

Specifications

Floor/Ceiling

- Optional vertical or horizontal installation.
- Air supply by means of one adjustable blade.
- Reduced noise thanks to the remotely controlled EEV.
- Sirocco Fan direct driven by a single motor.
- Long-life washable HD 40 permanent filter is included.
- Compatible with Wi-Fi Kit controller.



Model			AM056FNCDEH/EU	AM071FNCDEH/EU
Power Supply			Ø, #, V, Hz	1Ø, 2, 220-240 V, 50 Hz
Performance	Capacity (Nominal)	Cooling	kW	5.6
		Heating		6.3
Power	Power Input (Nominal)	Cooling		71
		Heating	W	80
	Current Input (Nominal)	Cooling		72
		Heating	A	77
Fan	Motor	Type	-	Sirocco Fan
		Output	W	60
		Number of Fans	-	1
	Airflow Rate	H/M/L (UL)	m ³ /min	14.00/13.00/12.00
Piping Connections	Liquid Pipe		l/s	233.33/216.67/200.00
				300.00/275.00/250.00
	Gas Pipe	ø, mm	6.35	9.52
		ø, inch	1/4	3/8
Drain Pipe	ø, mm	12.70	15.88	
	ø, inch	1/2	5/8	
Field Wiring	Power Source Wire	Below 20 m/over 20 m	mm ²	1.5/2.5
	Transmission Cable		mm ²	0.75-1.50
Refrigerant	Type		-	R410A(Fluorinated greenhouse gas, GWP=2,088)
	Control Method		-	EEV NOT INCLUDED
Sound ²	Sound Pressure	(H/M/L)	dB(A)	40/37/34
Dimensions	Net Weight		kg	21.0
	Net Dimensions (W x H x D)		mm	1,000 x 650 x 200
Additional Accessories	Air Filter		-	Long-life Filter

