SAMSUNG

VRF

Technical Data Book

BORACAY for Middle East_CIS

(R410A, 50Hz, HP)



AM***KN*DEH/TK

History

Version	Modification	Date	Remark
Ver. 1.0	Release BORACAY TDB for Middle East & CIS	16. 09. 30	
Ver. 1.01	Modify the Accessory Compatibility table for MCU kit(P47)	17. 09. 13	
Ver. 1.1	Updated the note of Specification/Sound/Installation page	19.08.14	

Nomenclature

Indoor Unit

Model name

AM	071	K	N	T	D	E	H	/	TK
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		Buyer

(1) Classification

AM	DVM

(2) Capacity

X 100 Watt (3 digits)

(3) Version

K	2016
M	2017

(4) Product Type

N	Indoor Unit
X	Outdoor Unit

(5) Product Notation

T	EEV NOT INCLUDED
Q	EEV INCLUDED

(6) Feature

D	DELUXE

(7) Rating Voltage

E	1Ø, 220~240V, 50Hz
C	1Ø, 208~230V, 60Hz

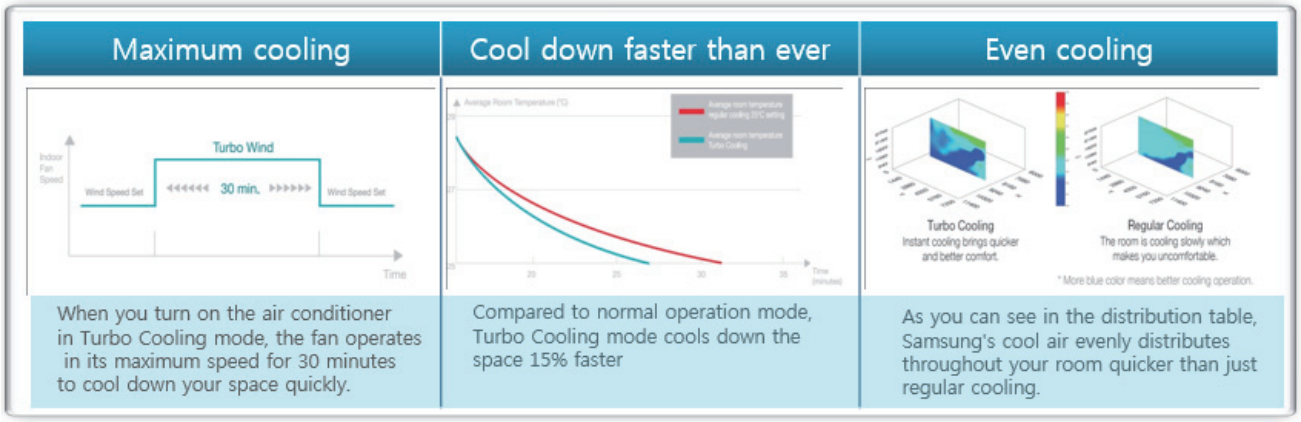
(8) Mode

C	Cooling Only (R410A)
H	Heat Pump (R410A)

Features & Benefits

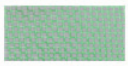
TURBO Cooling mode

Samsung's air conditioner operates in its maximum speed in Turbo Cooling mode to quickly reach the set temperature. Instantly cool down your space with Samsung's Turbo Cooling technology.



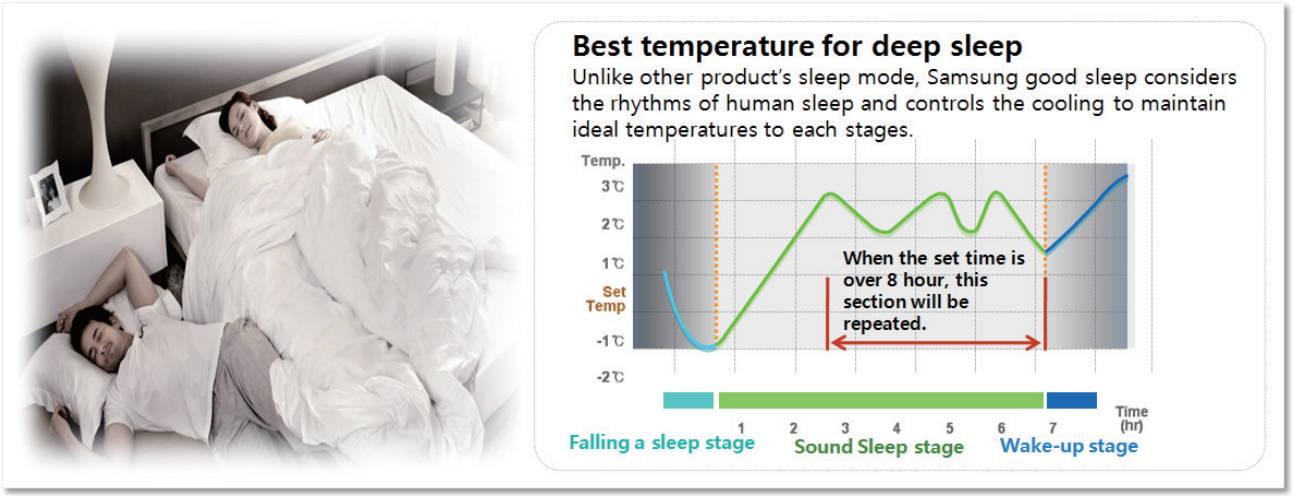
Full HD Filter

Full HD 80 Filter filtrates dust particles by up to 80%.

	Image (x 40)	Fiber Dia.(㎛)	Dust collection
FULL HD FILTER		**60**	**80%**
Conventional		211	40%

Good sleep

The quality of sleep you get directly impacts your physical and mental health. Concerned with your health, Samsung performed extensive experiments to determine the ideal temperatures needed to quickly fall asleep.



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1. Specification

BORACAY

Type				WALL MOUNTED	WALL MOUNTED	WALL MOUNTED
Model CODE				AM022KNTDEH/TK	AM028KNTDEH/TK	AM036KNTDEH/TK
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
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	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	9.7	10.2	10.2
	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

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1. Specification

BORACAY

Type				WALL MOUNTED	WALL MOUNTED	WALL MOUNTED
Model CODE				AM045KNTDEH/TK	AM056KNTDEH/TK	AM071KNTDEH/TK
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
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	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.
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1. Specification

BORACAY

Type				WALL MOUNTED	WALL MOUNTED	WALL MOUNTED
Model CODE				AM022KNQDEH/TK	AM028KNQDEH/TK	AM036KNQDEH/TK
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
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	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	10.2	10.6	10.6
	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.
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1. Specification

BORACAY

Type				WALL MOUNTED	WALL MOUNTED	WALL MOUNTED
Model CODE				AM045KNQDEH/TK	AM056KNQDEH/TK	AM071KNQDEH/TK
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
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	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 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.
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2. Summary Table

BORACAY

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/TK (AM022KNQDEH/TK)	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/TK (AM028KNQDEH/TK)	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/TK (AM036KNQDEH/TK)	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/TK (AM045KNQDEH/TK)	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/TK (AM056KNQDEH/TK)	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/TK (AM071KNQDEH/TK)	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/TK	1Ø/220~240V/50Hz	32/35	0.20/0.20	0.3	15	0.22
AM028KN*DEH/TK	1Ø/220~240V/50Hz	38/39	0.22/0.22	0.4	15	0.25
AM036KN*DEH/TK	1Ø/220~240V/50Hz	42/42	0.23/0.23	0.4	15	0.25
AM045KN*DEH/TK	1Ø/220~240V/50Hz	47/47	0.27/0.27	0.4	15	0.30
AM056KN*DEH/TK	1Ø/220~240V/50Hz	48/48	0.27/0.27	0.4	15	0.30
AM071KN*DEH/TK	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

3. Capacity Table

BORACAY

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

3. Capacity Table

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

3. Capacity Table

BORACAY

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
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

3. Capacity Table

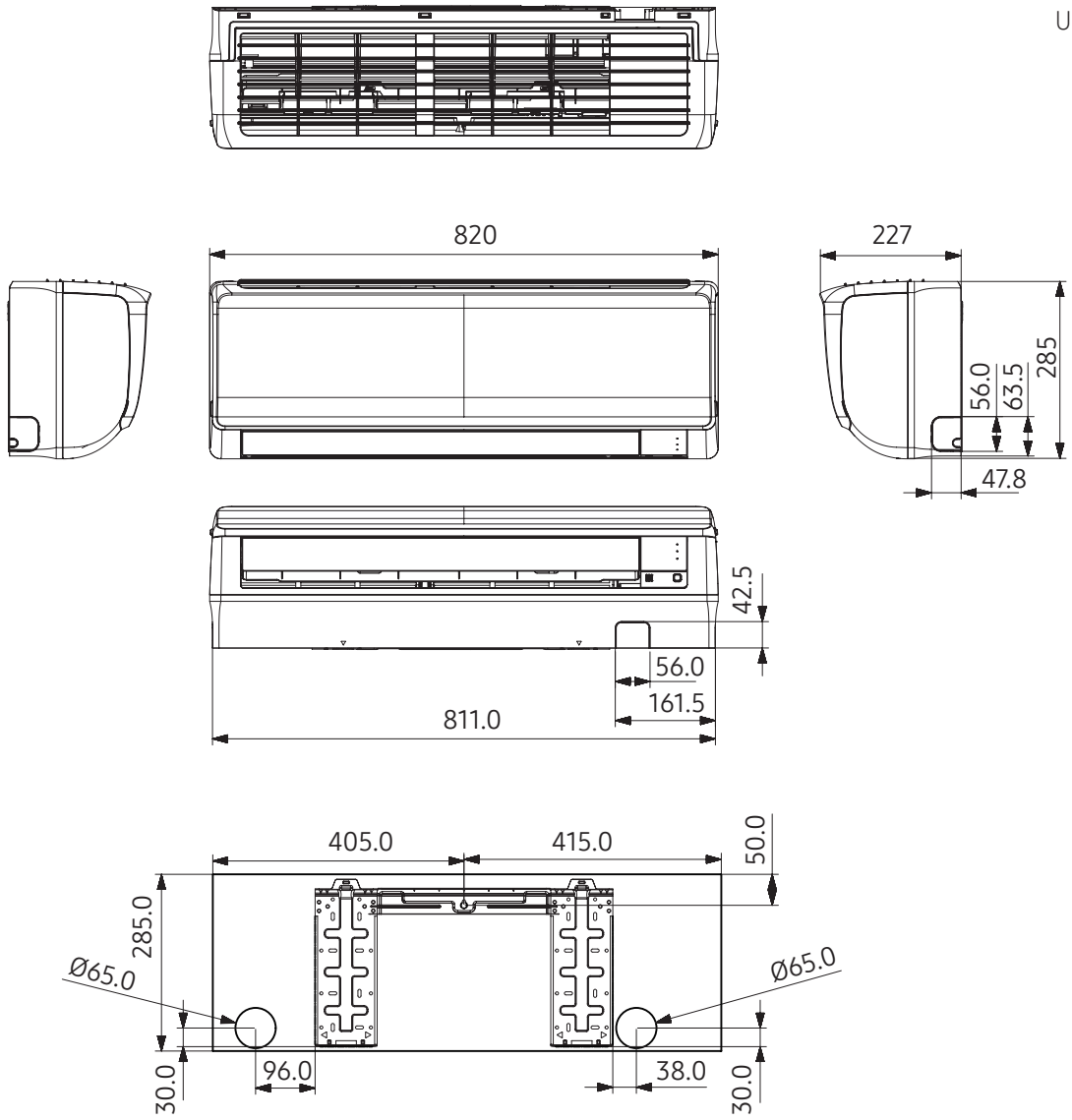
Model	Outdoor temperature (°C)		Indoor temperature (°C, WB)				
			16.0	18.0	20.0	22.0	24.0
			TC	TC	TC	TC	TC
	DB	WB	kW	kW	kW	kW	kW
4.50	-20	-21	3.10	3.02	3.02	2.94	2.94
	-17	-18	3.17	3.17	3.10	3.02	3.02
	-15	-16	3.33	3.25	3.17	3.10	3.02
	-12	-13	3.49	3.41	3.33	3.33	3.25
	-10	-11	3.65	3.65	3.57	3.49	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

