

# Specifications

## Console

- SPI Ioniser for air purification included as standard.
- Slim design: only 199 mm in width.
- Turbo fan with single-phase inverter motor.
- Two separate air outlets to avoid stratification.
- Long-life washable permanent filter.
- Compatible with Wi-Fi Kit controller.
- Auto Restart function.



Model			AM022FNJDEH/EU	AM028FNJDEH/EU	AM036FNJDEH/EU	AM045KNJDEH/EU	AM056FNJDEH/EU	
Power Supply			1Ø, 2, 220-240 V, 50 Hz		1Ø, 2, 220-240 V, 50 Hz		1Ø, 2, 220-240 V, 50 Hz	
Performance	Capacity (Nominal)	Cooling	2.8		3.6		4.5	
		Heating	3.2		4		5	
Power	Power Input (Nominal)	Cooling	30		35		36	
		Heating	30		35		36	
	Current Input (Nominal)	Cooling	0.25		0.29		0.30	
		Heating	0.25		0.29		0.30	
Fan	Motor	Type	Turbo Fan		Turbo Fan		Turbo Fan	
		Output x n	37		37		37 x 1	
		Number of Fans	1		1		-	
	Airflow Rate	H/M/L (UL)	7.00/6.00/5.00		8.50/7.50/6.50		11.30/9.80/8.20	
Piping Connections	Liquid Pipe	Ø, mm	6.35		6.35		6.35	
		Ø, inch	1/4		1/4		1/4	
	Gas Pipe	Ø, mm	12.7		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		
Field Wiring	Power Source Wire	mm <sup>2</sup>	1.5/2.5		1.5/2.5		1.5-2.5	
	Transmission Cable	mm <sup>2</sup>	0.75-1.50		0.75-1.50		0.75-1.50	
Refrigerant	Type	-	R410A (Fluorinated greenhouse gas, GWP=2,088)					-
	Control Method	-	EEV INCLUDED		EEV INCLUDED		EEV INCLUDED	
Sound <sup>2</sup>	Pressure	(H/M/L)	38/36/34		39/37/34		42/39/36	
	Power	Cooling	58		59		63	
Dimensions	Net Weight	kg	16.0		16.0		16.0	
	Net Dimensions (W x H x D)	mm	720 x 620 x 199		720 x 620 x 199		720 x 620 x 199	
Additional Accessories	Air Filter	-	Long-life Filter		Long-life Filter		-	