Accessories

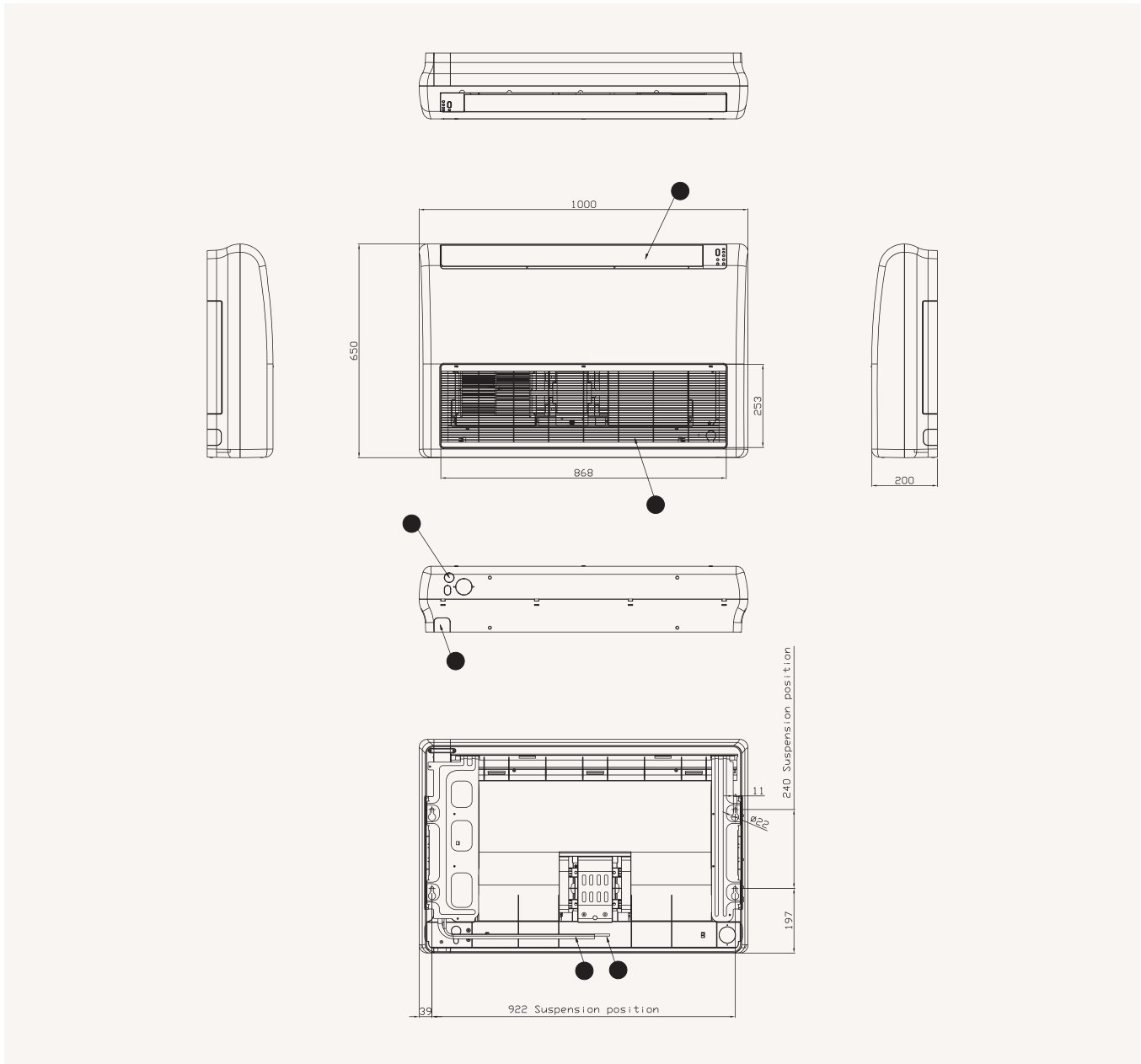


Touch Controller	Wired Remote Controller	Wired Remote Controller	Wi-Fi Kit	External Room Sensor	EEV Kit 1 Indoor	EEV Kit 2 Indoor	EEV Kit 3 Indoor
MWR-SH11N	MWR-WE13N	MWR-WG00*N	MIM-H04EN	MRW-TA	MEV-***SA	MXD-E24/32K***A	MXD-E24/32K***A

Dimensional drawings

Floor/Ceiling

AM***FNCDEH/EU



NO	Name	Description	
		5.6 kW	7.1 kW
1	Liquid pipe connection	ø6.35 Flare	ø9.52 Flare
2	Gas pipe connection	ø12.70 Flare	ø15.88 Flare
3	Drain pipe connection		ID18 Hose
4	Power supply/communication wiring conduits		
5	Air inlet grille		
6	Air outlet louvre		

Ceiling

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- 3 *Dimensional Drawing*
- 4 *Electrical Wiring Diagram*
- 5 *Sound Pressure Level*
- 6 *Temperature and air flow distribution*

1 Specifications

Ceiling

1) Technical specifications

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

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

*1) Mode

- HP : Heat Pump, HR : Heat Recovery

*2) Nominal cooling capacities are based on;

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

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

*3) Nominal heating capacities are based on;