4. Dimensional Drawing

BORACAY

AM022/028/036KN*D*****

Unit : mm



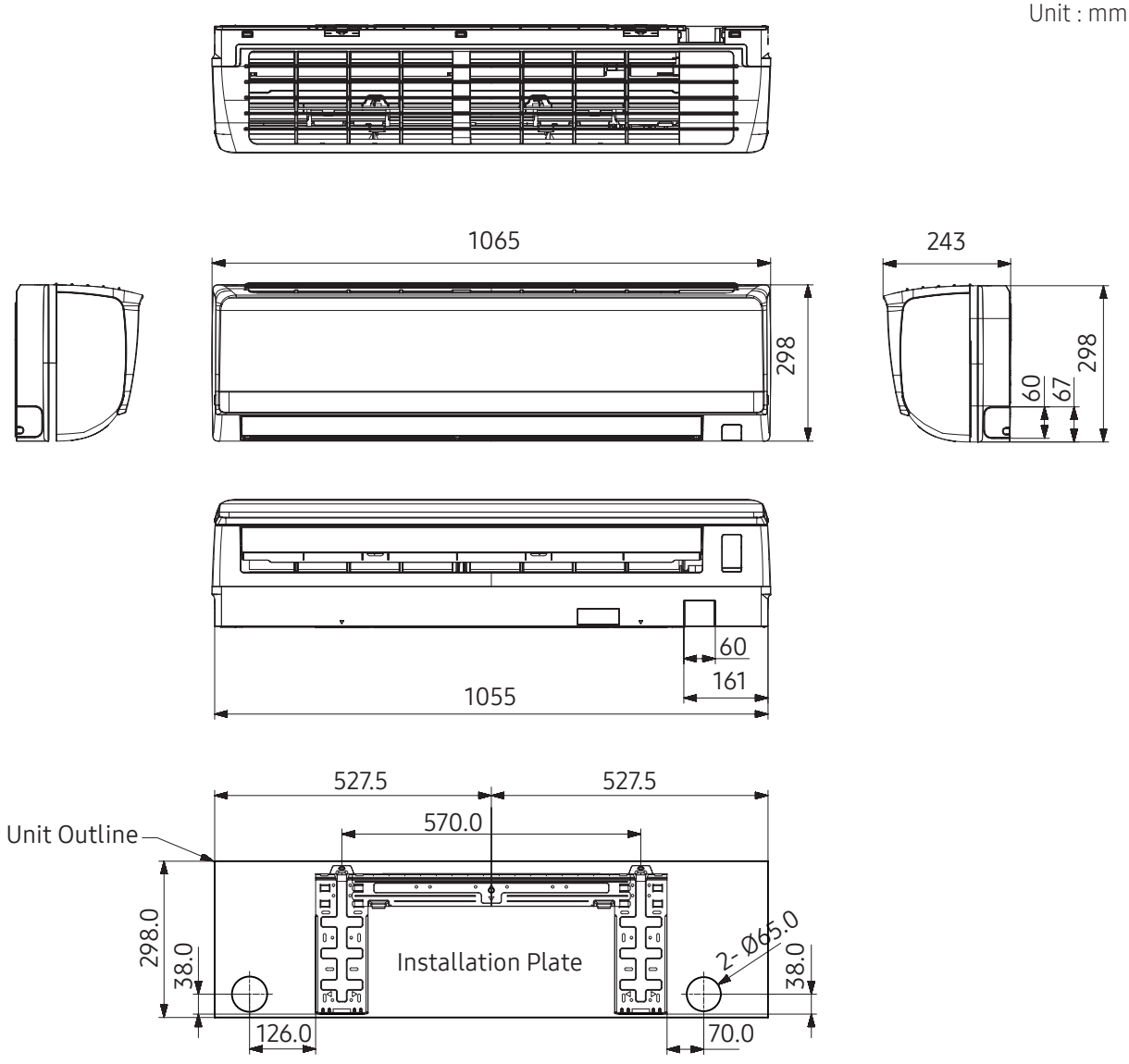
No.	Name	Description
1	Liquid pipe connection	Ø6.35 (Ø1/4)
2	Gas pipe connection	Ø12.7 (Ø1/2)
3	Drain pipe connection	ID 18 HOSE
4	Power & Communication wiring conduit	

4. Dimensional Drawing

BORACAY

AM045/056/071KN*D****

Unit : mm

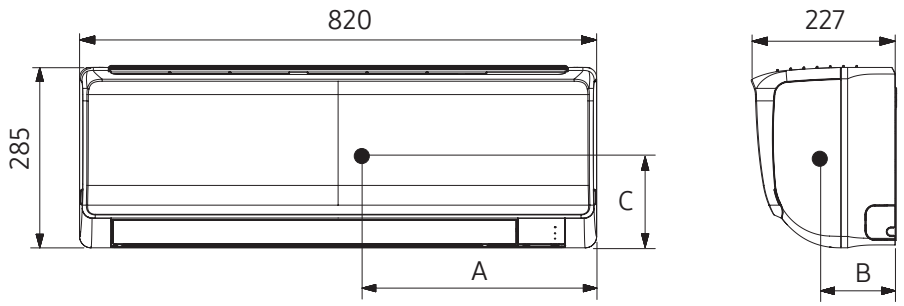


No.	Name	Description	
		045 / 056	071
1	Liquid pipe connection	Ø6.35 (Ø1/4)	Ø9.52 (Ø3/8)
2	Gas pipe connection	Ø12.7 (Ø1/2)	Ø15.88 (Ø5/8)
3	Drain pipe connection	ID 18 HOSE	
4	Power & Communication wiring conduit		

5. Center of Gravity

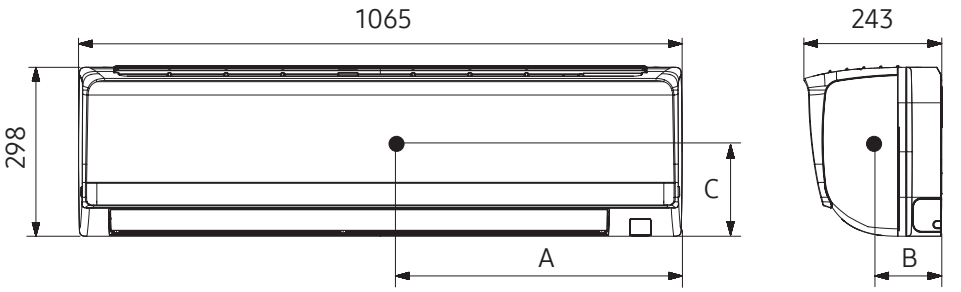
BORACAY

AM022/028/036KN*D*****



A	B	C
375	105	155

AM045/056/071KN*D*****

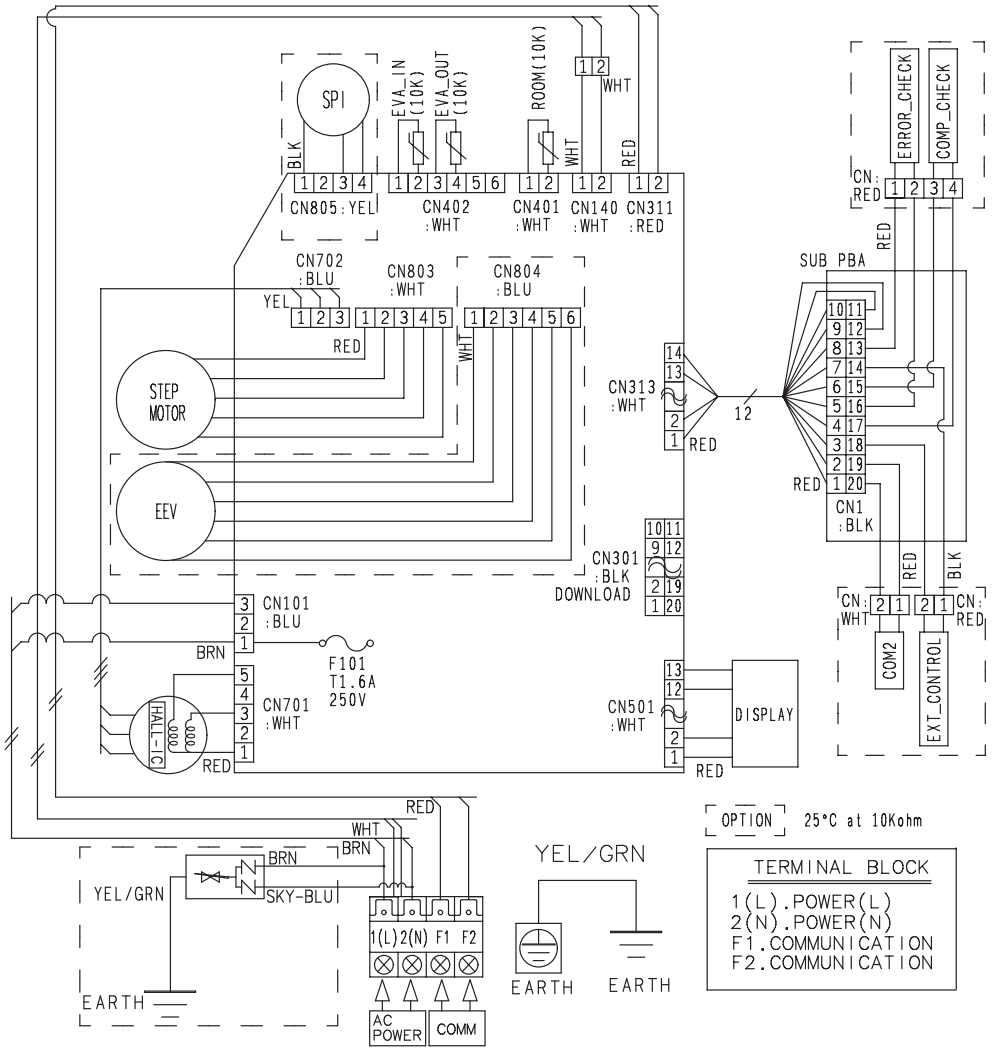


A	B	C
460	120	160

6. Electrical Wiring Diagram

BORACAY

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

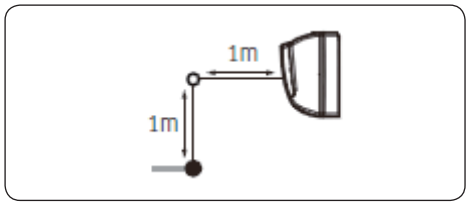
- This wiring diagram applies only to the Indoor unit.
- Symbols show as follow :
  BLK: black, RED: red, BLU: blue, WHT: white, YEL: yellow, BRN: brown, sky: sky blue, GRN: green
- For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remote controller transmission F3-F4.
- Protective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

EARTH EARTH

7. Sound Data

BORACAY

Sound Pressure Level

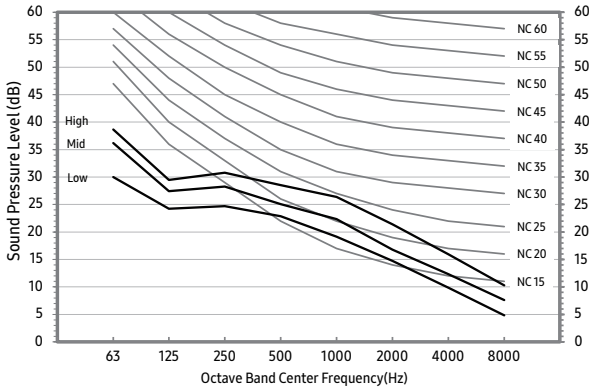


Unit: dB(A)

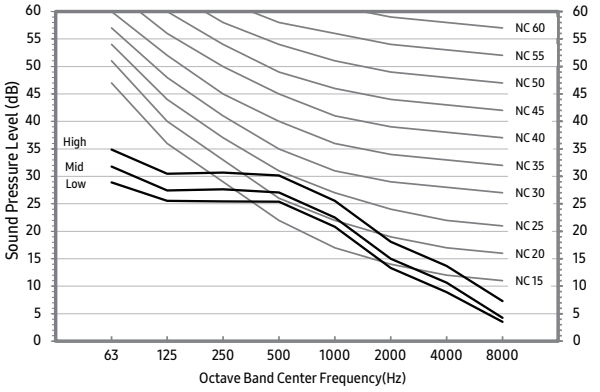
MODEL	Hi	MID	LOW
AM022KN*D*****	31	28	25
AM028KN*D*****	31	29	26
AM036KN*D*****	36	33	29
AM045KN*D*****	38	35	33

