH/AF, AC052JNNDEH/AF, AC060JNNDEH/AF

Unit:mm



No.	Name	Description				
		2.6kW	3.5kW	5.2kW	6.0kW	7.1kW
①	Liquid pipe connection	Ø6.35mm (1/4") Flare				
②	Gas pipe connection	Ø9.52mm (3/8") Flare		Ø12.7mm (1/2") Flare	Ø15.88mm (5/8") Flare	
③	Drain pipe connection	VP25 (OD25, ID20)				
④	Conduit for power supply & communication wiring	-				
⑤	Air inlet grille	-				
⑥	Air outlet louver	-				
⑦	Fresh air intake	Ø100				

4 Dimensional drawing

Outdoor

AC026JXNDEH/AF, AC035JXNDEH/AF

Units : mm / inches

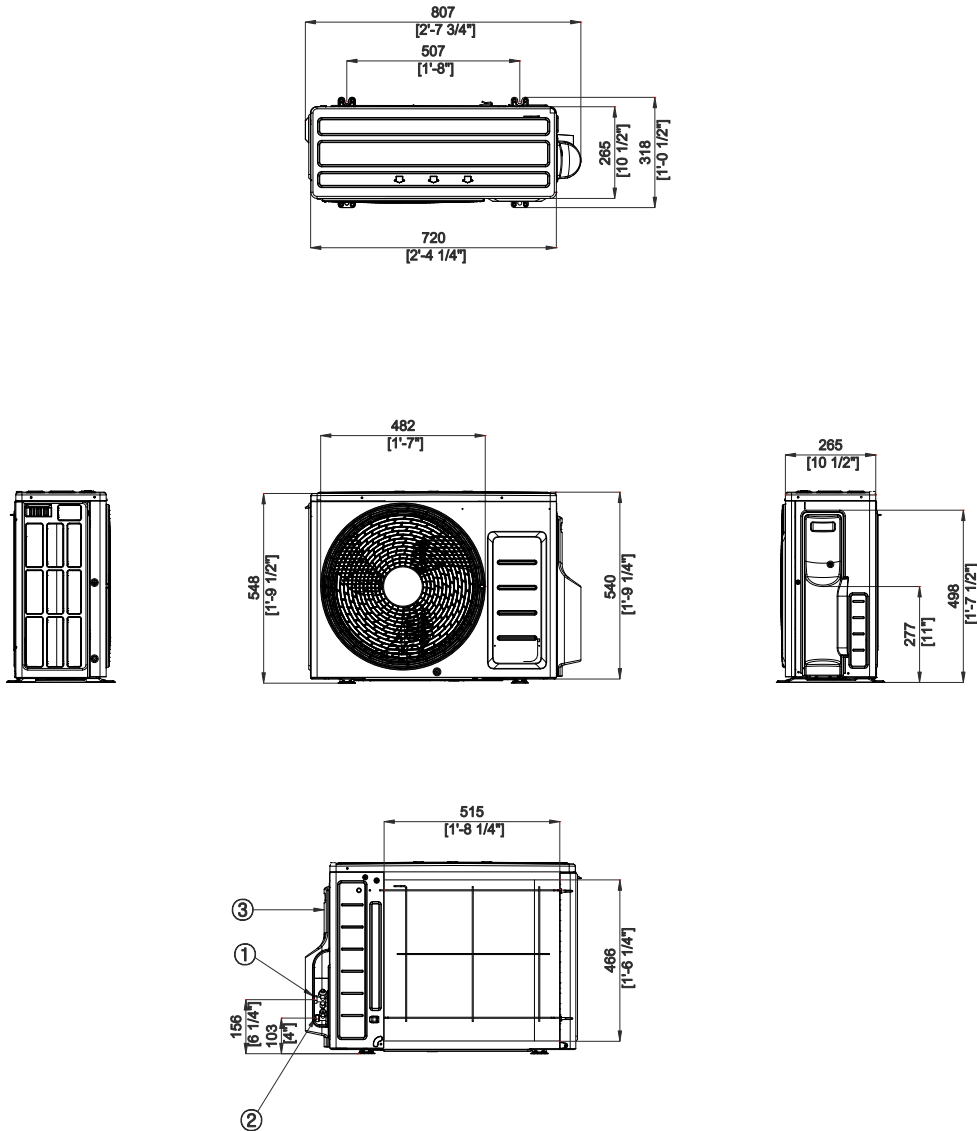


Table of descriptions

1	Refrigerant gas pipe	7	
2	Refrigerant liquid pipe	8	
3	Power & Comm. wiring conduits	9	
4		10	
5		11	
6		12	

4 Dimensional drawing

Outdoor

AC052.JXNDEH/AF

Units : mm / inches

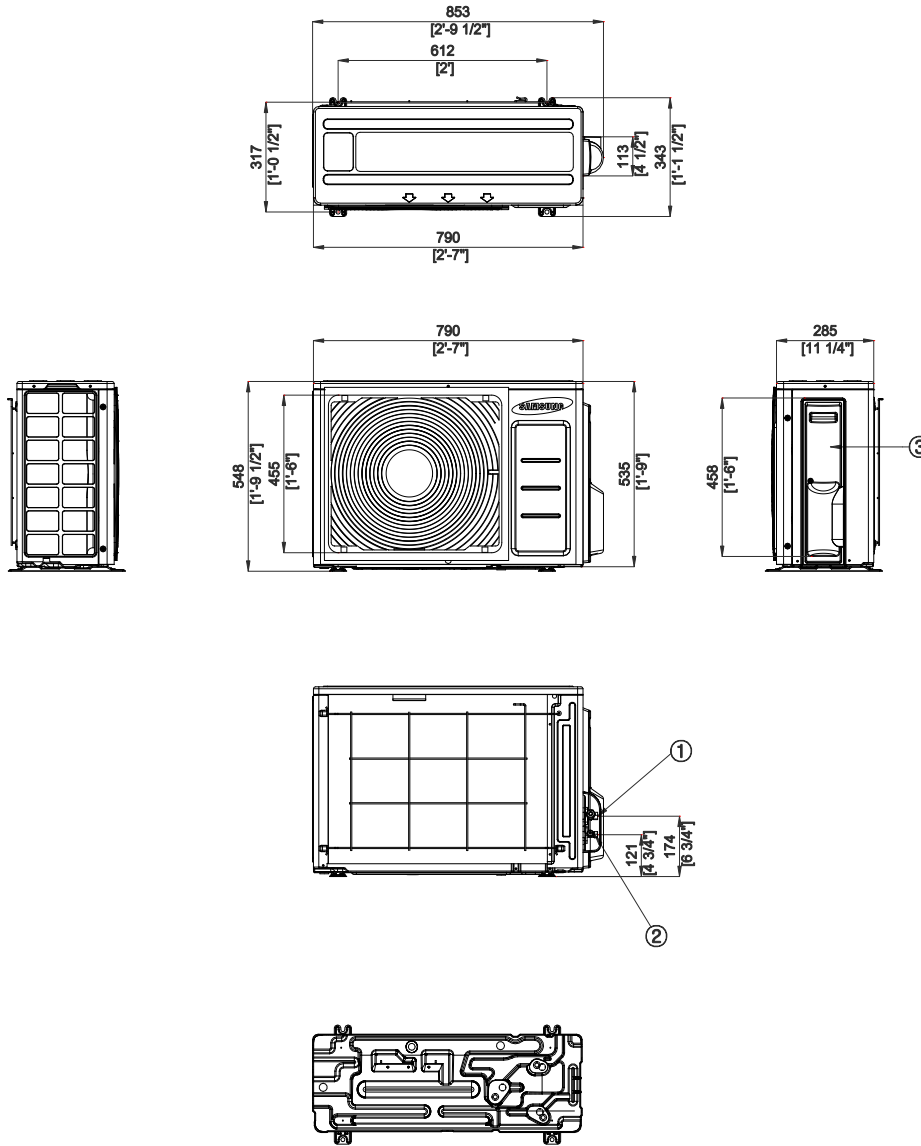


Table of descriptions

1	Refrigerant gas pipe	7	