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

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

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

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

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

2 Capacity table

Ceiling

1) Cooling

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

Capacity Index	Outdoor Air Temp. (°C, DB)	Indoor temperature													
		20(°C, DB)		23(°C, DB)		26(°C, DB)		27(°C, DB)		28(°C, DB)		30(°C, DB)		32(°C, DB)	
		14(°C, WB)		16(°C, WB)		18(°C, WB)		19(°C, WB)		20(°C, WB)		22(°C, WB)		24(°C, WB)	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
056	10	3.9	3.2	4.6	3.5	5.3	3.9	5.6	3.9	5.8	3.9	6.3	3.9	6.7	3.7
	12	3.9	3.2	4.6	3.5	5.3	3.9	5.6	3.9	5.8	3.9	6.3	3.9	6.7	3.7
	14	3.9	3.2	4.6	3.5	5.3	3.9	5.6	3.9	5.8	3.9	6.2	3.8	6.7	3.7
	16	3.9	3.2	4.6	3.5	5.3	3.9	5.6	3.9	5.8	3.9	6.2	3.8	6.6	3.6
	18	3.9	3.2	4.6	3.5	5.3	3.9	5.6	3.9	5.8	3.9	6.2	3.8	6.6	3.6
	20	3.9	3.2	4.6	3.5	5.3	3.9	5.6	3.9	5.8	3.9	6.2	3.8	6.6	3.6
	21	3.9	3.2	4.6	3.5	5.3	3.9	5.6	3.9	5.8	3.9	6.2	3.8	6.6	3.6
	23	3.9	3.2	4.6	3.5	5.3	3.9	5.6	3.9	5.8	3.9	6.2	3.8	6.6	3.6
	25	3.9	3.2	4.6	3.5	5.3	3.9	5.6	3.9	5.8	3.9	6.2	3.8	6.6	3.6
	27	3.9	3.2	4.6	3.5	5.3	3.9	5.6	3.9	5.8	3.9	6.2	3.8	6.6	3.6
	29	3.9	3.2	4.6	3.5	5.3	3.9	5.6	3.9	5.8	3.9	6.2	3.8	6.6	3.6
	31	3.9	3.2	4.6	3.5	5.3	3.9	5.6	3.9	5.8	3.9	6.2	3.8	6.6	3.6
	33	3.9	3.2	4.6	3.5	5.3	3.9	5.6	3.9	5.8	3.9	6.2	3.8	6.6	3.6
	35	3.9	3.2	4.6	3.5	5.3	3.9	5.6	3.9	5.8	3.9	6.2	3.8	6.6	3.6
	37	3.9	3.2	4.6	3.5	5.3	3.9	5.6	3.9	5.8	3.9	6.2	3.8	6.6	3.5
	39	3.9	3.2	4.6	3.5	5.3	3.9	5.6	3.9	5.8	3.9	6.2	3.8	6.6	3.4
42	3.9	3.2	4.6	3.5	5.3	3.9	5.5	3.8	5.7	3.9	6.1	3.7	6.4	3.3	
44	3.9	3.2	4.6	3.5	5.1	3.8	5.3	3.7	5.6	3.7	5.9	3.6	6.2	3.2	
46	3.9	3.2	4.6	3.5	5.0	3.7	5.2	3.6	5.4	3.6	5.7	3.5	6.0	3.1	
48	3.9	3.2	4.5	3.4	5.0	3.6	5.0	3.5	5.3	3.6	5.5	3.4	5.8	3.0	
071	10	4.9	4.0	5.8	4.5	6.7	4.8	7.1	5.0	7.4	5.0	8.0	5.1	8.5	4.8
	12	4.9	4.0	5.8	4.5	6.7	4.8	7.1	5.0	7.4	5.0	7.9	5.0	8.5	4.8
	14	4.9	4.0	5.8	4.5	6.7	4.8	7.1	5.0	7.4	5.0	7.9	5.0	8.5	4.8
	16	4.9	4.0	5.8	4.5	6.7	4.8	7.1	5.0	7.4	5.0	7.9	5.0	8.4	4.8
	18	4.9	4.0	5.8	4.5	6.7	4.8	7.1	5.0	7.4	5.0	7.9	5.0	8.4	4.8
	20	4.9	4.0	5.8	4.5	6.7	4.8	7.1	5.0	7.4	5.0	7.9	5.0	8.4	4.8
	21	4.9	4.0	5.8	4.5	6.7	4.8	7.1	5.0	7.4	5.0	7.9	5.0	8.4	4.8
	23	4.9	4.0	5.8	4.5	6.7	4.8	7.1	5.0	7.4	5.0	7.9	5.0	8.4	4.8
	25	4.9	4.0	5.8	4.5	6.7	4.8	7.1	5.0	7.4	5.0	7.9	5.0	8.4	4.8
	27	4.9	4.0	5.8	4.5	6.7	4.8	7.1	5.0	7.4	5.0	7.9	5.0	8.4	4.8
	29	4.9	4.0	5.8	4.5	6.7	4.8	7.1	5.0	7.4	5.0	7.9	5.0	8.4	4.8
	31	4.9	4.0	5.8	4.5	6.7	4.8	7.1	5.0	7.4	5.0	7.9	5.0	8.4	4.8
	33	4.9	4.0	5.8	4.5	6.7	4.8	7.1	5.0	7.4	5.0	7.9	5.0	8.4	4.8
	35	4.9	4.0	5.8	4.5	6.7	4.8	7.1	5.0	7.4	5.0	7.9	5.0	8.4	4.8
	37	4.9	4.0	5.8	4.5	6.7	4.8	7.1	5.0	7.3	4.9	7.8	4.9	8.2	4.7
	39	4.9	4.0	5.8	4.5	6.7	4.8	7.1	5.0	7.3	4.9	7.7	4.8	8.1	4.6
42	4.9	4.0	5.8	4.5	6.7	4.8	7.0	4.9	7.2	4.8	7.6	4.7	7.9	4.5	
44	4.9	4.0	5.8	4.5	6.5	4.6	6.8	4.8	7.0	4.7	7.3	4.5	7.6	4.3	
46	4.9	4.0	5.7	4.5	6.4	4.6	6.6	4.6	6.8	4.6	7.0	4.4	7.4	4.2	
48	4.8	3.9	5.7	4.4	6.3	4.5	6.4	4.5	6.7	4.5	6.8	4.3	7.2	4.1	