NC Curve

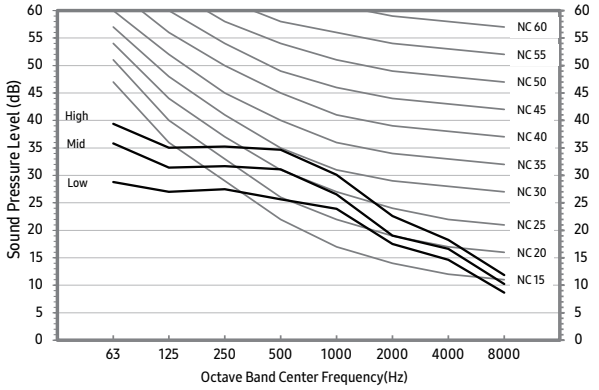
1) AM022KN*D*****



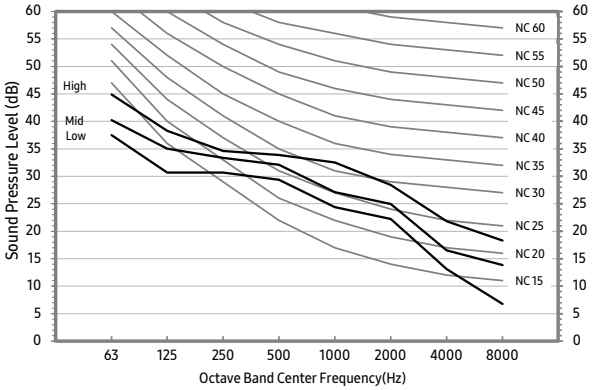
2) AM028KN*D*****



3) AM036KN*D*****



4) AM045KN*D*****



NOTE

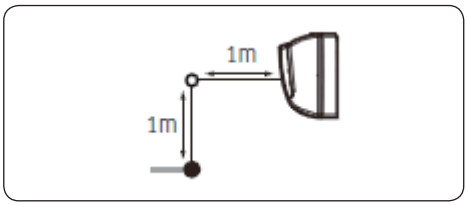
- Specifications may be subject to change without prior notice
- Sound Pressure Level
  - Sound Pressure level is obtained in an anechoic room.
  - Sound Pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound Pressure level may differ depending on operation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

※ The concept of RAC with EEV included is commercial application only. Residential application such as Hotel, Hospital, Houses where the very quiet surrounding is required should be avoided to prevent such a noise claim.

7. Sound Data

BORACAY

Sound Pressure Level

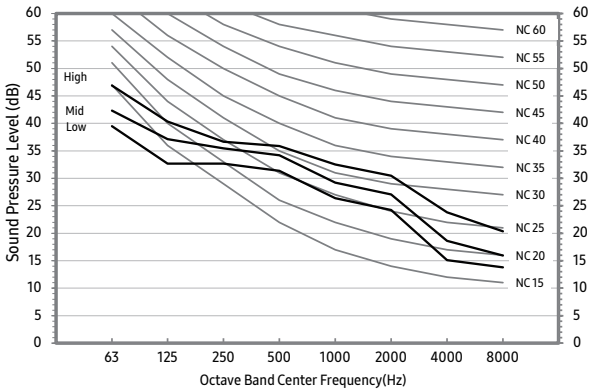


Unit: dB(A)

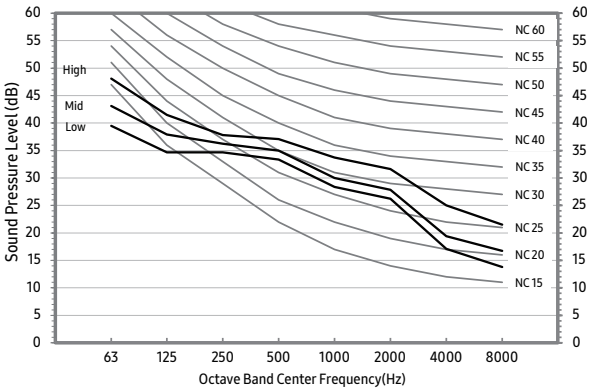
MODEL	Hi	MID	LOW
AM056KN*D*****	39	36	33
AM071KN*D*****	40	38	35

NC 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

※ The concept of RAC with EEV included is commercial application only. Residential application such as Hotel, Hospital, Houses where the very quiet surrounding is required should be avoided to prevent such a noise claim.

7. Sound Data

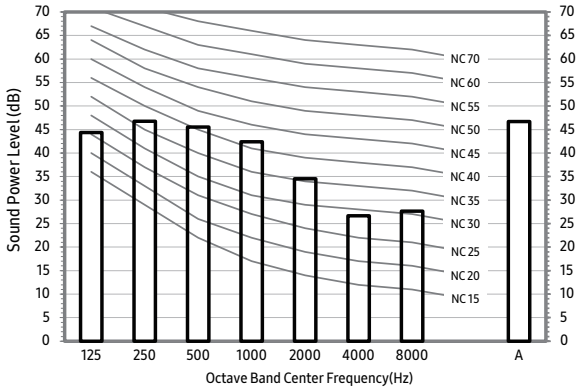
BORACAY

Sound Power Level

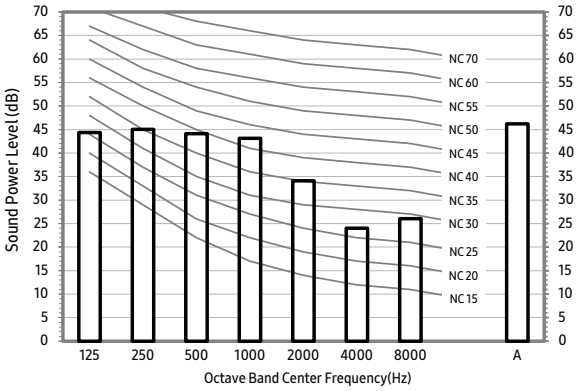
Unit: dB(A)

MODEL	Power
AM022KN*D*****	48
AM028KN*D*****	48
AM036KN*D*****	51
AM045KN*D*****	53

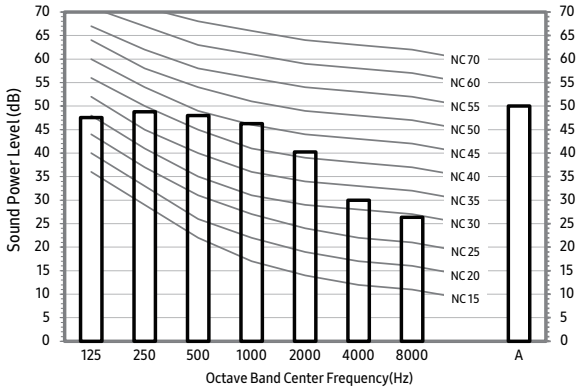
1) AM022KN*D*****



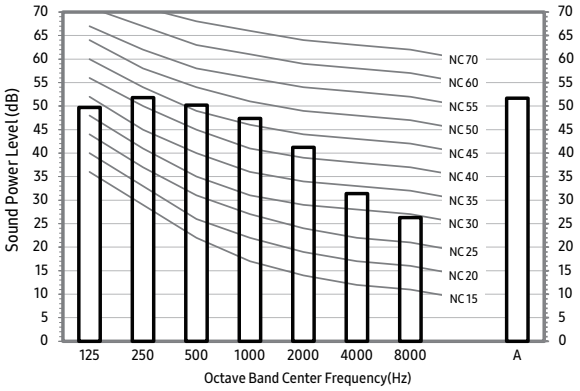
2) AM028KN*D*****



3) AM036KN*D*****



4) AM045KN*D*****



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.

※ The concept of RAC with EEV included is commercial application only. Residential application such as Hotel, Hospital, Houses where the very quiet surrounding is required should be avoided to prevent such a noise claim.

7. Sound Data

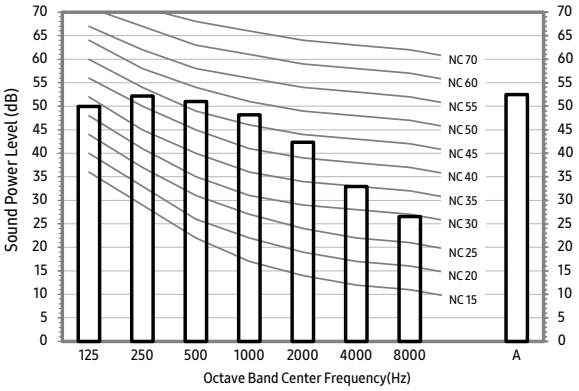
BORACAY

Sound Power Level

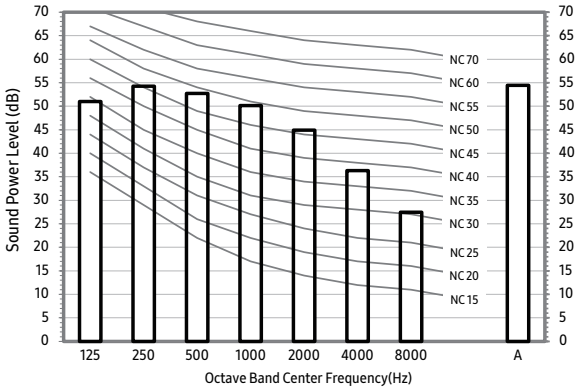
Unit: dB(A)

MODEL	Power
AM056KN*D*****	53
AM071KN*D*****	55

5) AM056KN*D*****



6) AM071KN*D*****



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.

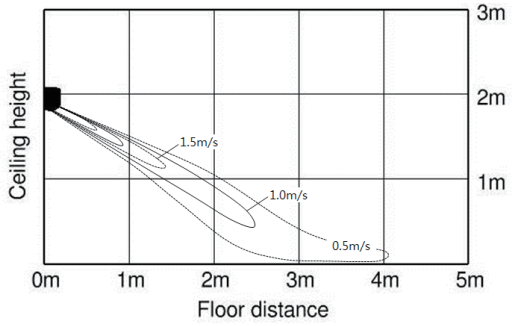
※ The concept of RAC with EEV included is commercial application only. Residential application such as Hotel, Hospital, Houses where the very quiet surrounding is required should be avoided to prevent such a noise claim.

8. Temperature and Air Flow Distribution

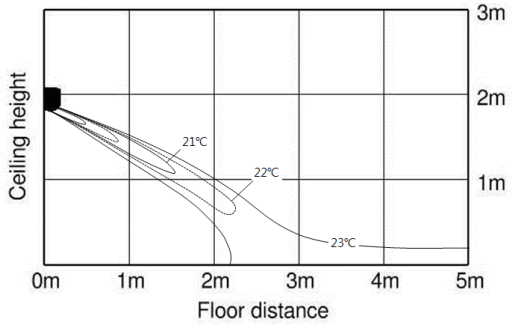
BORACAY

AM022KN*D***** Discharge angle : 26˚

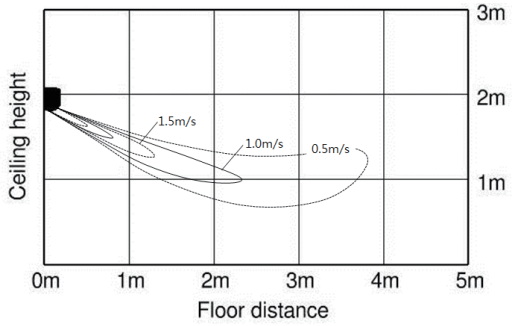
1) Cooling air velocity distribution



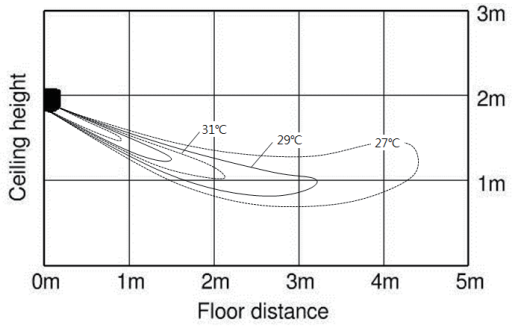
2) Cooling temperature distribution



3) Heating air velocity distribution



4) Heating temperature distribution



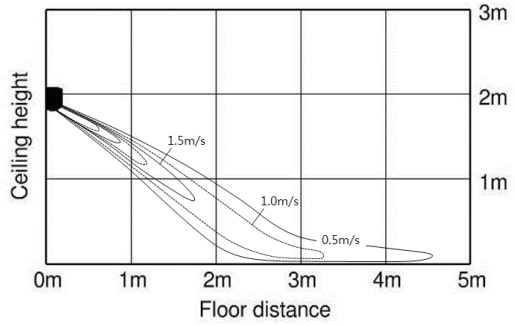
8. Temperature and Air Flow Distribution