2	Refrigerant liquid pipe	8	
3	Power & Comm. wiring conduits	9	
4		10	
5		11	
6		12	

4 Dimensional drawing

Outdoor

AC060JXNDEH/AF

Units : mm / inches

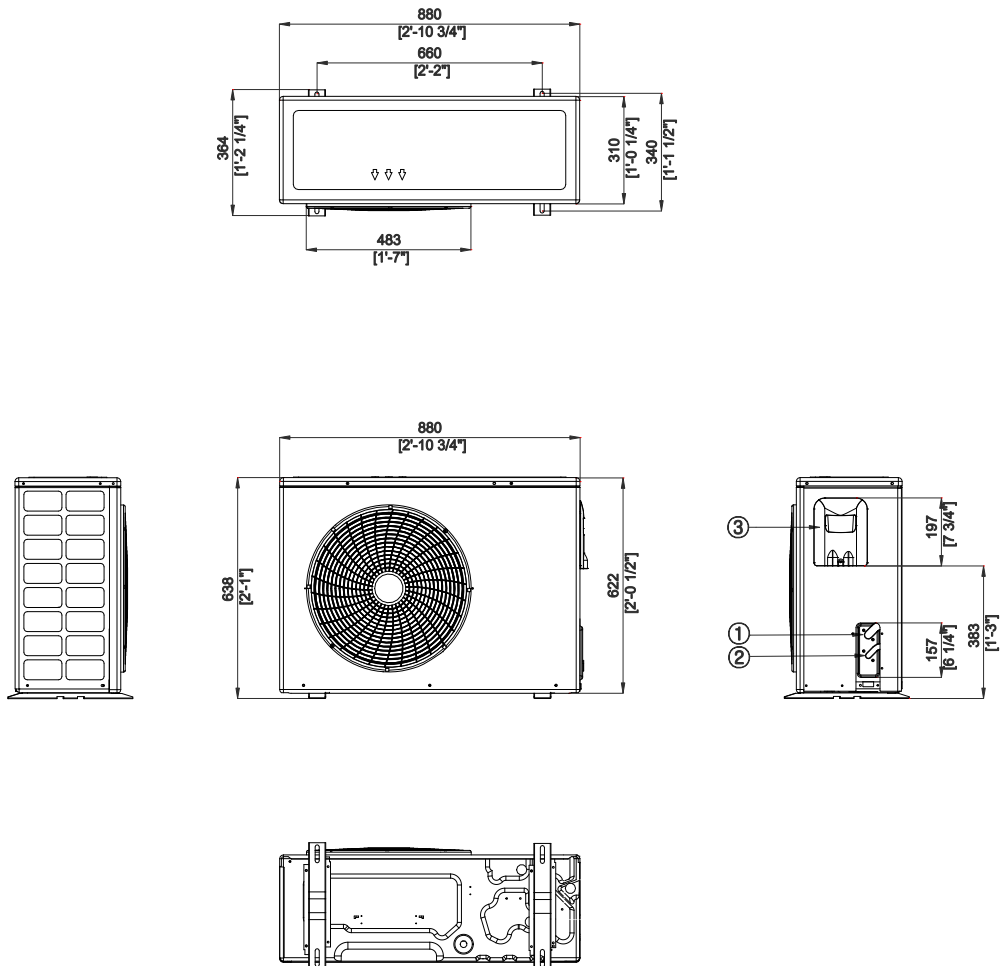


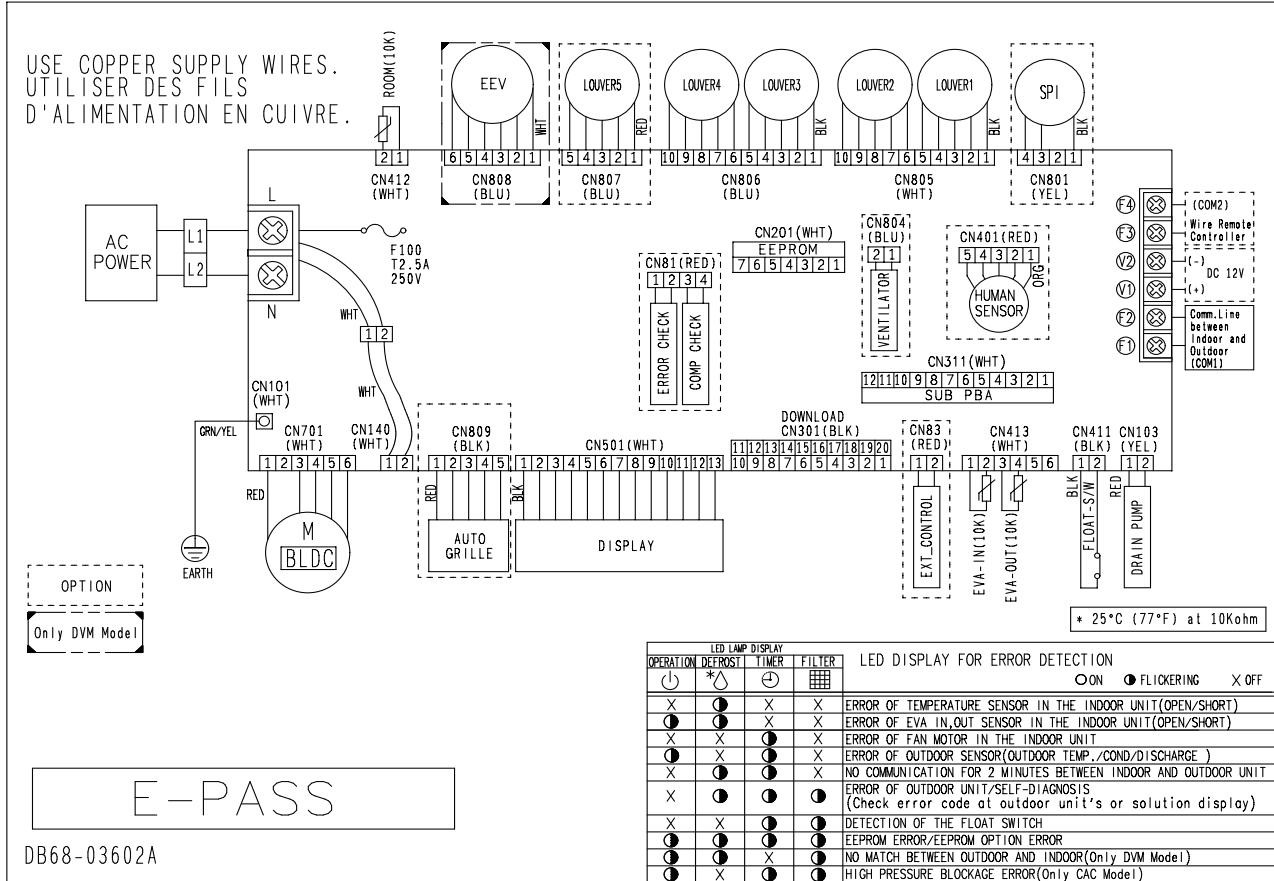
Table of descriptions

1	Refrigerant gas pipe	7	
2	Refrigerant liquid pipe	8	
3	Power & Comm. wiring conduits	9	
4		10	
5		11	
6		12	

5 Electrical wiring diagram

Indoor : 4 Way Cassette(600 x 600)