2 Capacity table

Ceiling

2) Heating

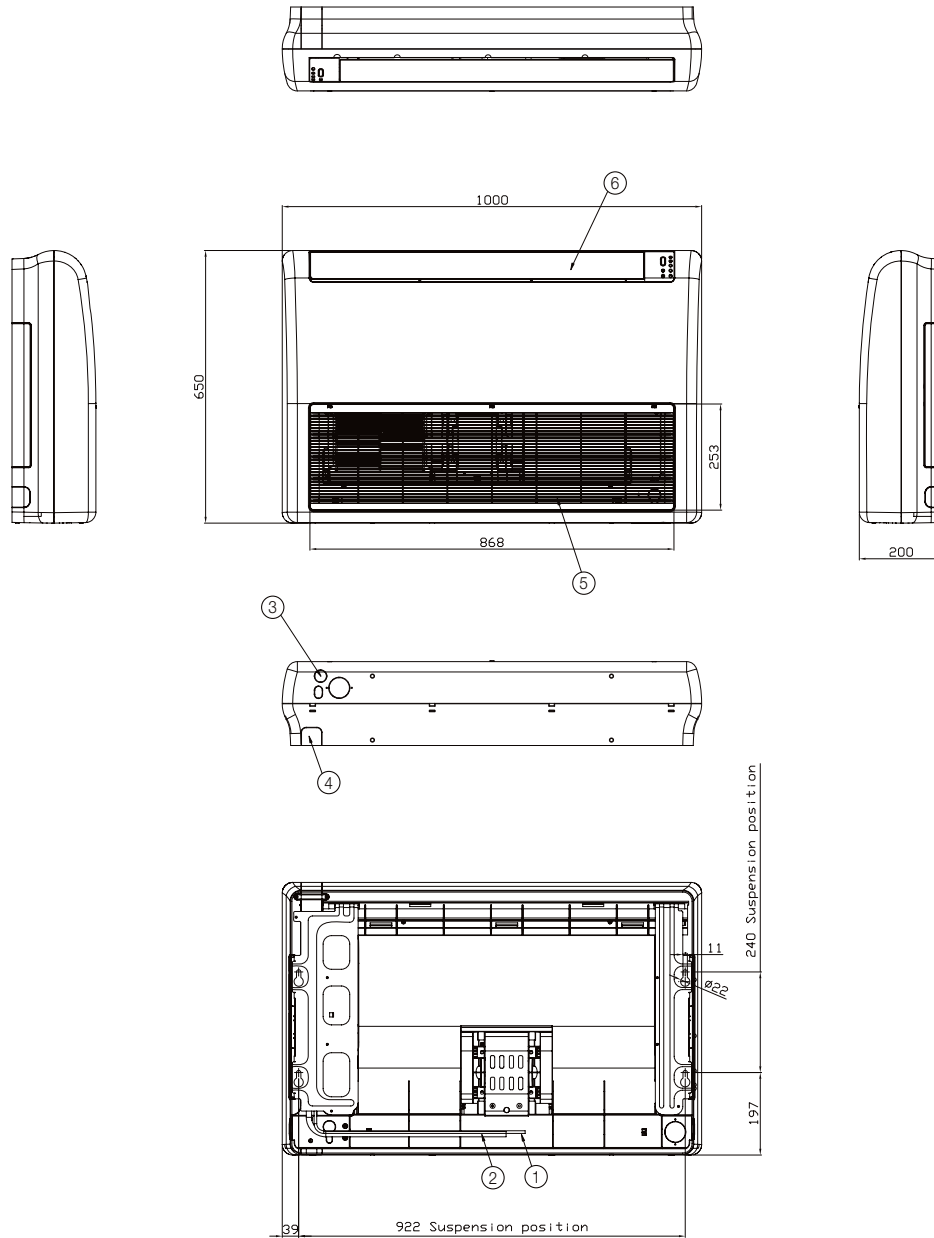
TC : Total Capacity(kW)