BORACAY

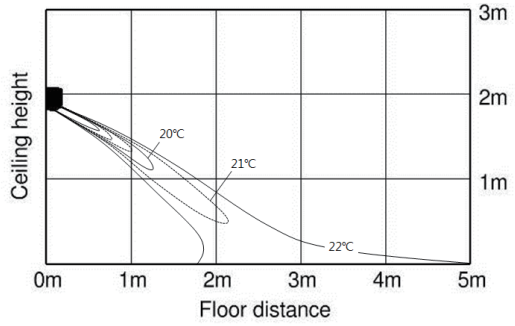
AM028KN*D***

Discharge angle : 26˚

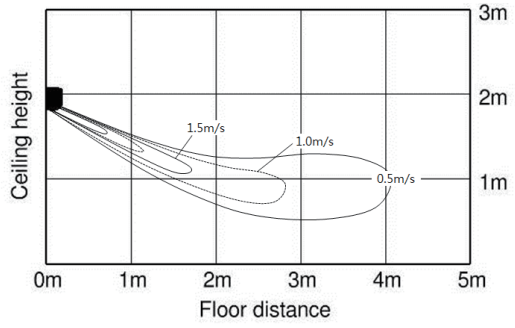
1) Cooling air velocity distribution



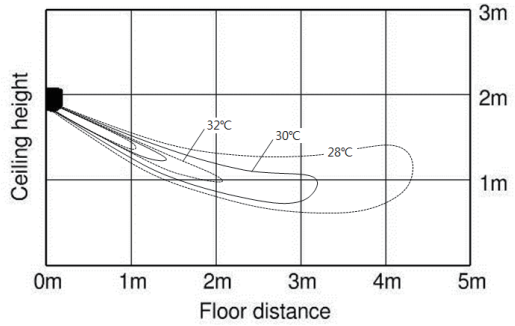
2) Cooling temperature distribution



3) Heating air velocity distribution



4) Heating temperature distribution



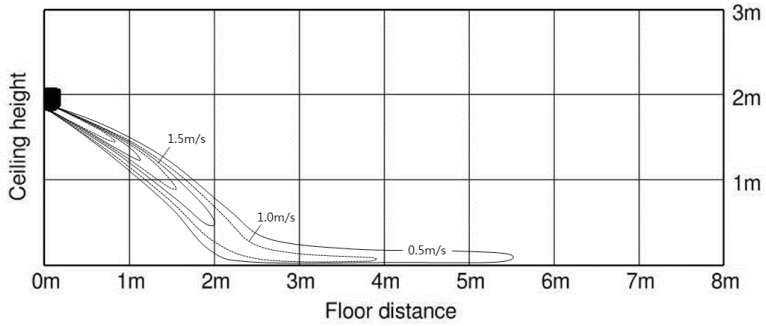
8. Temperature and Air Flow Distribution

BORACAY

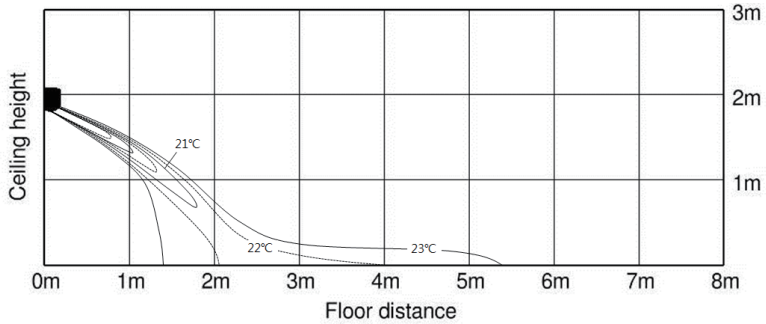
AM036KN*D*****

Discharge angle : 26˚

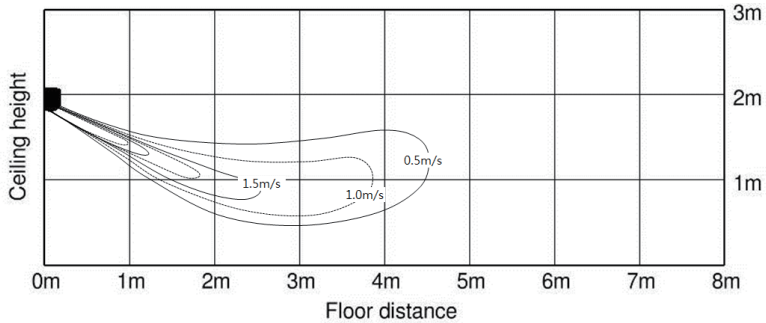
1) Cooling air velocity distribution



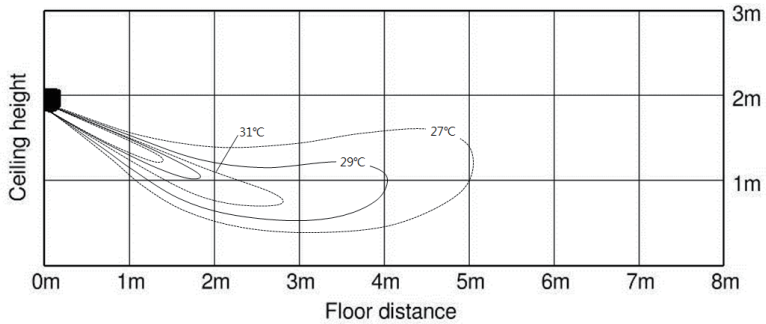
2) Cooling temperature distribution



3) Heating air velocity distribution



4) Heating temperature distribution



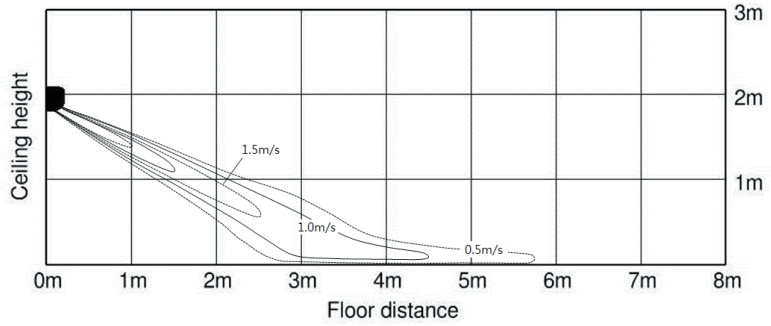
8. Temperature and Air Flow Distribution

BORACAY

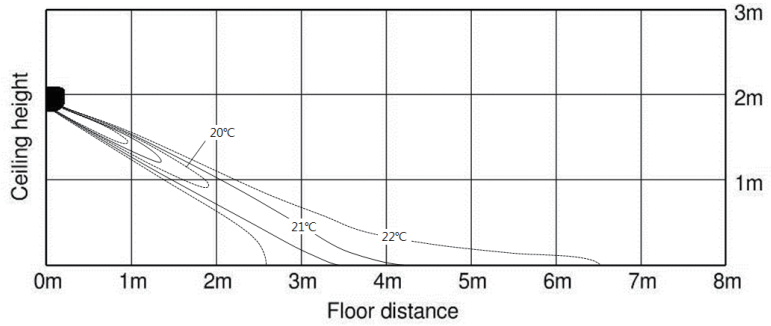
AM045KN*D*****

Discharge angle : 26˚

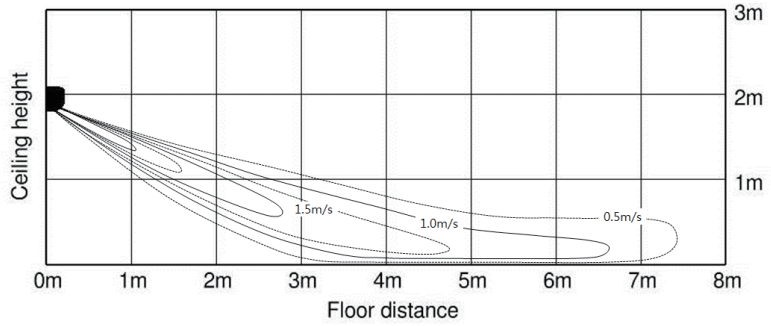
1) Cooling air velocity distribution



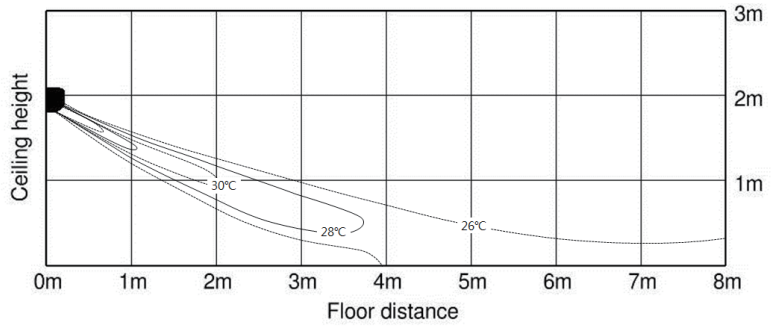
2) Cooling temperature distribution



3) Heating air velocity distribution



4) Heating temperature distribution



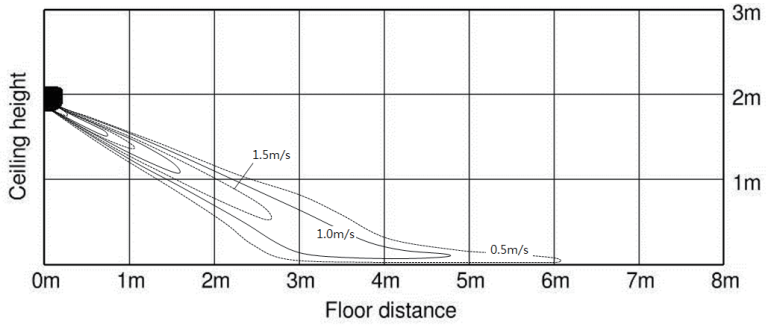
8. Temperature and Air Flow Distribution

BORACAY

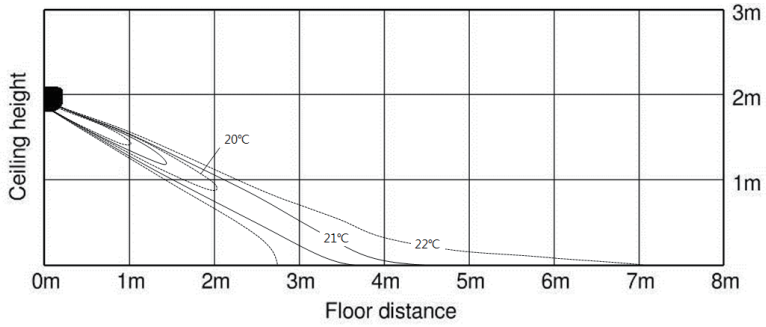
AM056KN*D*****

Discharge angle : 26˚

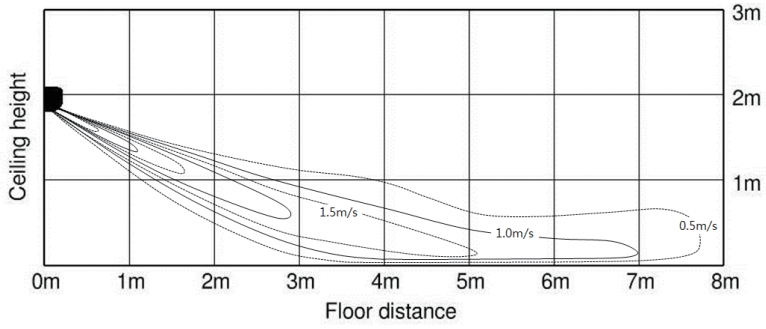
1) Cooling air velocity distribution



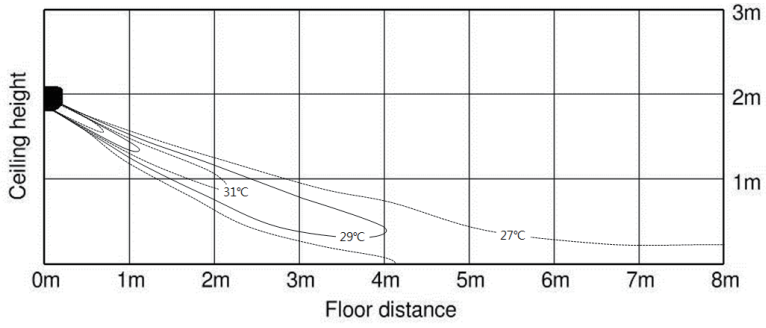
2) Cooling temperature distribution



3) Heating air velocity distribution



4) Heating temperature distribution



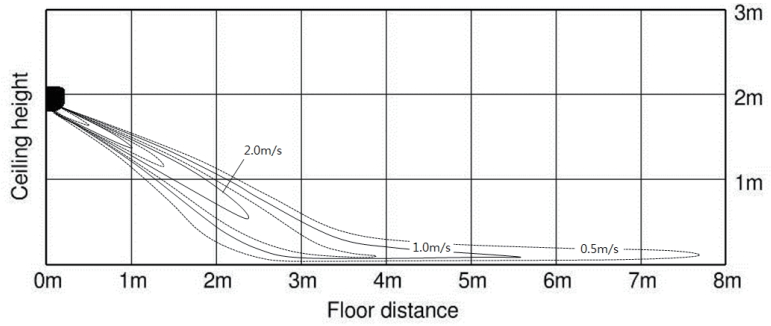
8. Temperature and Air Flow Distribution