### Accessories

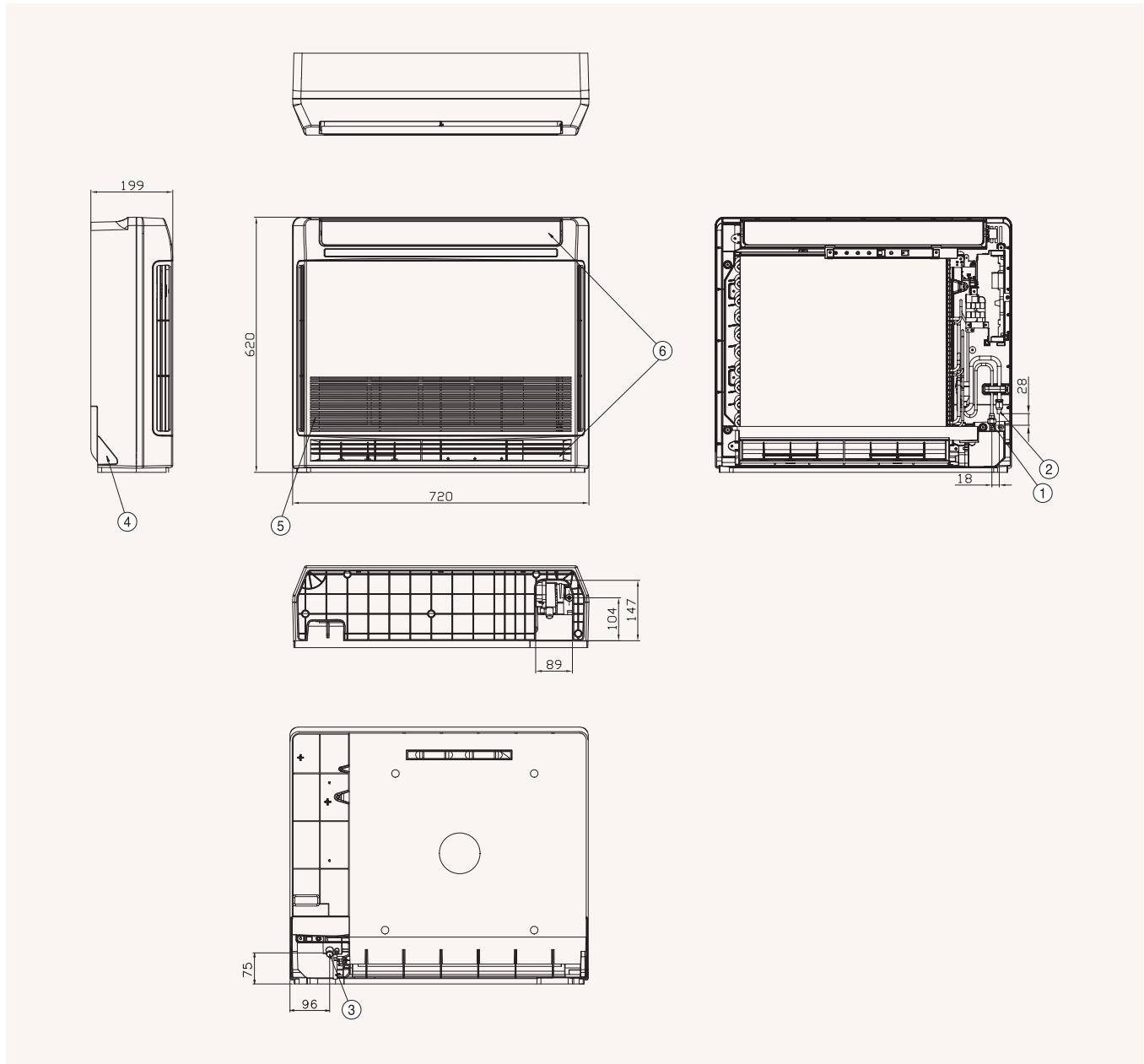


Touch Controller	Wired Remote Controller	Wired Remote Controller	Wi-Fi Kit	External Room Sensor	EEV Kit 1 Indoor	EEV Kit 2 Indoor	EEV Kit 3 Indoor
MWR-SH11N	MWR-WE13N	MWR-WG00*N	MIM-H04EN	MRW-TA	MEV-***SA	MXD-E24/32K***A	MXD-E24/32K***A