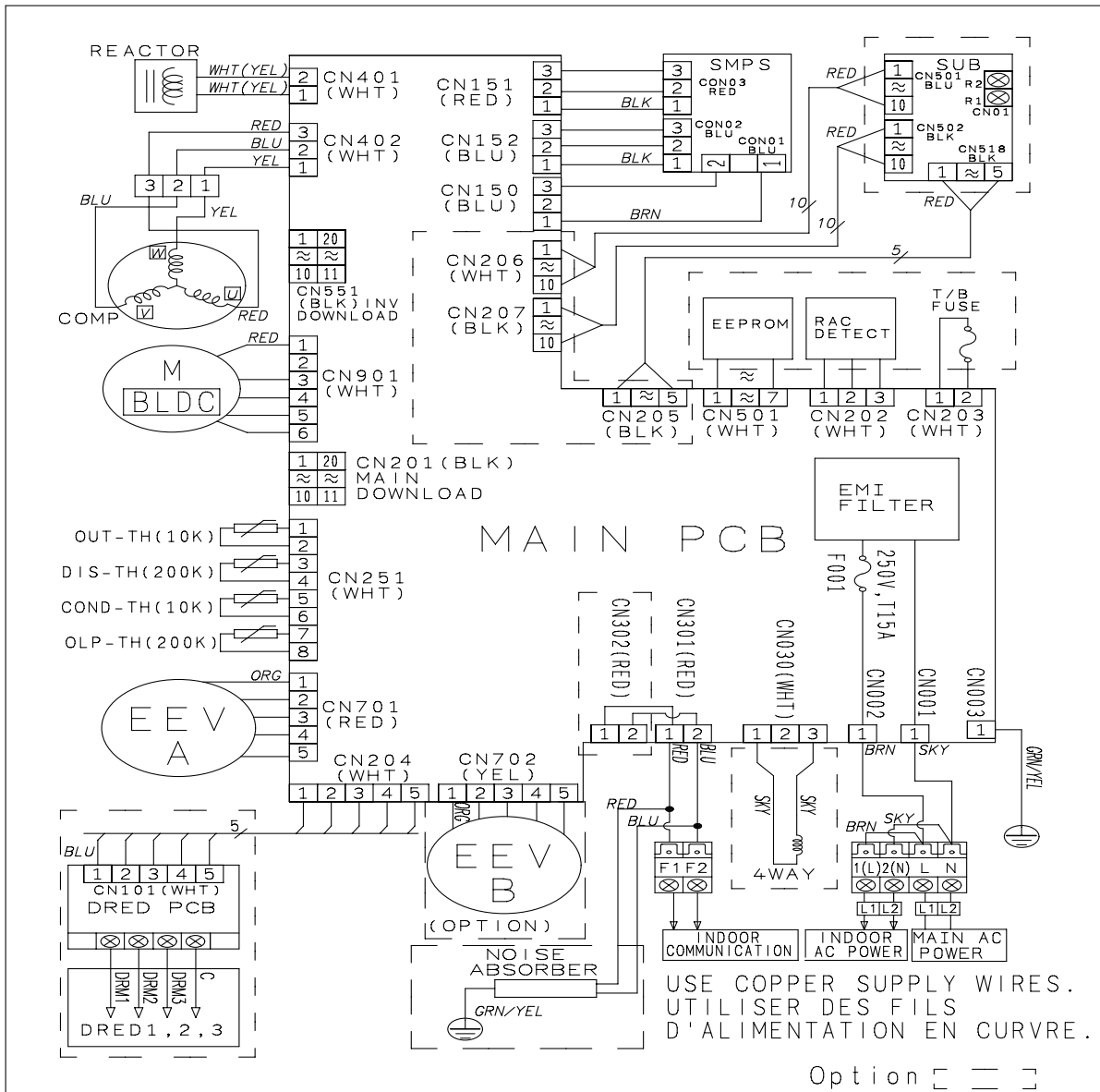
AC026JNNDEH/AF, AC035JNNDEH/AF, AC052JNNDEH/AF, AC060JNNDEH/AF



5 Electrical wiring diagram

Outdoor

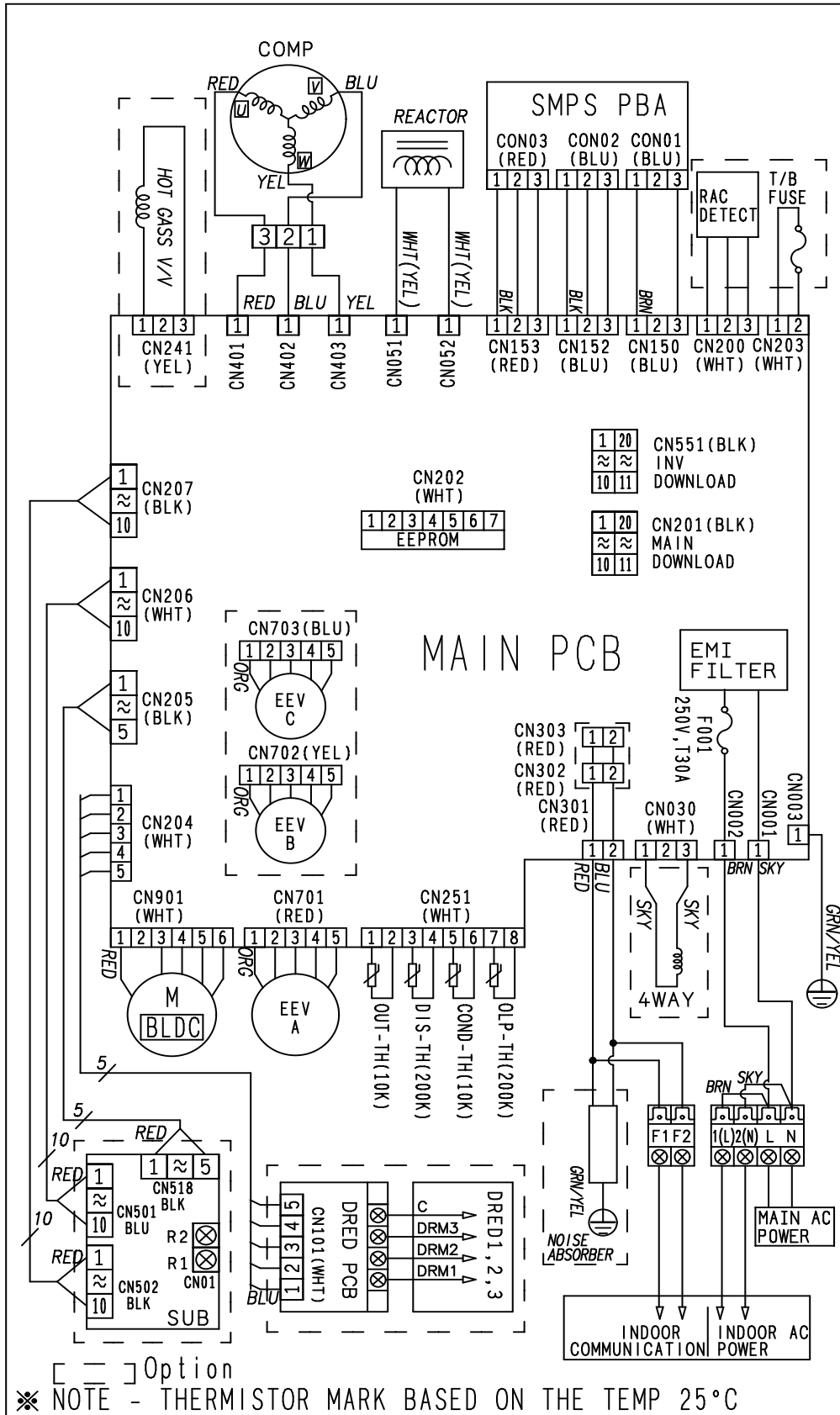
AC026JXNDEH/AF, AC035JXNDEH/AF, AC052JXNDEH/AF



5 Electrical wiring diagram

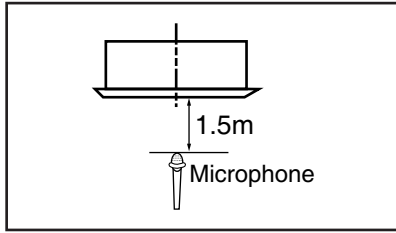
Outdoor

AC060JXNDEH/AF



6 Sound pressure level

Indoor : 4 Way Cassette(600 x 600)