BORACAY

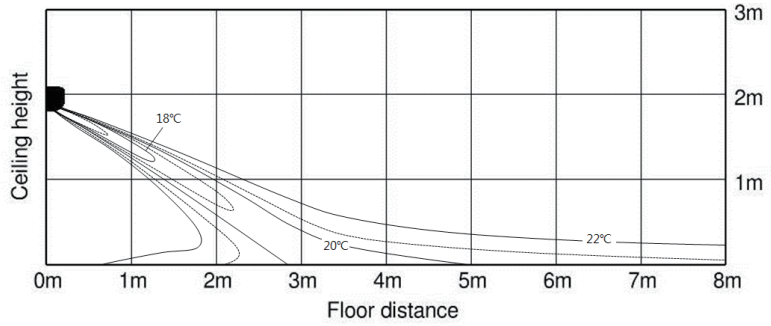
AM071KN*D*****

Discharge angle : 26˚

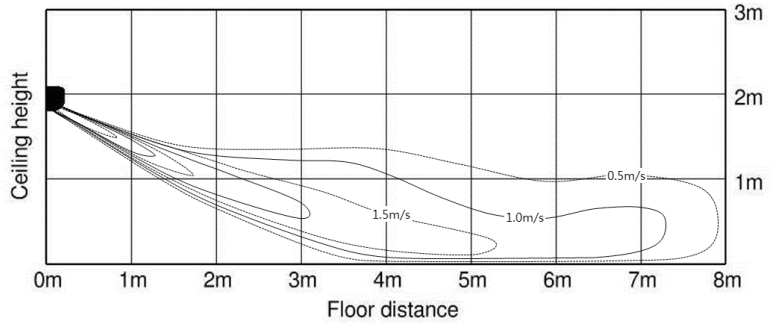
1) Cooling air velocity distribution



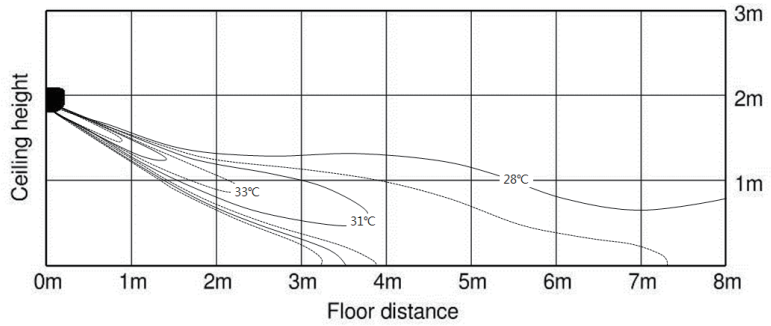
2) Cooling temperature distribution



3) Heating air velocity distribution



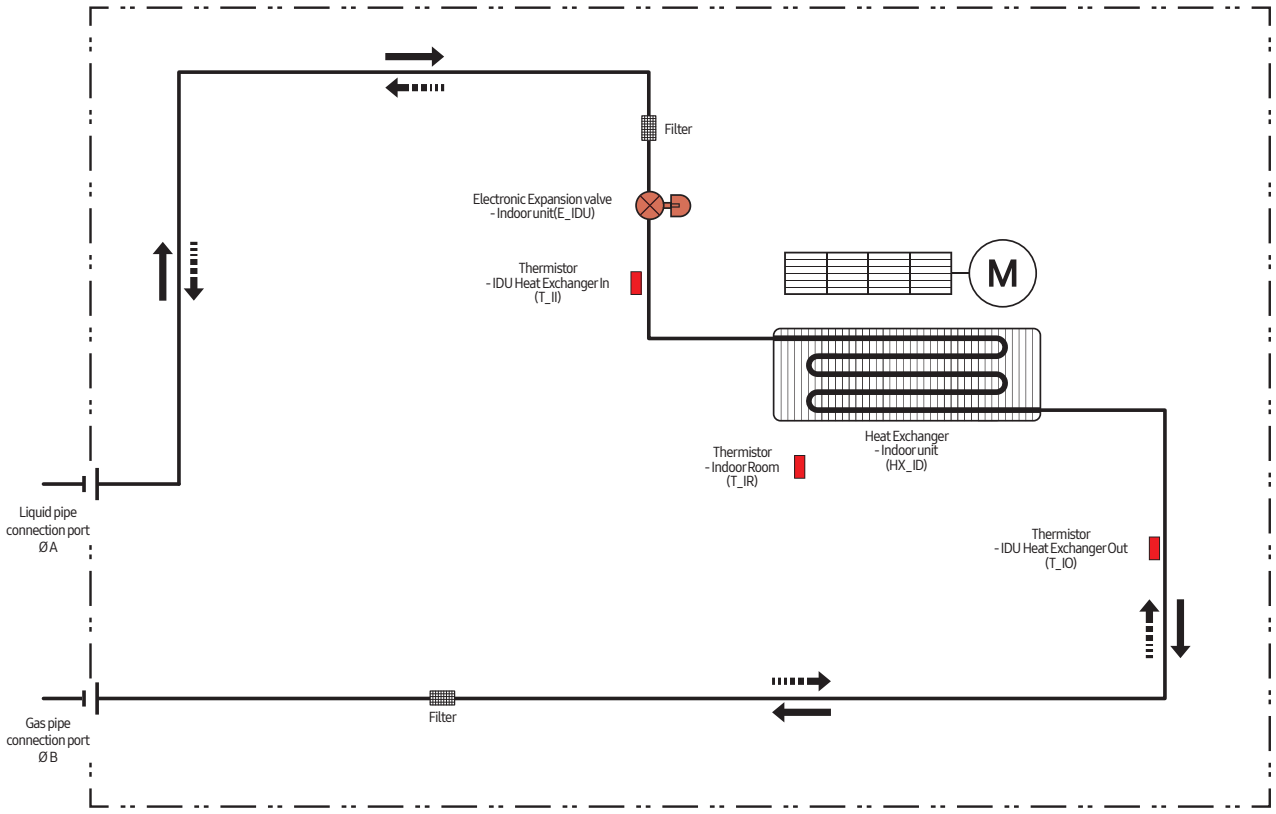
4) Heating temperature distribution



9. Piping Diagram

BORACAY

EEV included Model



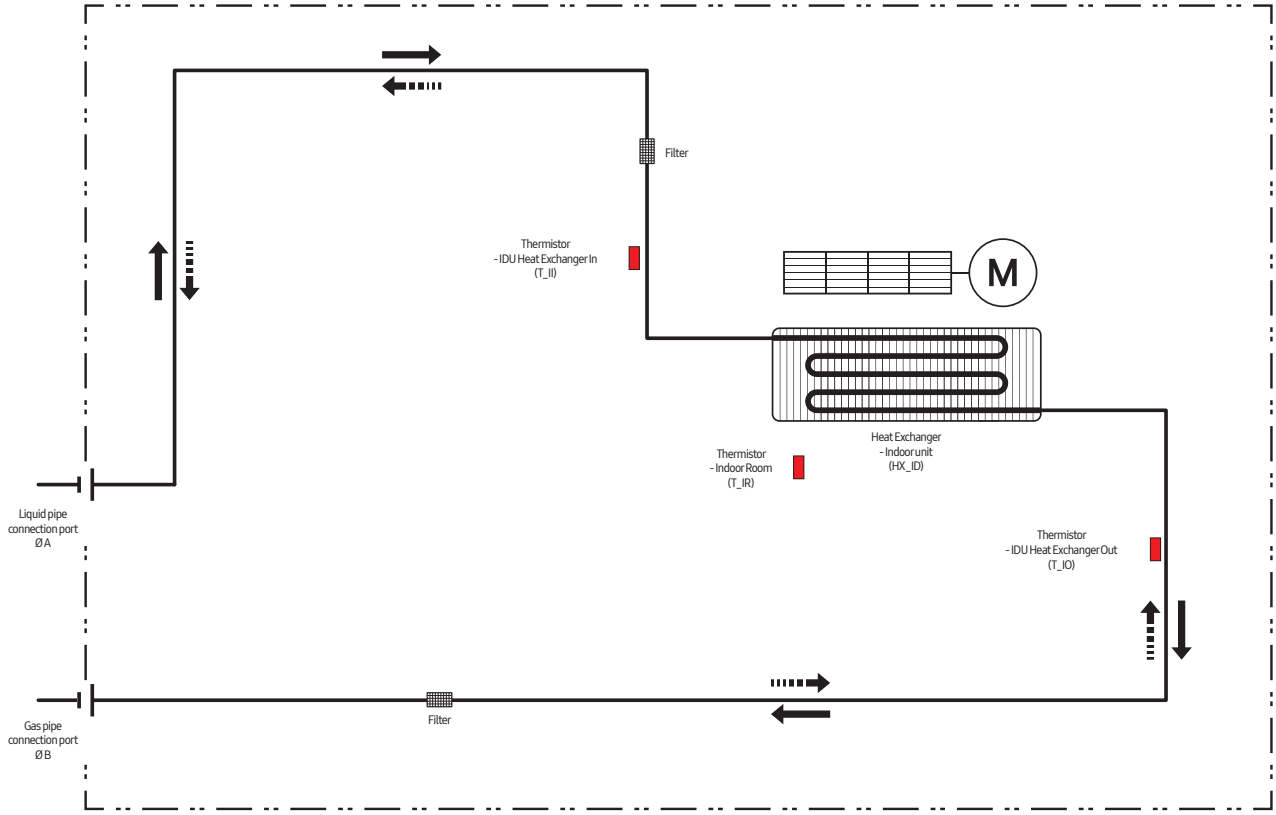
Refrigerant flow	
Cooling	Heating
→	⇢

MODEL	A	B
AM022KNQD*****	6.35	12.7
AM028KNQD*****		
AM036KNQD*****		
AM045KNQD*****		
AM056KNQD*****		
AM071KNQD*****	9.52	15.88

9. Piping Diagram

BORACAY

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

10. Installation

BORACAY

Selecting the installation location

Indoor Unit

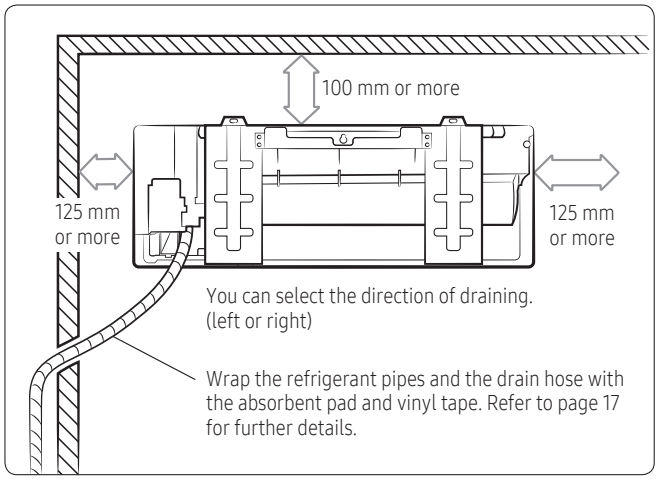
- Where airflow is not blocked.
- Where cool air can be distributed throughout the room.
- Install the refrigerant piping length and the height difference of both indoor and outdoor units as indicated in the installation diagram.
- Wall that prevents vibration and is strong enough to hold the product weight.
- Out of the direct sunlight .
- 1m or more away from the TV or radio (to prevent the screen from being distorted or noise from being generated).
- As far away as possible from fluorescent and incandescent lights (so that the remote control can be operated well).
- A place where the air filter can be replaced easily.