# Dimensional drawings

## Console

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

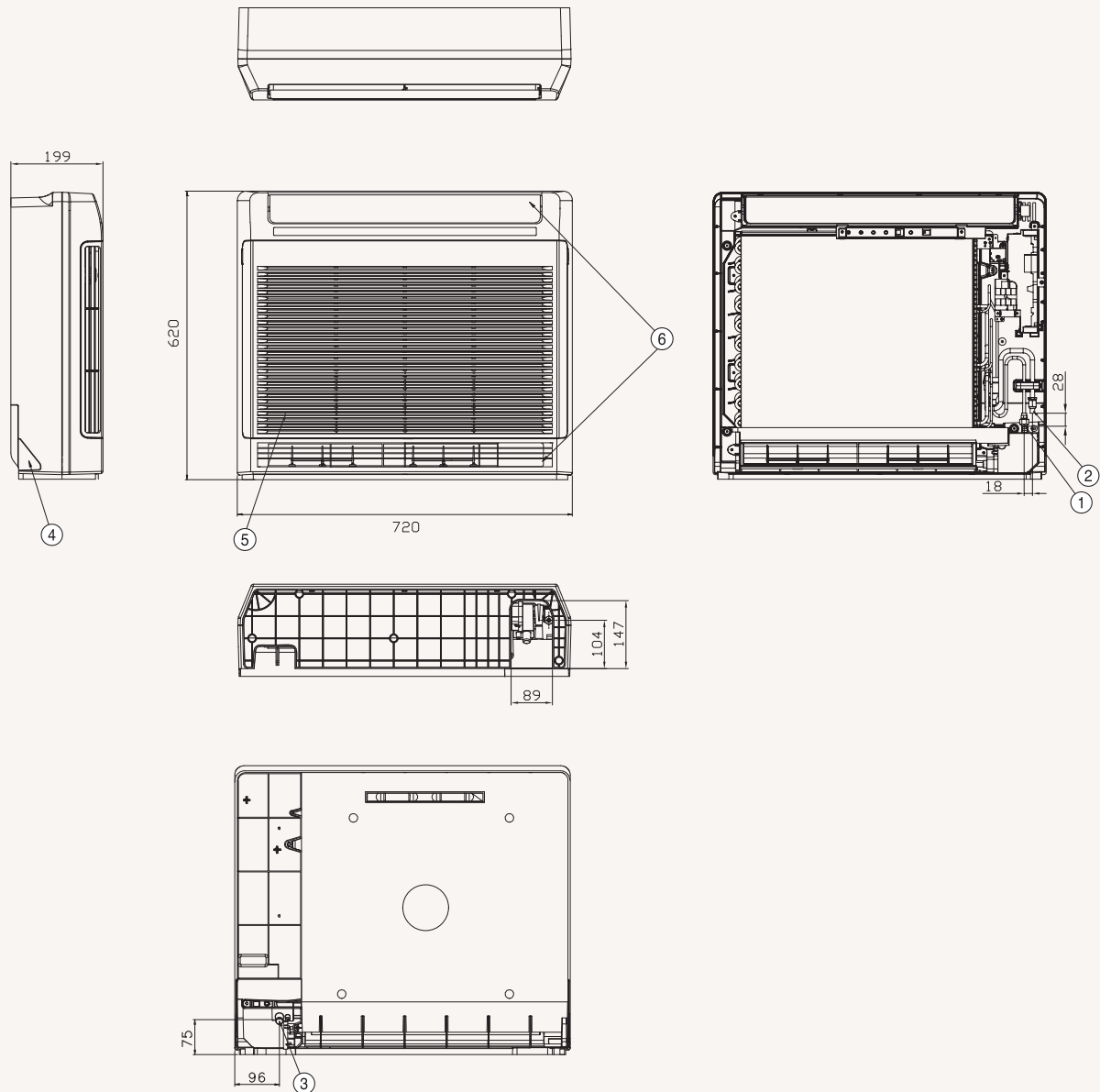


NO	Name	Description
1	Liquid pipe connection	ø6.35 Flare
2	Gas pipe connection	ø12.70 Flare
3	Drain pipe connection	ID 18 Hose
4	Power supply/communication wiring conduits	
5	Air inlet grille	
6	Air outlet louvre	

# Dimensional drawings

## Console

AM056FNJDEH/EU



NO	Name	Description
1	Liquid pipe connection	ø6.35 Flare
2	Gas pipe connection	ø12.70 Flare
3	Drain pipe connection	ID 18 Hose
4	Power supply/communication wiring conduits	
5	Air inlet grille	
6	Air outlet louvre	

# Console

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- 5 *Sound Pressure Level*
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# 1 Specifications