Unit: dB(A)

Model	High	Low
AC026JNNDEH/AF (ODU : AC026JXNDEH/AF)	33	27
AC035JNNDEH/AF (ODU : AC035JXNDEH/AF)	35	29
AC052JNNDEH/AF (ODU : AC052JXNDEH/AF)	39	34
AC060JNNDEH/AF (ODU : AC060JXNDEH/AF)	41	35

Note

* Specifications may be subject to change without prior notice

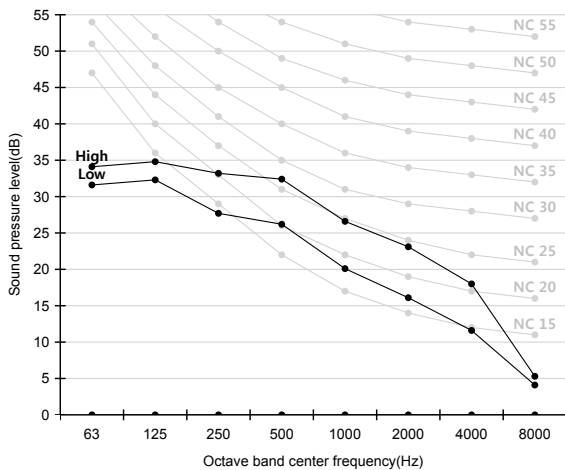
1) These operation values were obtained in an anechoic room.

2) Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.

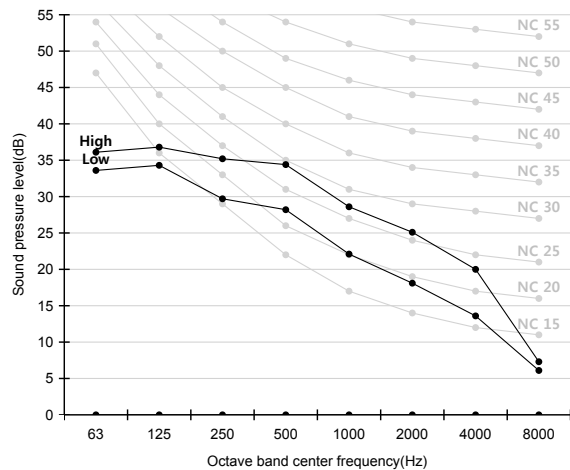
3) Operation sound level may differ depending on operation and ambient conditions.

NC curve

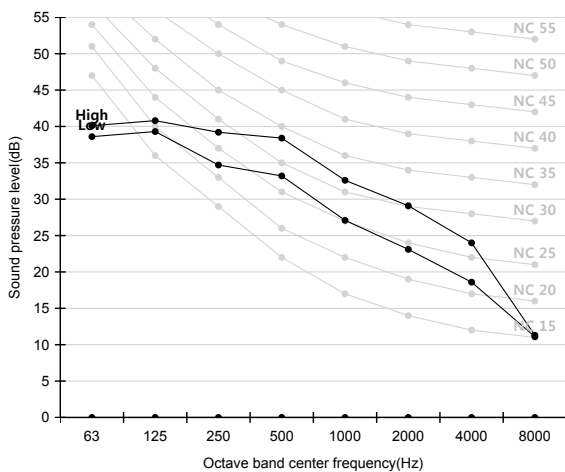
1) AC026JNNDEH/AF (ODU : AC026JXNDEH/AF)



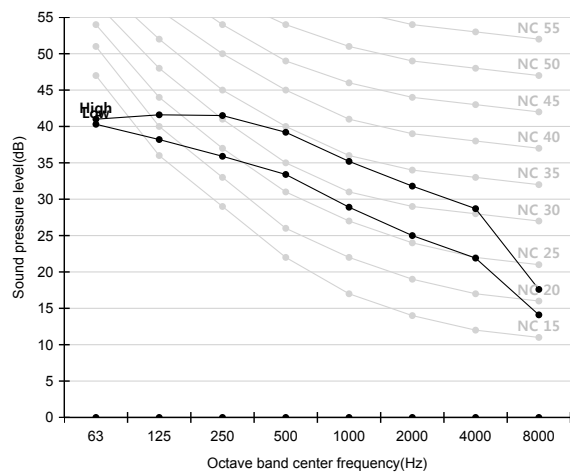
2) AC035JNNDEH/AF (ODU : AC035JXNDEH/AF)



3) AC052JNNDEH/AF (ODU : AC052JXNDEH/AF)

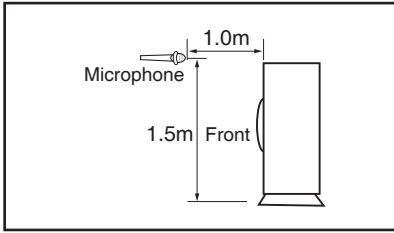


4) AC060JNNDEH/AF (ODU : AC060JXNDEH/AF)



6 Sound pressure level

Outdoor



Unit: dB(A)	
Model	Cooling
AC026JXNDEH/AF (IDU : AC026JNNDEH/AF)	46
AC035JXNDEH/AF (IDU : AC035JNNDEH/AF)	47
AC052JXNDEH/AF (IDU : AC052JNNDEH/AF)	47
AC060JXNDEH/AF (IDU : AC060JNNDEH/AF)	49