⚠ CAUTION

- Avoid the following places to prevent malfunction of the unit
  - Where there is machine oil
  - Salty environment such as the seaside areas
  - Where sulfide gas exists
  - Other special atmosphere areas

Space requirements for installation & service

Observe the clearances and maximum lengths as seen in the picture below when installing the air conditioner.

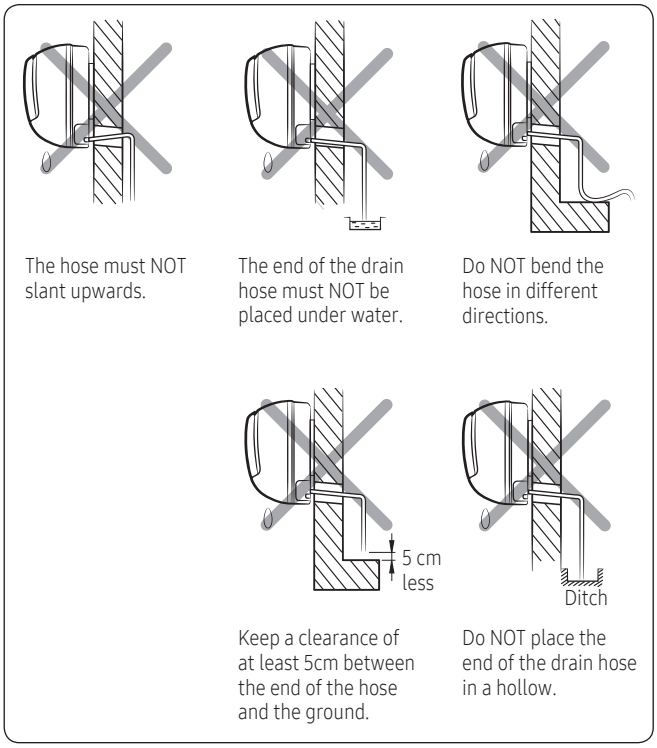


NOTE

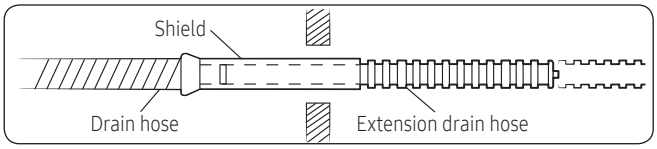
- The appearance of the unit may be different from the diagram depending on the model.

Installing the drain hose

When installing the drain hose for the indoor unit, check if condensation draining is adequate. When passing the drain hose through the 65-mm hole drilled in the wall, check the following:



1 If necessary, connect the 2-meter extension drain hose to the drain hose.
2 If you use the extension drain hose, insulate the inside of the extension drain hose with a shield.
3 Fit the drain hose into 1 of 2 drain hose holes, then fix the end of the drain hose tightly with a clamp.



NOTE

- If you don't use the other drain hose hole, block it with a rubber stopper.

4 Pass the drain hose under the refrigerant pipe, keeping the drain hose tight.
5 Pass the drain hose through the hole in the wall. Check if it slants downwards as seen in the picture.

NOTE

- The hose will be fixed permanently into position after finishing the installation and the gas leak test; refer to page 12 for further details.
- DO NOT WALL UP THE DRAIN HOSE CONNECTION!
  Drain hose connection must be easy accessible and serviceable.

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10. Installation

Connecting the power and communication cables

1 Before wiring work, you must turn off all power source.

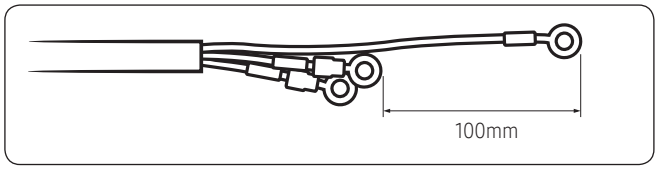
2 Indoor unit power should be supplied through the breaker (ELCB or MCCB+ELB) separated by the outdoor power.

- ELCB:Earth Leakage Circuit Breaker
- MCCB:Molded Case Circuit Breaker
- ELB:Earth Leakage Breaker

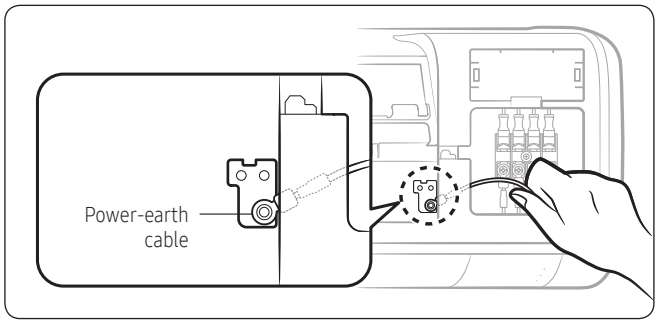
3 The power cable should be used only copper wires.

4 Connect the power cable{1(L), 2(N)} among the units within maximum length and communication cable(F1, F2) each.

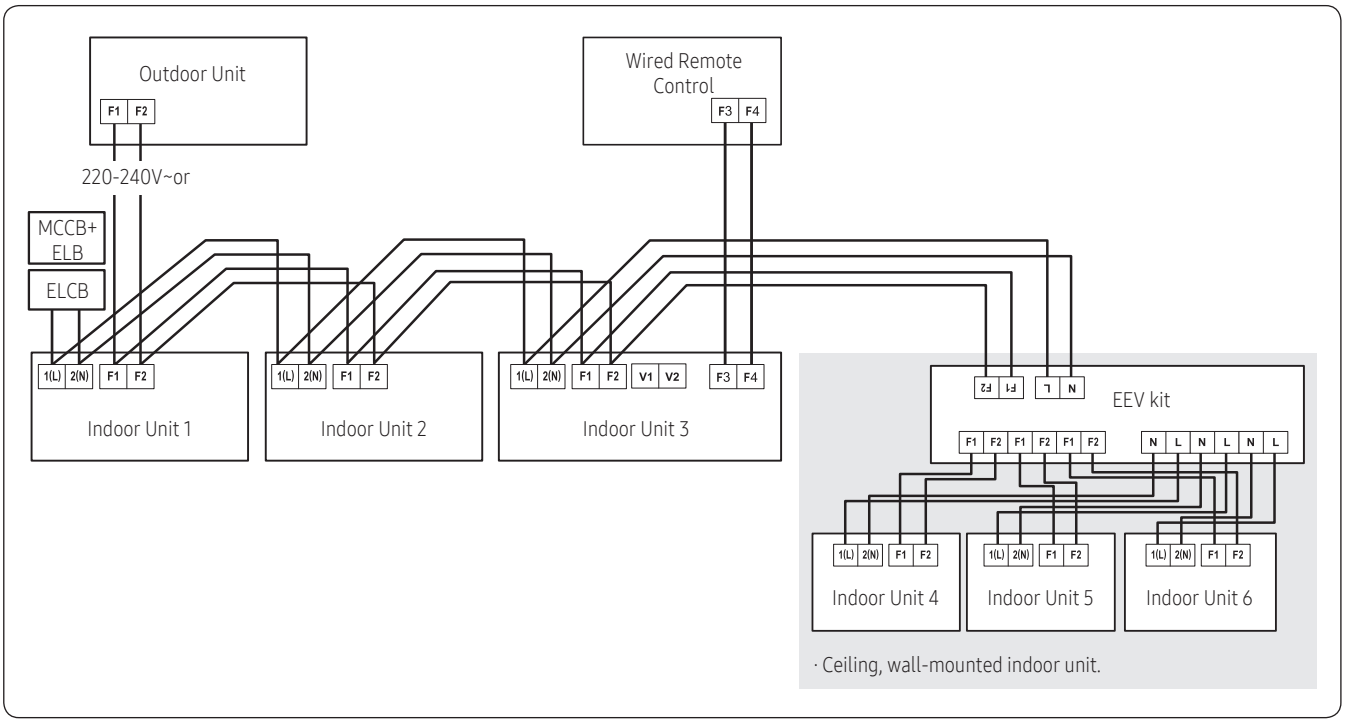
5 Cut the cable as like the following picture. The earth cable need to be longer than the power cable (1(L), 2(N)) by 100 mm.



6 Connect the earth cable to the plate on the evaporator as like the following picture.



7 Connect F3, F4(for communication) wires at the back side of the indoor unit when installing the wired remote control.



- ELCB : Essential Installation
- The EEV Kit is optional component.

⚠ WARNING

- Power off before connecting any wires;Indoor PBA will be damaged while V1,V2,F3,F4 short each other.
- You must connect the earth cable. If earthing is not complete, electric shock or fire may occur.

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10. Installation

Specification of electronic wire

Power supply	MCCB	ELB or ELCB	Power cable	Earth cable	Communication cable
Max : 242V / Min : 198V	XA	XA, 30 mmA, 0.1 s	2.5 mm2	2.5 mm2	0.75~1.5 mm2

- Refer to the unit nameplate for rating current.
- Decide the capacity of ELCB(or MCCB+ELB) by below formula.
- Power supply cords of parts of appliances for outdoor use shall not be lighter than polychloroprene sheathed flexible cord. (Code designation IEC:60245 IEC 57 / CENELEC: H05RN-F or IEC:60245 IEC 66 / CENELEC: H07RN-F)

The capacity of ELCB(or MCCB+ELB) X[A] = 1.25 X 1.1 X ∑Ai

- X : The capacity of ELCB(or MCCB+ELB).
- ∑Ai : Sum of Rating currents of each indoor unit.
- Refer to each installation manual about the rating current of indoor unit.

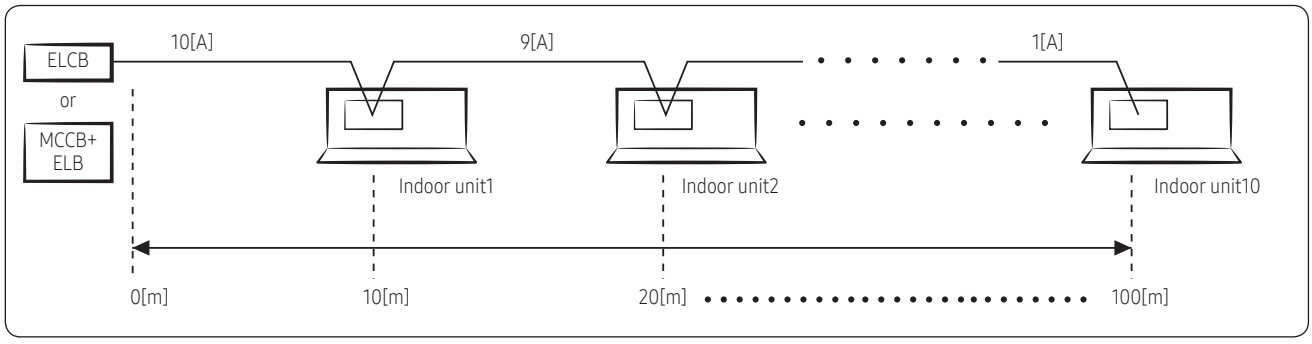
- Decide the power cable specification and maximum length within 10% power drop among indoor units.

$$\sum_{k=1}^{n} \left(\frac{Coef \times 35.6 \times Lk \times ik}{1000 \times Ak} \right) < \text{10\% of input voltage[V]}$$

- coef: 1.55
- Lk: Distance among each indoor unit[m],
  Ak: Power cable specification[mm2]
  ik: Running current of each unit[A]

Example of Installation

- Total power cable length L = 100(m), Running current of each units 1[A]
- Total 10 indoor units were installed

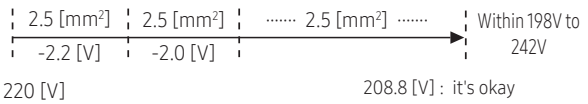


- Apply following equation.

$$\sum_{k=1}^{n} \left(\frac{Coef \times 35.6 \times Lk \times ik}{1000 \times Ak} \right) < \text{10\% of input voltage[V]}$$

- Calculation

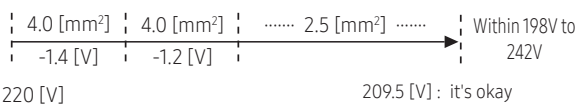
  - Installing with 1 sort wire



220 [V] 208.8 [V] : it's okay

-(2.2+2.0+1.8+1.5+1.3+1.1+0.9+0.7+0.4+0.2)=-11.2 [V]

  - Installing with 2 different sort wire.