## Console

Type			Console		Console		
Model			AM022KNJDEH/EU		AM045KNJDEH/EU		
Power Supply		Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50		
Mode			HP/HR		HP/HR		
Performance	Capacity (Nominal)	Cooling	kW	2.20	4.50		
			Btu/h	7,500	15,400		
		Heating	kW	2.50	5.00		
			Btu/h	8,500	17,100		
Power	Power Input (Nominal)	Cooling	W	16.00	36.00		
		Heating	W	16.00	36.00		
	Current Input (Nominal)	Cooling	A	0.13	0.30		
		Heating	A	0.13	0.30		
Fan	Motor	Type	-	Turbo Fan			
		Output x n	w	37 x 1			
	Air Flow Rate	H/M/L (UL)	CMM	6.30 / 5.40 / 4.90			
			l/s	105.00 / 90.00 / 81.67			
	External Pressure	Min/Std/Max	mmAq	-			
Pa			-				
Piping Connections	Liquid Pipe	Ø, mm	6.35				
		Ø, inch	1/4"				
	Gas Pipe	Ø, mm	12.70				
		Ø, inch	1/2"				
	Drain Pipe	Ø, mm	ID18 HOSE				
Field Wiring	Power Source Wire	mm <sup>2</sup>	1.5 - 2.5				
	Transmission Cable	mm <sup>2</sup>	0.75 - 1.50				
Refrigerant	Type	-	R410A				
	Control Method	-	EEV INCLUDED				
Sound	Pressure	High / Mid / Low	dB(A)	34 / 32 / 30			
	Power	Cooling		52			
Dimension	Net Weight		kg	15.50	16.00		
	Shipping Weight		kg	20.50	21.00		
	Net Dimensions (WxHxD)		mm	720 x 620 x 199		720 x 620 x 199	
	Shipping Dimensions (WxHxD)		mm	810 x 710 x 295		810 x 710 x 295	
Panel Size	Panel model		-	-			
	Panel Net Weight		kg	-			
	Shipping Weight		kg	-			
	Net Dimensions (WxHxD)		mm	-			
	Shipping Dimensions (WxHxD)		mm	-			
Additional Accessories	Drain Pump	Drain Pump	- / Model	-			
		Max. lifting Height / Displacement	mm/liter/h	-			
	Air Filter		-	-			

### NOTE

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

# 1 Specifications

## Console

Model				AM028FNJDEH/EU	AM036FNJDEH/EU	AM056FNJDEH/EU	
Power Supply		Ø, #, V, Hz		1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	
Mode				HP/HR	HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	2.8	3.6	5.6	
			Btu/h	9,600	12,300	19,100	
		Heating	kW	3.2	4.0	6.3	
			Btu/h	10,900	13,600	21,500	
Power	Power Input (Nominal)	Cooling	W	30	35	62	
		Heating	W	30	35	62	
	Current Input (Nominal)	Cooling	A	0.25	0.29	0.49	
		Heating	A	0.25	0.29	0.49	
Fan	Motor	Type	-	Turbo Fan	Turbo Fan	Turbo Fan	
		Output	W	37	37	37	
		Number of unit	EA	1	1	1	
	Air Flow Rate	H/M/L (UL)	CMM	7.00/6.00/5.00	8.50/7.50/6.50	13.00/11.50/10.00	
			l/s	116.67/100.00/83.33	141.67/125.00/108.33	216.67/191.67/166.67	
	External Pressure	Min / Std / Max	mmAq	-	-	-	
			Pa	-	-	-	
WG			-	-	-		
Option Code				-	019044-1950B7-201C1C-330010	019044-1950D7-202424-330010	019044-19541B-203838-330010
Piping Connections	Liquid Pipe	Ø, mm	6.35	6.35	6.35		
		Ø, inch	1/4	1/4	1/4		
	Gas Pipe	Ø, mm	12.70	12.70	12.70		
		Ø, inch	1/2	1/2	1/2		
	Drain Pipe	Ø, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE		
Field Wiring	Power Source Wire	Below 20m / over 20m	mm <sup>2</sup>	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	
	Transmission Cable		mm <sup>2</sup>	0.75~1.5	0.75~1.5	0.75~1.5	
Refrigerant	Type	-	-	R410A	R410A	R410A	
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dBA	38 / 36 / 34	39 / 37 / 34	43 / 40 / 37	
	Sound Power		dBA	58	59	64	
Dimensions	Net Weight		kg	16.00	16.00	16.00	
	Shipping Weight		kg	21.00	21.00	21.00	
	Net Dimensions (WxHxD)		mm	720 x 620 x 199	720 x 620 x 199	720 x 620 x 199	
	Shipping Dimensions (WxHxD)		mm	810 x 710 x 295	810 x 710 x 295	810 x 710 x 295	
Panel Size	Panel model		-	-	-	-	
	Panel Net Weight		kg	-	-	-	
	Shipping Weight		kg	-	-	-	
	Net Dimensions (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	Long life filter	