Capacity Index	Outdoor Air Temp. (°C)		Indoor temperature (°C,DB)				
			16(°C,DB)	18(°C,DB)	20(°C,DB)	22(°C,DB)	24(°C,DB)
	DB	WB	TC kW	TC kW	TC kW	TC kW	TC kW
056	-19.8	-20.0	3.9	3.8	3.8	3.7	3.7
	-18.8	-19.0	3.9	3.9	3.8	3.7	3.7
	-16.7	-17.0	4.0	4.0	3.9	3.8	3.8
	-14.7	-15.0	4.2	4.1	4.0	3.9	3.8
	-12.6	-13.0	4.4	4.3	4.2	4.1	4.0
	-10.5	-11.0	4.6	4.5	4.4	4.4	4.3
	-9.5	-10.0	4.7	4.6	4.6	4.5	4.4
	-8.5	-9.1	4.8	4.7	4.7	4.6	4.5
	-7.0	-7.6	4.9	4.8	4.8	4.7	4.5
	-5.0	-5.6	5.2	5.1	5.0	4.9	4.7
	-3.0	-3.7	5.4	5.3	5.3	5.1	4.9
	0.0	-0.7	5.7	5.6	5.5	5.3	5.0
	3.0	2.2	5.9	5.9	5.8	5.6	5.3
	5.0	4.1	6.2	6.1	6.0	5.7	5.3
	7.0	6.0	6.5	6.4	6.3	5.8	5.3
9.0	7.9	6.7	6.5	6.3	5.8	5.3	
11.0	9.8	6.9	6.6	6.3	5.8	5.3	
13.0	11.8	7.1	6.7	6.3	5.8	5.3	
15.0	13.7	7.3	6.8	6.3	5.8	5.3	
071	-19.8	-20.0	4.9	4.9	4.8	4.7	4.7
	-18.8	-19.0	5.0	4.9	4.8	4.7	4.7
	-16.7	-17.0	5.1	5.0	4.9	4.8	4.8
	-14.7	-15.0	5.3	5.2	5.1	4.9	4.8
	-12.6	-13.0	5.5	5.4	5.3	5.2	5.1
	-10.5	-11.0	5.8	5.7	5.6	5.5	5.5
	-9.5	-10.0	6.0	5.9	5.8	5.7	5.6
	-8.5	-9.1	6.1	6.0	5.9	5.8	5.7
	-7.0	-7.6	6.2	6.1	6.0	5.9	5.8
	-5.0	-5.6	6.5	6.5	6.4	6.2	6.0
	-3.0	-3.7	6.9	6.8	6.7	6.4	6.2
	0.0	-0.7	7.2	7.1	7.0	6.7	6.4
	3.0	2.2	7.6	7.5	7.3	7.1	6.8
	5.0	4.1	7.9	7.8	7.7	7.2	6.8
	7.0	6.0	8.2	8.1	8.0	7.4	6.8
9.0	7.9	8.5	8.2	8.0	7.4	6.8	
11.0	9.8	8.7	8.4	8.0	7.4	6.8	
13.0	11.8	9.0	8.5	8.0	7.4	6.8	
15.0	13.7	9.2	8.6	8.0	7.4	6.8	