220 [V] 209.5 [V] : it's okay

-(1.4+1.2+1.8+1.5+1.3+1.1+0.9+0.7+0.4+0.2)=-10.5 [V]

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10. Installation

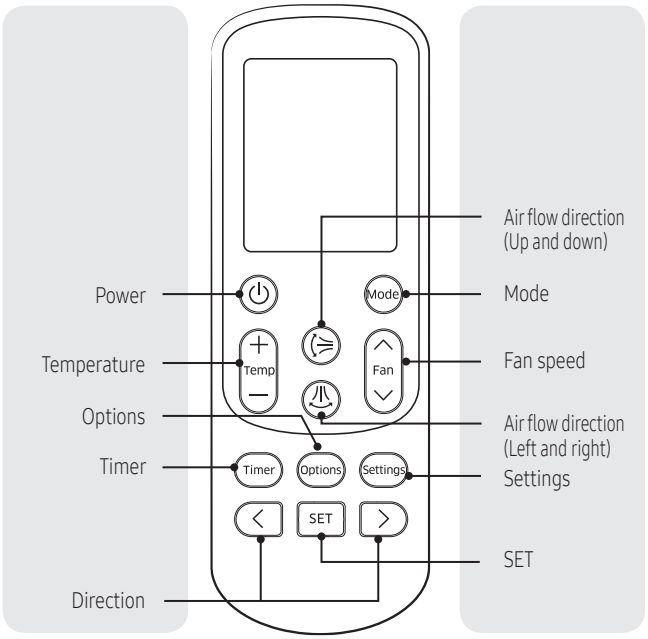
⚠ CAUTION

- Select the power cable in accordance with relevant local and national regulations.
- Wire size must comply with local and national code.
- For the power cable, use the grade of H07RN-F or H05RN-F materials.
- You should connect the power cable into the power cable terminal and fasten it with a clamp.
- The unbalanced power must be maintained within 10% of supply rating among whole indoor units.
- If the power is unbalanced greatly, it may shorten the life of the condenser. If the unbalanced power is exceeded over 10% of supply rating, the indoor unit is protected, stopped and the error mode indicates.
- To protect the product from water and possible shock, you should keep the power cable and the connection cord of the indoor and outdoor units in the iron pipe.
- Connect the power cable to the auxiliary circuit breaker. An all pole disconnection from the power supply must be incorporated in the fixed wiring(≥3mm).

Setting an indoor unit address and installation option

Set the indoor unit address and installation option with remote control option. Set the each option separately since you cannot set the ADDRESS setting and indoor unit installation setting option at the same time. You need to set twice when setting indoor unit address and installation option.

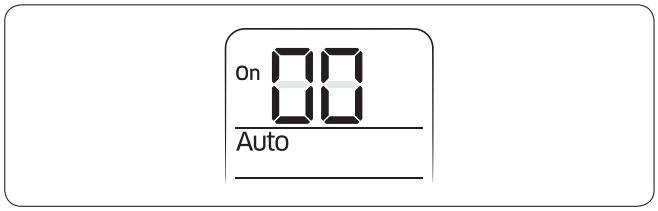
Option setting procedure



1 Remove batteries from the remote control.

2 Insert batteries and enter the option setting mode while pressing (High Temp button) and (Low Temp button).

3 Check if you have entered the option setting status.

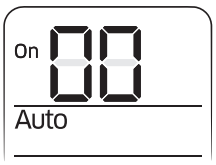
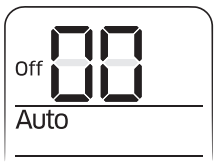


4 After entering the option setting status, select the option.

⚠ CAUTION

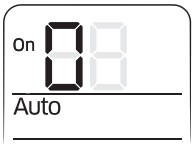
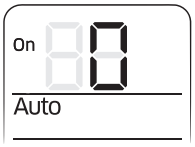
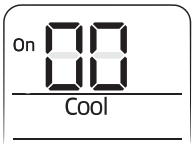
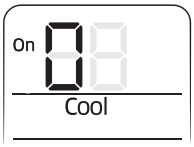
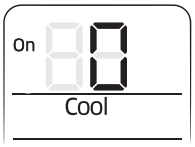
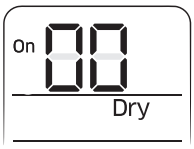
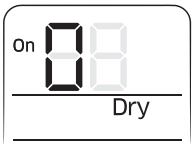
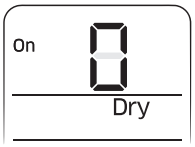
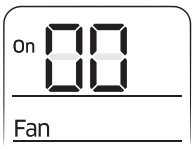
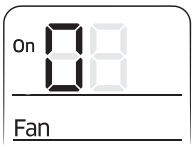
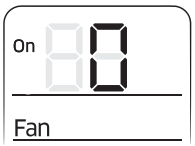
- Option setting is available from SEG1 to SEG 24
- SEG1, SEG7, SEG13, SEG19 are not set as page option.
- Set the SEG2~SEG6, SEG8~SEG12 as ON status and SEG14~18, SEG20~24 as OFF status.

SEG1	SEG2	SEG3	SEG4	SEG5	SEG6
0	X	X	X	X	X
SEG7	SEG8	SEG9	SEG10	SEG11	SEG12
1	X	X	X	X	X
SEG13	SEG14	SEG15	SEG16	SEG17	SEG18
2	X	X	X	X	X
SEG19	SEG20	SEG21	SEG22	SEG23	SEG24
3	X	X	X	X	X

On (SEG1~12)	Off (SEG13~24)
	

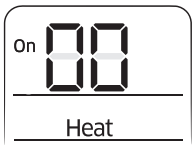
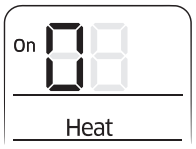
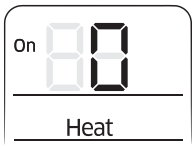
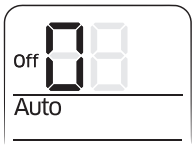
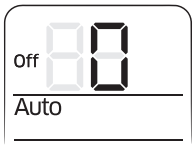
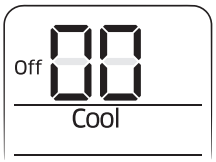
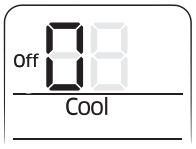
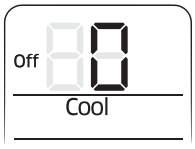
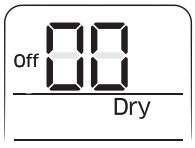
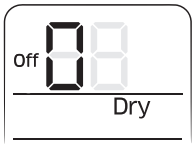
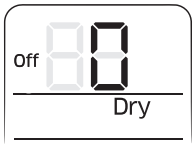
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10. Installation

Option setting	Status
1 Setting SEG2, SEG3 option a Press Low Fan button(∨) to enter SEG2 value. b Press High Fan button(∧) to enter SEG3 value. Each time you press the button, 0 → 1 → ··· E → F will be selected in rotation.	 SEG2  SEG3
2 Setting **Cool** mode Mode Press **Mode** button to be changed to **Cool** mode in the ON status.	
3 Setting SEG4, SEG5 option a Press Low Fan button(∨) to enter SEG4 value. b Press High Fan button(∧) to enter SEG5 value. Each time you press the button, 0 → 1 → ··· E → F will be selected in rotation.	 SEG4  SEG5
4 Setting **Dry** mode Mode Press **Mode** button to be changed to **Dry** mode in the ON status.	
5 Setting SEG6, SEG8 option a Press Low Fan button(∨) to enter SEG6 value. b Press High Fan button(∧) to enter SEG8 value. Each time you press the button, 0 → 1 → ··· E → F will be selected in rotation.	 SEG6  SEG8
6 Setting **Fan** mode Mode Press **Mode** button to be changed to **Fan** mode in the ON status.	
7 Setting SEG9, SEG10 option a Press Low Fan button(∨) to enter SEG9 value. b Press High Fan button(∧) to enter SEG10 value. Each time you press the button, 0 → 1 → ··· E → F will be selected in rotation.	 SEG9  SEG10

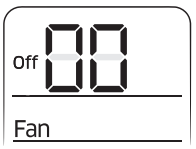
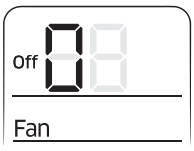
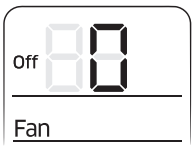
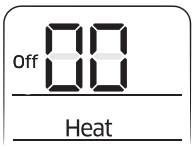
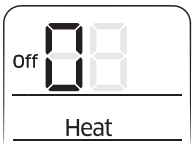
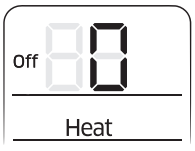
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10. Installation

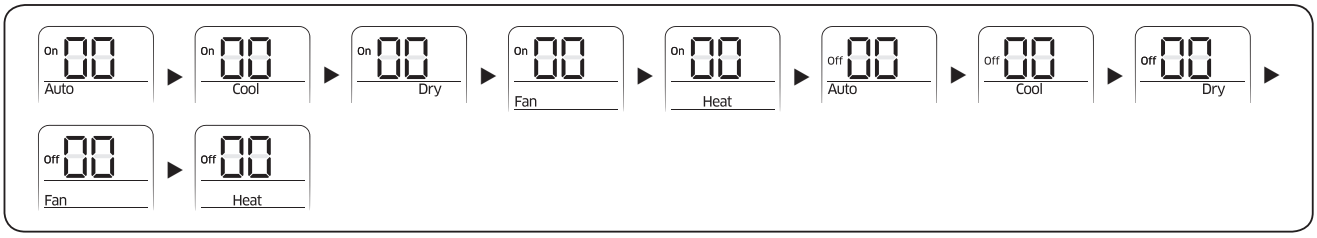
Option setting	Status
8 Setting **Heat** mode (Mode) Press **Mode** button to be changed to **Heat** mode in the ON status.	
9 Setting SEG11, SEG12 option **a** Press Low Fan button(∨) to enter SEG11 value. **b** Press High Fan button(∧) to enter SEG12 value. Each time you press the button, 0 → 1 → ··· E → F will be selected in rotation.	 SEG11  SEG12
10 Setting **Auto** mode (Mode) Press **Mode** button to be changed to **Auto** mode in the OFF status.	
11 Setting SEG14, SEG15 option **a** Press Low Fan button(∨) to enter SEG14 value. **b** Press High Fan button(∧) to enter SEG15 value. Each time you press the button, 0 → 1 → ··· E → F will be selected in rotation.	 SEG14  SEG15
12 Setting **Cool** mode (Mode) Press **Mode** button to be change to **Cool** mode in the OFF status.	
13 Setting SEG16, SEG17 option **a** Press Low Fan button(∨) to enter SEG16 value. **b** Press High Fan button(∧) to enter SEG17 value. Each time you press the button, 0 → 1 → ··· E → F will be selected in rotation.	 SEG16  SEG17
14 Setting **Dry** mode (Mode) Press **Mode** button to be change to **Dry** mode in the OFF status.	
15 Setting SEG18, SEG20 option **a** Press Low Fan button(∨) to enter SEG18 value. **b** Press High Fan button(∧) to enter SEG20 value. Each time you press the button, 0 → 1 → ··· E → F will be selected in rotation.	 SEG18  SEG20

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10. Installation

Option setting	Status
16 Setting **Fan** mode (Mode) Press **Mode** button to be change to **Fan** mode in the OFF status.	
17 Setting SEG21, SEG22 option **a** Press Low Fan button(∨) to enter SEG21 value. **b** Press High Fan button(∧) to enter SEG22 value. Each time you press the button, 0 → 1 → ··· E → F will be selected in rotation.	 SEG21  SEG22
18 Setting **Heat** mode (Mode) Press **Mode** button to be change to **Heat** mode in the OFF status.	
19 Setting SEG23, SEG24 mode **a** Press Low Fan button(∨) to enter SEG23 value. **b** Press High Fan button(∧) to enter SEG2 4 value. Each time you press the button, 0 → 1 → ··· E → F will be selected in rotation.	 SEG23  SEG24

5 After setting option, press (Mode) button to check whether the option code you input is correct or not.



6 Press operation button (⏻) with the direction of remote control for set. For the correct option setting, you must input the option twice.