### NOTE

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

# 2 Capacity Table

## Console

### 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
022	10	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.5	1.6	2.6	1.4
	12	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.5	1.6	2.6	1.4
	14	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.5	1.6	2.6	1.4
	16	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	18	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	20	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	21	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	23	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	25	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	27	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	29	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	31	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	33	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	35	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	37	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.6	1.4
	39	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.5	1.3
42	1.5	1.3	1.8	1.5	2.1	1.5	2.2	1.5	2.3	1.5	2.4	1.5	2.4	1.3	
44	1.5	1.3	1.8	1.5	2.0	1.4	2.1	1.4	2.2	1.4	2.3	1.4	2.4	1.2	
46	1.5	1.3	1.8	1.5	2.0	1.4	2.0	1.4	2.1	1.4	2.2	1.4	2.3	1.2	
48	1.5	1.3	1.8	1.5	2.0	1.4	2.0	1.3	2.1	1.4	2.1	1.3	2.2	1.1	
028	10	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.4	1.9
	12	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	14	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	16	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	18	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	20	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	21	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	23	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	25	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	27	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	29	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	31	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	33	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	35	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	37	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.1	1.9	3.3	1.8
	39	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	3.0	1.8	3.2	1.7
42	1.9	1.6	2.3	1.8	2.6	2.0	2.8	1.9	2.9	1.9	2.9	1.8	3.1	1.7	
44	1.9	1.6	2.3	1.8	2.5	1.9	2.7	1.8	2.8	1.8	2.8	1.7	3.0	1.6	
46	1.9	1.6	2.3	1.8	2.5	1.9	2.6	1.8	2.7	1.8	2.7	1.6	2.9	1.6	
48	1.9	1.6	2.2	1.8	2.4	1.9	2.5	1.7	2.6	1.7	2.7	1.6	2.8	1.5	
036	10	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.3	2.3
	12	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.3	2.3
	14	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.3	2.3
	16	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.3	2.3
	18	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.3	2.3
	20	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.2	2.3
	21	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.2	2.3
	23	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.2	2.3
	25	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.2	2.3
	27	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.2	2.3
	29	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.2	2.3
	31	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.2	2.3
	33	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.2	2.3
	35	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.2	2.3
	37	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	3.9	2.3	4.2	2.3
	39	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	3.9	2.3	4.1	2.2
42	2.5	2.1	2.9	2.2	3.4	2.3	3.6	2.4	3.7	2.4	3.8	2.3	4.0	2.1	
44	2.5	2.1	2.9	2.2	3.3	2.2	3.4	2.3	3.6	2.3	3.7	2.2	3.9	2.1	
46	2.5	2.1	2.9	2.2	3.2	2.2	3.3	2.2	3.4	2.2	3.6	2.1	3.8	2.0	
48	2.5	2.1	2.8	2.2	3.2	2.1	3.2	2.2	3.4	2.2	3.5	2.0	3.6	1.9	