3 Dimensional drawing

Ceiling

Unit:mm

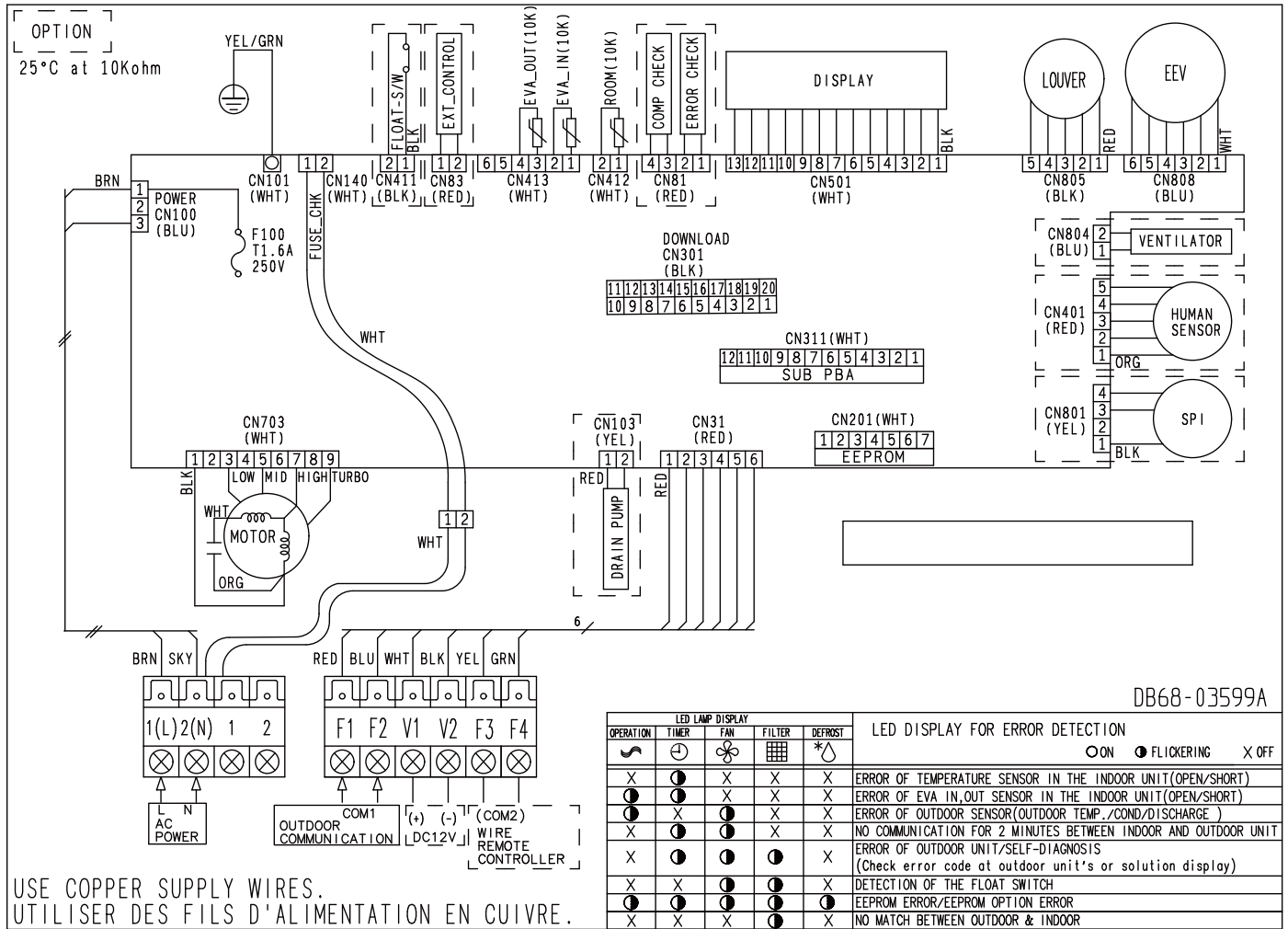


No.	Name	Description	
		5.6kW	7.1kW
①	Liquid pipe connection	Ø6.35 Flare	Ø9.52 Flare
②	Gas pipe connection	Ø12.70 Flare	Ø15.88 Flare
③	Drain pipe connection	ID18 Hose	
④	Conduit for power supply & communication wiring	-	
⑤	Air inlet grille	-	
⑥	Air outlet louver	-	

4 Electrical Wiring Diagram

Ceiling

AM056/071FNCDEH/EU



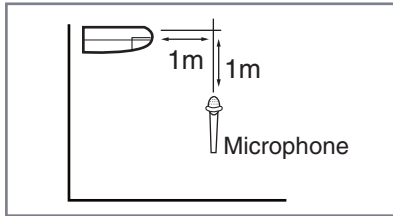
NOTE

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

5 Sound pressure level

Ceiling

1) Operation sound level



Unit : dB(A)

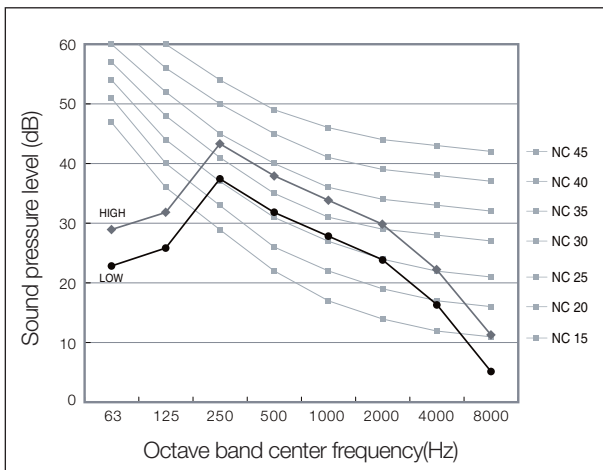
Model	High	Low
AM056FNCDEH***	40	34
AM071FNCDEH***	44	40

Note

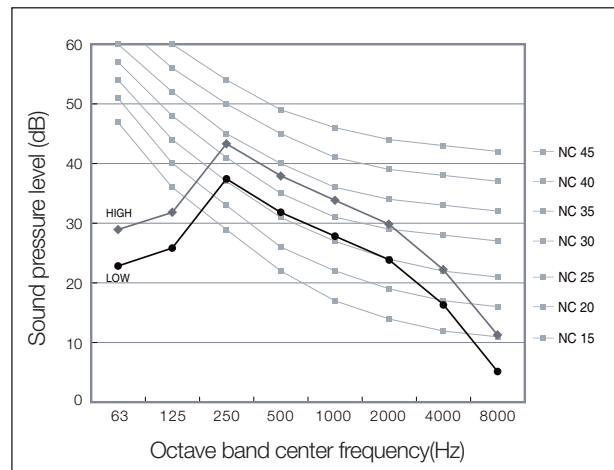
Specifications may be subject to change without prior notice.
 Sound pressure level is obtained in an anechoic room.
 Sound pressure level is a relative value, depending on the distance and acoustic environment.
 Sound pressure level may differ depending on operation condition.
 dBA = A-weighted sound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