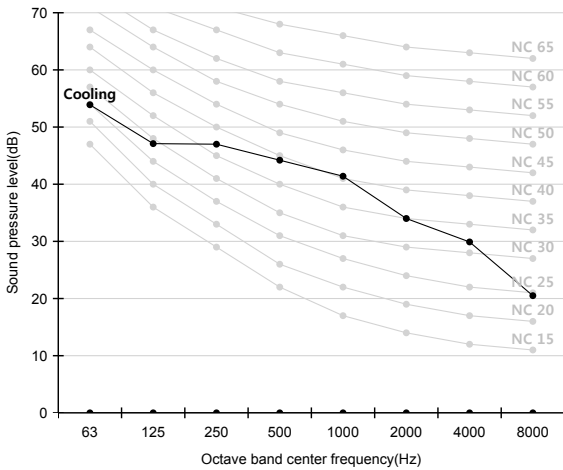
Note

* Specifications may be subject to change without prior notice

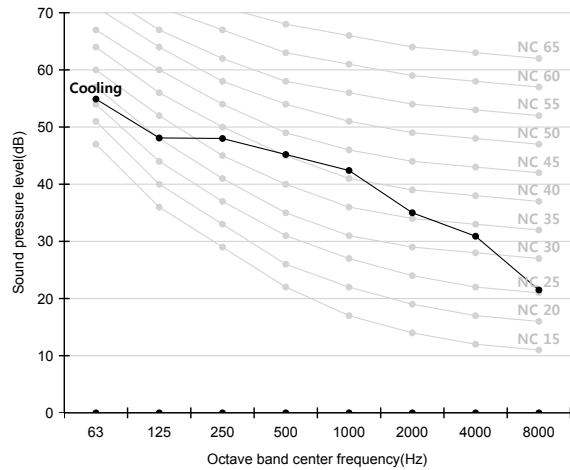
- 1) These operation values were obtained in an anechoic room.
- 2) Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- 3) Operation sound level may differ depending on operation and ambient conditions.

NC curve

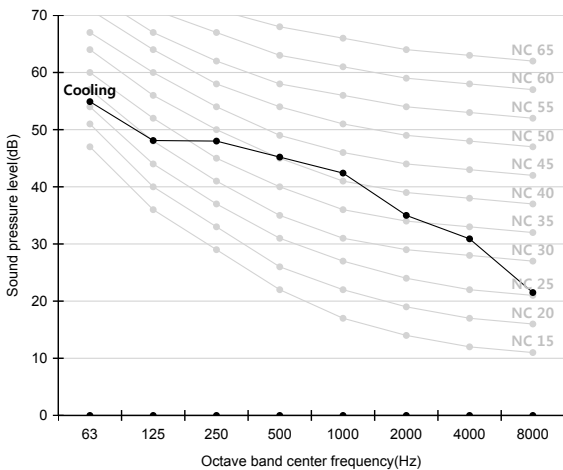
1) AC026JXNDEH/AF (IDU : AC026JNNDEH/AF)



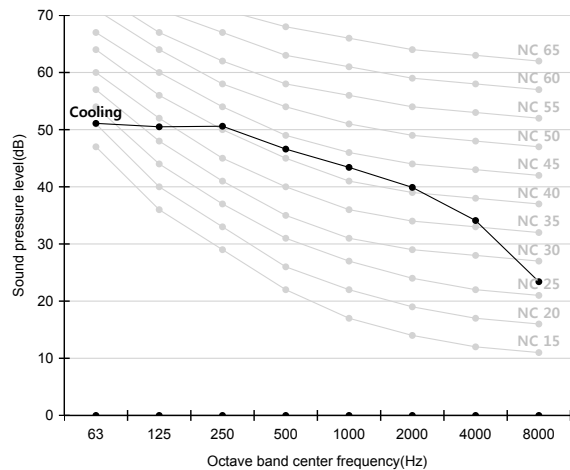
2) AC035JXNDEH/AF (IDU : AC035JNNDEH/AF)



3) AC052JXNDEH/AF (IDU : AC052JNNDEH/AF)



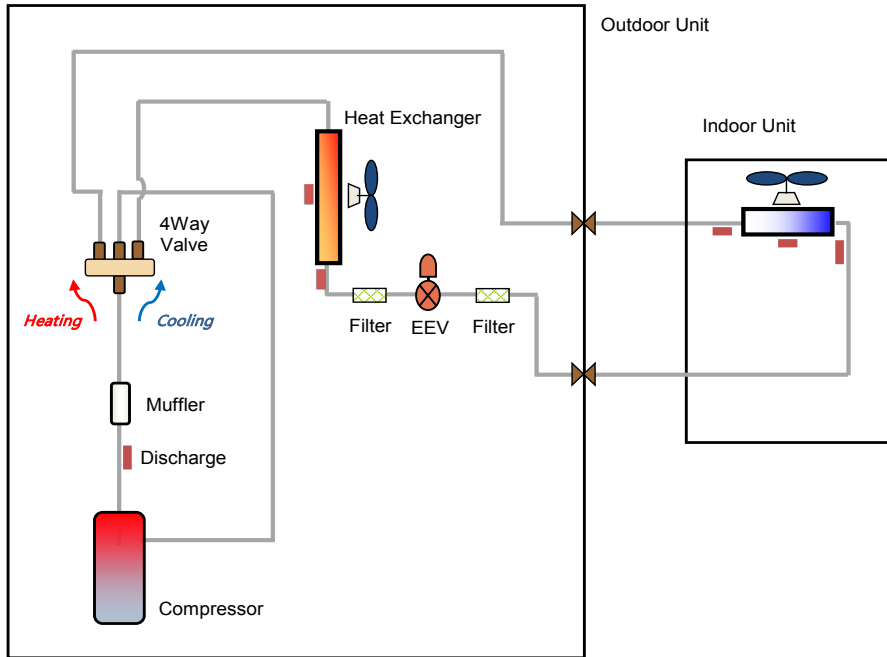
4) AC060JXNDEH/AF (IDU : AC060JNNDEH/AF)