# 2 Capacity Table

## Console

### 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
045	10	3.1	2.4	3.7	2.7	4.3	2.9	4.5	3.0	4.7	3.0	5.1	3.1	5.4	2.8
	12	3.1	2.4	3.7	2.7	4.3	2.9	4.5	3.0	4.7	3.0	5.1	3.1	5.4	2.8
	14	3.1	2.4	3.7	2.7	4.3	2.9	4.5	3.0	4.7	3.0	5.0	3.0	5.4	2.8
	16	3.1	2.4	3.7	2.7	4.3	2.9	4.5	3.0	4.7	3.0	5.0	3.0	5.3	2.8
	18	3.1	2.4	3.7	2.7	4.3	2.9	4.5	3.0	4.7	3.0	5.0	3.0	5.3	2.8
	20	3.1	2.4	3.7	2.7	4.3	2.9	4.5	3.0	4.7	3.0	5.0	3.0	5.3	2.8
	21	3.1	2.4	3.7	2.7	4.3	2.9	4.5	3.0	4.7	3.0	5.0	3.0	5.3	2.8
	23	3.1	2.4	3.7	2.7	4.3	2.9	4.5	3.0	4.7	3.0	5.0	3.0	5.3	2.8
	25	3.1	2.4	3.7	2.7	4.3	2.9	4.5	3.0	4.7	3.0	5.0	3.0	5.3	2.8
	27	3.1	2.4	3.7	2.7	4.3	2.9	4.5	3.0	4.7	3.0	5.0	3.0	5.3	2.8
	29	3.1	2.4	3.7	2.7	4.3	2.9	4.5	3.0	4.7	3.0	5.0	3.0	5.3	2.8
	31	3.1	2.4	3.7	2.7	4.3	2.9	4.5	3.0	4.7	3.0	5.0	3.0	5.3	2.8
	33	3.1	2.4	3.7	2.7	4.3	2.9	4.5	3.0	4.7	3.0	5.0	3.0	5.3	2.8
	35	3.1	2.4	3.7	2.7	4.3	2.9	4.5	3.0	4.7	3.0	5.0	3.0	5.3	2.8
	37	3.1	2.4	3.7	2.7	4.3	2.9	4.5	3.0	4.7	3.0	4.9	2.9	5.2	2.7
	39	3.1	2.4	3.7	2.7	4.3	2.9	4.5	3.0	4.7	3.0	4.9	2.9	5.1	2.6
42	3.1	2.4	3.7	2.7	4.2	2.9	4.4	3.0	4.6	3.0	4.8	2.9	5.0	2.5	
44	3.1	2.4	3.7	2.7	4.1	2.8	4.3	2.9	4.5	2.9	4.6	2.8	4.8	2.5	
46	3.1	2.4	3.7	2.7	4.0	2.8	4.2	2.8	4.3	2.8	4.5	2.7	4.7	2.4	
48	3.1	2.3	3.6	2.6	4.0	2.7	4.0	2.7	4.3	2.7	4.3	2.6	4.5	2.3	
056	10	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.3	3.9	6.7	3.6
	12	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.3	3.9	6.7	3.6
	14	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.7	3.6
	16	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.5
	18	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.5
	20	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.5
	21	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.5
	23	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.5
	25	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.5
	27	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.5
	29	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.5
	31	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.5
	33	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.5
	35	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.5
	37	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.1	3.7	6.5	3.4
	39	3.9	3.0	4.6	3.4	5.3	3.7	5.6	3.8	5.8	3.8	6.1	3.7	6.4	3.3
42	3.9	3.0	4.6	3.4	5.3	3.7	5.5	3.7	5.7	3.8	6.0	3.6	6.2	3.2	
44	3.9	3.0	4.6	3.4	5.1	3.6	5.3	3.6	5.6	3.6	5.8	3.5	6.0	3.1	
46	3.9	3.0	4.6	3.4	5.0	3.5	5.2	3.5	5.4	3.5	5.6	3.4	5.9	3.0	
48	3.9	3.0	4.5	3.3	5.0	3.5	5.0	3.4	5.3	3.5	5.4	3.3	5.7	2.9	