2) NC curves

(1) AM056FNCDEH***



(2) AM071FNCDEH***



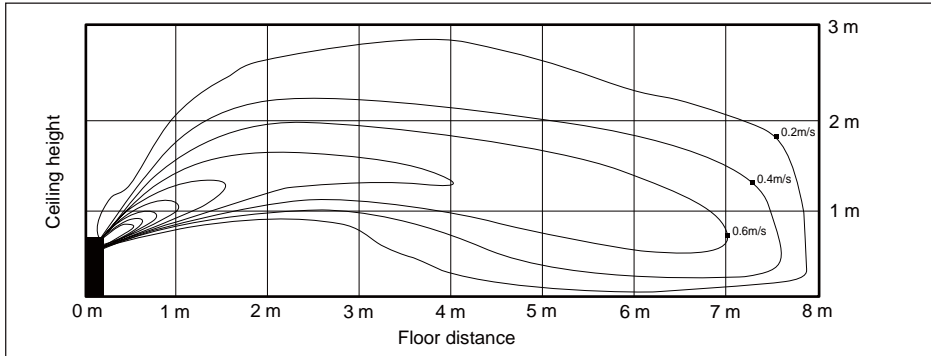
6 Temperature and air flow distribution

Ceiling

AM071FNCDEH/EU (Floor installation)