7 Check operation.

a Reset the indoor unit by pressing the **RESET** button of indoor unit or outdoor unit.

b Take the batteries out of the remote control and insert them again and then press the operation button.

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10. Installation

Setting an indoor unit address (MAIN/RMC)

1 Check whether power is supplied or not.
   – When the indoor unit is not plugged in, there should be additional power supply in the indoor unit.
2 Before installing the indoor unit, assign an address to the indoor unit according to the air conditioning system plan.
3 Assign an indoor unit address by wireless remote control.
   The initial setting status of indoor unit ADDRESS(MAIN/RMC) is "0A0000-100000-200000-300000".

Option No. : 0AXXXX-1XXXXX-2XXXXX-3XXXXX

Option	SEG1		SEG2		SEG3		SEG4		SEG5		SEG6	
Explanation	PAGE		Mode		Setting Main address		100-digit of indoor unit address		10-digit of indoor unit		The unit digit of an indoor unit	
Indication and Details	Indication	DetailsI	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details
	0		A		0	No Main address	0~9	100-digit	0~9	10-digit	0~9	A unit digit
					1	Main address setting mode						

Option	SEG7		SEG8	SEG9		SEG10	SEG11		SEG12	
Explanation	PAGE			Setting RMC address			Group channel(*16)		Group address	
Indication and Details	Indication	Details		Indication	Details		Indication	Details	Indication	Details
	1		-	0	No RMC address	-	RMC1	0~F	RMC2	0~F
				1	RMC address setting mode					

⚠ CAUTION

- When A~F is entered to SEG5~6, the indoor unit MAIN ADDRESS is not changed.
- If you set the SEG 3 as 0, the indoor unit will maintain the previous MAIN ADDRESS even if you input the option value of SEG5~6.
- If you set the SEG 9 as 0, the indoor unit will maintain previous RMC ADDRESS even if you input the option value of SEG11~12.
- You cannot set SEG11 and SEG12 as F value at the same time.

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10. Installation

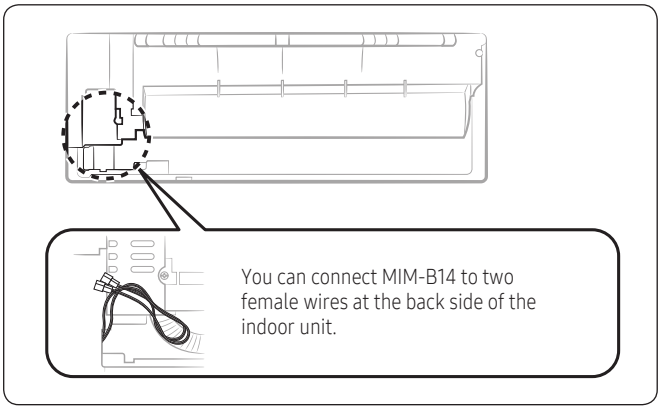
Setting an indoor unit installation option (suitable for the condition of each installation location)

1 Check whether power is supplied or not.
   – When the indoor unit is not plugged in, there should be additional power supply in the indoor unit.
2 Set the installation option according to the installation condition of an air conditioner.
   – The default setting of an indoor unit installation option is 020010-100000- 200000-300000.
   – Individual control of a remote control(SEG20) is the function that controls an indoor unit individually when there is more than one indoor unit.
3 Set the indoor unit option by wireless remote control.

02 series installation option

SEG1	SEG2	SEG3	SEG4	SEG5	SEG6
0	2	-	External room temperature sensor / Minimizing fan operation when thermostat is off	Central control	FAN RPM compensation
SEG7	SEG8	SEG9	SEG10	SEG11	SEG12
1	-	-	-	EEV Step when heating stops	-
SEG13	SEG14	SEG15	SEG16	SEG17	SEG18
2	External control	External control output / External heater On or Off signal	S-Plasma ion	Buzzer	Number of hours using filter
SEG19	SEG20	SEG21	SEG22	SEG23	SEG24
3	Individual control of a remote control	Heating setting compensation / Removing condensated water in heating mode	EEV Step of stopped unit during oil return/ defrost mode	-	-

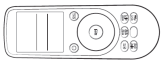
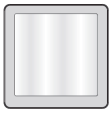
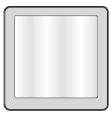
- When setting the option other than above SEG values, the option will be set as "0".
- SEG5 central control option is basically set as 1 (Use), so you don't need to set the central control option additionally.
  However, if the central control is not connected but it doesn't indicate an error message, you need to set the central control option as 0 (Disuse) to exclude the indoor unit from the central control.
- The external output of SEG15 is generated by MIM-B14 connection. (Refer to the manual of MIM-B14.)



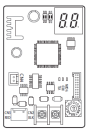
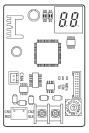
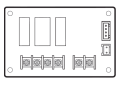
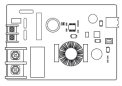
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11. Accessory

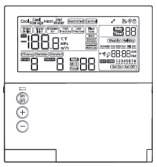
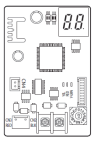
Controller

Classification	Product	Model	Image	Remark	Using
Individual Control System	Wireless Remote Controller	MR-EH00			DVM, CAC
	Wireless Remote Controller	AR-KH00E		360 CST Only	DVM, CAC
	Wired Remote Controller	MWR-WE11N			DVM, CAC
	Wired Remote Controller - Simple Type	MWR-SH00N			DVM, CAC
	Wired Remote Controller - Touch Simple Type	MWR-SH10N			DVM, CAC
	ERV Wired Remote Controller	MWR-VH12N		ERV Olny	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

11. Accessory

Classification	Product	Model	Image	Remark	Using
Centralized Control System	Onoff Controller	MCM-A202DN			DVM, CAC
	Touch Centralized Controller	MCM-A300N			DVM, CAC
	WIFI KIT	MIM-H03N			DVM, CAC
	Interface Module	MIM-N01			DVM, CAC
	ERV Interface Module	MIM-N10			DVM, CAC
Integrated management System	DMS2.5	MIM-D01AN			DVM, CAC
	S-NET3	MST-P3P			DVM, CAC
Gate Way	BACnet Gateway	MIM-B17BN			DVM, CAC
	Lonworks Gateway	MIM-B18BN			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			DVM, CAC

11. Accessory

Classification	Product	Model	Image	Remark	Using
Installation /Test run Solution	S-Checker	MIM-C10N			DVM, CAC
	S-Converter	MIM-C02N			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

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

11. Accessory

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

11. 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	
		MXD-E32K300A	
PDM KIT		MXD-A38K2A	8~12 HP
		MXD-A12K2A	14~16 HP
		MXD-A58K2A	18~26 HP

NOTE

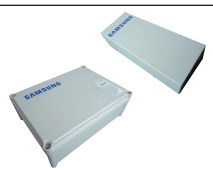
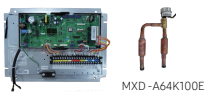
- In case you want more information about the accessories, please refer to the control and accessories TDB on pvi.Samsung.com site.

11. 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-EAN1	[Option] Duct S, Big Duct, ERV, ERV Plus
Motion detect Sensor		MCR-SMA	4Way Cassette S (600x600)

11. Accessory

<table>
<tr><th>Product</th><th>Image</th><th>Model</th><th colspan="4">Remark</th></tr>
<tr><td>ERV CO2 Sensor</td><td>  </td><td>MOS-C1</td><td colspan="4">ERV, ERV PLUS</td></tr>
<tr><td>External room sensor</td><td>  </td><td>MRW-TA</td><td colspan="4">Casssette, Wall-mount, Ceiling, Duct, Console</td></tr>
<tr><td rowspan="8">Drain Pump</td><td rowspan="2">  </td><td>MDP-N047SNC0D</td><td colspan="4">OAP Duct (14.0 kW)</td></tr>
<tr><td>MDP-N047SNC1D</td><td colspan="4">HSP Duct (22.0 / 28.0 kW)
OAP Duct (22.4 / 28.0 kW)</td></tr>
<tr><td rowspan="3">  </td><td>MDP-M075SGU1D</td><td colspan="4">MSP-0 / 1 Duct (9.2 / 11.2 kW)</td></tr>
<tr><td>MDP-M075SGU2D</td><td colspan="4">MSP-2 Duct (12.8 / 14.0 kW)
HSP Duct (11.2 / 12.8 / 14.0 kW)</td></tr>
<tr><td>MDP-M075SGU3D</td><td colspan="4">MSP-S Duct (5.6 / 7.1 kW)</td></tr>
<tr><td>  </td><td>MDP-E075SEE3D</td><td colspan="4">Slim Duct (2.0~14.0 kW)</td></tr>
<tr><td>  </td><td>MDP-G075SP</td><td colspan="4">Duct S (External, All Capacities)
BIG Duct</td></tr>
<tr><td>  </td><td>MDP-G075SQ</td><td colspan="4">Duct S (Internal, 3.5 kW~14 kW)
BIG Duct</td></tr>
<tr><td rowspan="5">AHU KIT</td><td rowspan="4">  </td><td>MXD-K025AN</td><td colspan="4">7.0 kW~8.75 kW</td></tr>
<tr><td>MXD-K050AN</td><td colspan="4">14.0 kW~17.5 kW</td></tr>
<tr><td>MXD-K075AN</td><td colspan="4">21.0 kW~26.25 kW</td></tr>
<tr><td>MXD-K100AN</td><td colspan="4">28.0 kW~35.0 kW</td></tr>
<tr><td> 
MXD -A64K100E</td><td>MCM-D201N</td><td>28kW~35kW</td><td>56kW~70kW</td><td>84kW~105kW</td><td>112kW~140kW</td></tr>
<tr><td></td><td></td><td>MDX-A64K100E
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X 2 EA</td><td>MDX-A64K100E
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X 4 EA</td></tr>
</table>

NOTE

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

11. Accessory

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						O																			
	PC4NBDMAN	Ceiling (Black)						O																			
	PC4NUNMAN	Open						O																			
	PC4NBNMAN	Open (Black)						O																			
	PC4NUSKAN	Waffle					O																				
	PC4NBSKAN	Waffle (Black)					O																				
	PC4NUSKEN	Classic					O																				
	PC4SUSMAN	Waffle							O																		
	PC4SUSMEN	Classic							O																		
	PC1NUSMAN	Stripe		O																							
	PC1NUPMAN	Z-Slide		O																							
	PC1MWSKAN	Fluid	O																								
	PC1NWSMAN			O																							
	PC1BWSMAN				O																						
	PC2NUSMEN	Stripe				O																					
DRAIN PUMP	MDP-N047SNC0D	-																O									
	MDP-N047SNC1D	-															O		O								
	MDP-M075SGU1D	-										O	O														
	MDP-M075SGU2D	-												O													
	MDP-M075SGU3D	-									O																
	MDP-E075SEE3D	-								O																	
	MDP-G075SP	External, All Capacities													O	O											
	MDP-G075SQ	Internal													O	O											
S-Plasma Ion KIT	MSD-CAN1	-					O		O																		
	MSD-EAN1	-																								O	
Motion detect Sensor	MCR-SMA	-							O																		
ERV CO2 Sensor	MOS-C1	-																								O	
EEV KITS	MEV-E**SA	1 Indoor																		O							
	MXD-E**K***A	2,3 Indoor																		O							
MCU-KIT	MCU-S6NEE1N	Below 6 IDU, below 56 Kw	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O			O	O	O	O	O	O	O	
	MCU-S4NEE1N	Below 4 IDU, below 56 kW	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O			O	O	O	O	O	O	O	
	MCU-S4NEE2N	Below 2 large capa IDU, below 56 kW	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O			O	O	O	O	O	O	O	
	MCU-S2NEK1N	Below 2 IDU, below 28 kW	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O			O	O	O	O	O	O	O	
AHU-KIT	MXD-K025AN	only for 2.5Hp's AHU																									O
	MXD-K050AN	only for 5Hp's AHU																									O
	MXD-K075AN	only for 7.5Hp's AHU																									O
	MXD-K100AN	only for 10Hp's AHU																									O
	MCM-D201N	only for 10~40Hp's AHU																									O

NOTE

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

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