7 Cycle diagram

Outdoor

AC026JXNDEH/AF, AC035JXNDEH/AF

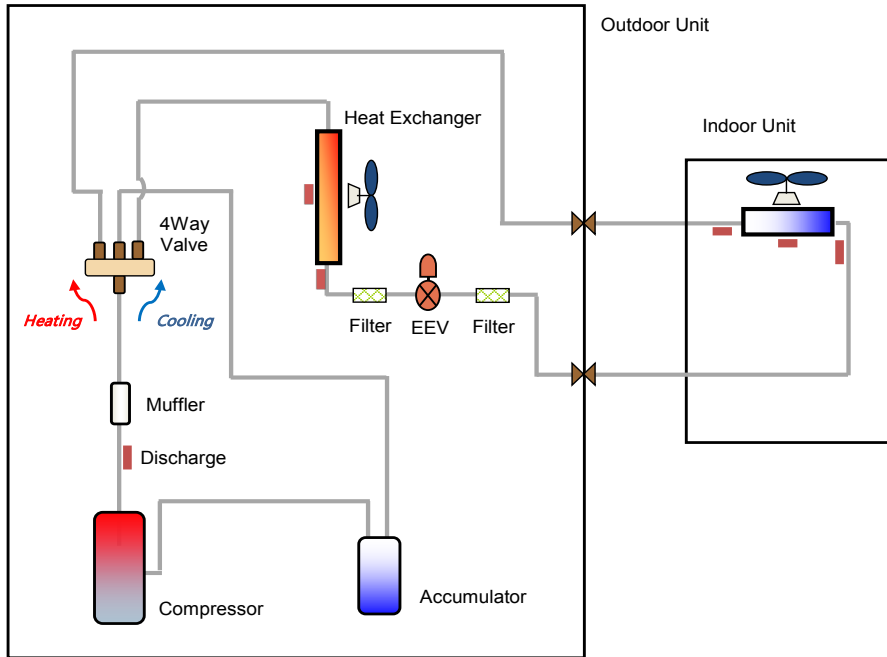


Category	Symbol	Description	
Compressor		Rotary Inverter Compressor	
Heat Exchanger		Condensing/Evaporating unit(FMC)	
Filter		Filter	
Valve	Expansion		Electronic Expansion Valve(EEV)
	Reversing		4 Way valve (Reversing valve)
	Service		Service valve
Senser	Temperature		Pip/Air Temperature sensor

7 Cycle diagram

Outdoor

AC052JXNDEH/AF, AC060JXNDEH/AF



Category	Symbol	Description	
Compressor		Rotary Inverter Compressor	
Heat Exchanger		Condensing/Evaporating unit(FMC)	
Accumulator		Accumulator	
Filter		Filter	
Valve	Expansion		Electronic Expansion Valve(EEV)
	Reversing		4 Way valve (Reversing valve)
	Service		Service valve
Senser	Temperature		Pip/Air Temperature sensor

8 Capacity correction

Outdoor

AC026JNNDEH/AF + AC026JXNDEH/AF

Cooling

		Pipe Length (m)							
		5	10	15	20	60	65	70	75
Level Difference (m)	15	-	-	0.90	0.90	-	-	-	-
	10	-	1.00	0.90	0.90	-	-	-	-
	5	1.00	1.00	0.90	0.90	-	-	-	-
	0	1.00	1.00	0.90	0.90	-	-	-	-
	-5	1.00	0.90	0.90	0.90	-	-	-	-
	-10	-	0.90	0.90	0.80	-	-	-	-
	-15	-	-	0.90	0.80	-	-	-	-

Heating

		Pipe Length (m)								
		5	10	15	20	55	60	65	70	75
Level Difference (m)	15	-	-	0.90	0.90	-	-	-	-	-
	10	-	1.00	0.90	0.90	-	-	-	-	-
	5	1.00	1.00	0.90	0.90	-	-	-	-	-
	0	1.00	1.00	0.90	0.90	-	-	-	-	-
	-5	1.00	1.00	0.90	0.90	-	-	-	-	-
	-10	-	1.00	0.90	0.90	-	-	-	-	-
	-15	-	-	0.90	0.90	-	-	-	-	-

AC035JNNDEH/AF + AC035JXNDEH/AF

Cooling

		Pipe Length (m)						
		5	10	15	20	65	70	75
Level Difference (m)	15	-	-	0.90	0.90	-	-	-
	10	-	1.00	0.90	0.90	-	-	-
	5	1.00	1.00	0.90	0.90	-	-	-
	0	1.00	1.00	0.90	0.90	-	-	-
	-5	1.00	0.90	0.90	0.90	-	-	-
	-10	-	0.90	0.90	0.80	-	-	-
	-15	-	-	0.90	0.80	-	-	-

Heating

		Pipe Length (m)						
		5	10	15	20	65	70	75
Level Difference (m)	15	-	-	0.90	0.90	-	-	-
	10	-	1.00	0.90	0.90	-	-	-
	5	1.00	1.00	0.90	0.90	-	-	-
	0	1.00	1.00	0.90	0.90	-	-	-
	-5	1.00	1.00	0.90	0.90	-	-	-
	-10	-	1.00	0.90	0.90	-	-	-
	-15	-	-	0.90	0.90	-	-	-

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Ver.1.1

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B2B PM / SE

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