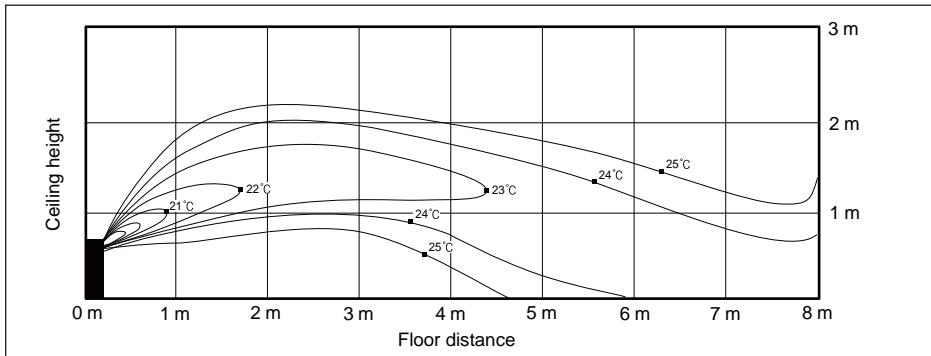
(1) Cooling air velocity distribution

Discharge angle : 36°



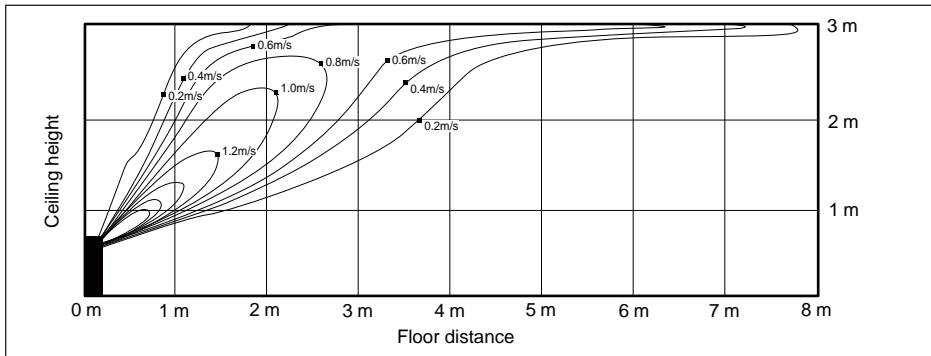
(2) Cooling temperature distribution

Discharge angle : 36°



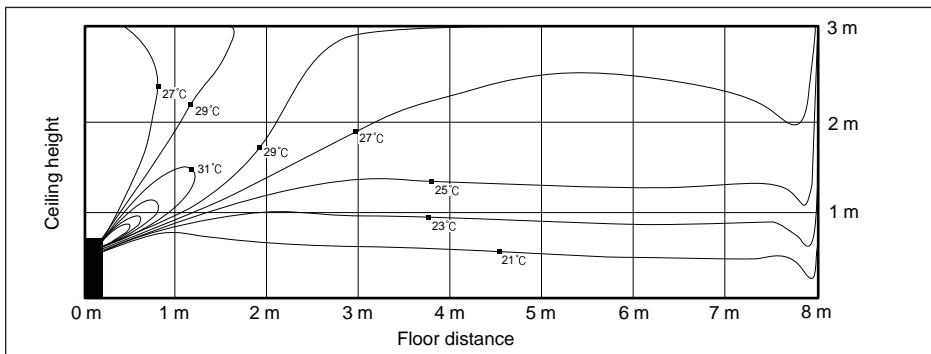
(3) Heating air velocity distribution

Discharge angle : 54°



(4) Heating temperature distribution

Discharge angle : 54°



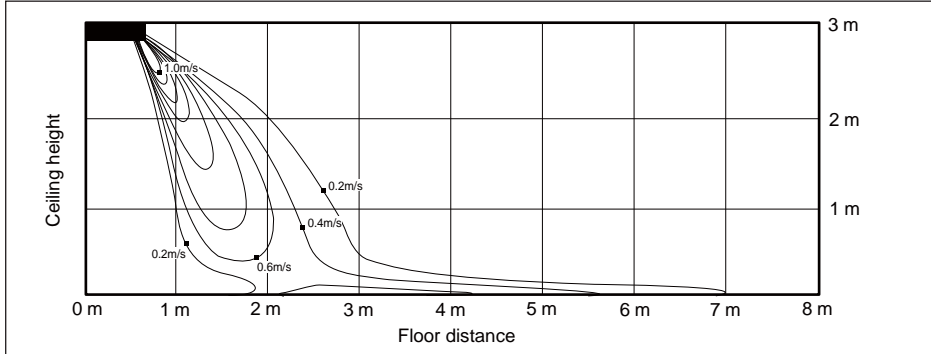
6 Temperature and air flow distribution

Ceiling

AM071FNCDEH/EU (Ceiling installation)

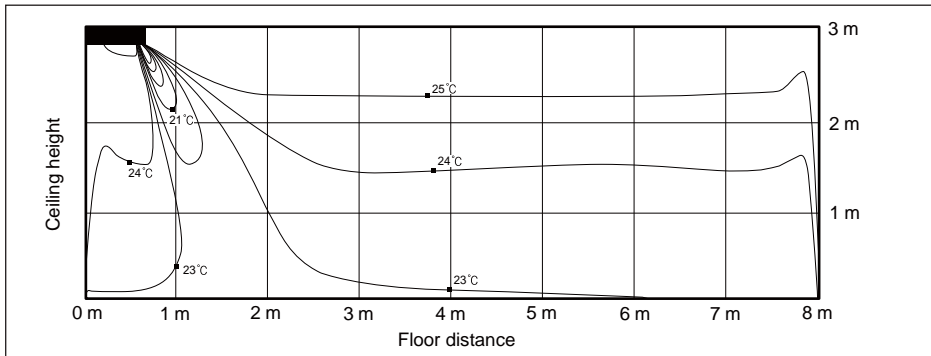
(1) Cooling air velocity distribution

Discharge angle : 36°



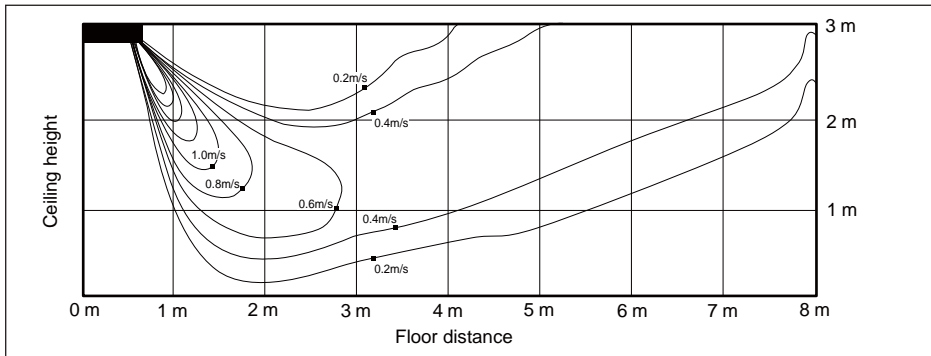
(2) Cooling temperature distribution

Discharge angle : 36°



(3) Heating air velocity distribution

Discharge angle : 54°



(4) Heating temperature distribution

Discharge angle : 54°