# 2 Capacity Table

## Console

### 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
022	-19.8	-20.0	1.5	1.5	1.5	1.5	1.5
	-18.8	-19.0	1.5	1.5	1.5	1.5	1.5
	-16.7	-17.0	1.6	1.6	1.6	1.6	1.6
	-14.7	-15.0	1.7	1.6	1.6	1.6	1.6
	-12.6	-13.0	1.8	1.8	1.8	1.8	1.7
	-10.5	-11.0	2.0	2.0	1.9	1.9	1.9
	-9.5	-10.0	2.1	2.0	2.0	1.9	1.9
	-8.5	-9.1	2.2	2.1	2.1	2.0	2.0
	-7.0	-7.6	2.3	2.2	2.2	2.0	2.0
	-5.0	-5.6	2.4	2.3	2.3	2.2	2.2
	-3.0	-3.7	2.5	2.5	2.4	2.3	2.2
	0.0	-0.7	2.6	2.5	2.5	2.3	2.2
	3.0	2.2	2.7	2.6	2.5	2.3	2.2
	5.0	4.1	2.8	2.7	2.5	2.3	2.2
	7.0	6.0	2.8	2.7	2.5	2.3	2.2
9.0	7.9	3.0	2.7	2.5	2.3	2.2	
11.0	9.8	3.0	2.7	2.5	2.3	2.2	
13.0	11.8	3.0	2.7	2.5	2.3	2.2	
15.0	13.7	3.0	2.7	2.5	2.3	2.2	
028	-19.8	-20.0	1.9	1.9	1.9	1.9	1.9
	-18.8	-19.0	1.9	1.9	1.9	1.9	1.9
	-16.7	-17.0	2.0	2.0	2.0	2.0	1.9
	-14.7	-15.0	2.1	2.1	2.0	2.0	1.9
	-12.6	-13.0	2.2	2.2	2.2	2.1	2.1
	-10.5	-11.0	2.3	2.3	2.3	2.3	2.2
	-9.5	-10.0	2.3	2.3	2.3	2.3	2.2
	-8.5	-9.1	2.4	2.4	2.4	2.4	2.3
	-7.0	-7.6	2.5	2.4	2.4	2.4	2.3
	-5.0	-5.6	2.6	2.6	2.5	2.5	2.4
	-3.0	-3.7	2.8	2.7	2.7	2.6	2.5
	0.0	-0.7	2.9	2.8	2.8	2.7	2.6
	3.0	2.2	3.0	3.0	2.9	2.8	2.7
	5.0	4.1	3.2	3.1	3.1	2.9	2.7
	7.0	6.0	3.3	3.2	3.2	3.0	2.7
9.0	7.9	3.4	3.3	3.2	3.0	2.7	
11.0	9.8	3.5	3.3	3.2	3.0	2.7	
13.0	11.8	3.6	3.4	3.2	3.0	2.7	
15.0	13.7	3.7	3.4	3.2	3.0	2.7	
036	-19.8	-20.0	2.4	2.4	2.3	2.3	2.3
	-18.8	-19.0	2.5	2.4	2.3	2.3	2.3
	-16.7	-17.0	2.6	2.5	2.4	2.4	2.3
	-14.7	-15.0	2.7	2.6	2.5	2.5	2.4
	-12.6	-13.0	2.8	2.7	2.7	2.6	2.6
	-10.5	-11.0	2.9	2.9	2.9	2.8	2.8
	-9.5	-10.0	2.9	2.9	2.9	2.8	2.8
	-8.5	-9.1	3.0	3.0	3.0	2.9	2.9
	-7.0	-7.6	3.1	3.1	3.0	3.0	2.9
	-5.0	-5.6	3.3	3.2	3.2	3.1	3.0
	-3.0	-3.7	3.4	3.4	3.3	3.2	3.1
	0.0	-0.7	3.6	3.6	3.5	3.4	3.2
	3.0	2.2	3.8	3.7	3.7	3.5	3.4
	5.0	4.1	3.9	3.9	3.8	3.6	3.4
	7.0	6.0	4.1	4.1	4.0	3.7	3.4
9.0	7.9	4.2	4.1	4.0	3.7	3.4	
11.0	9.8	4.4	4.2	4.0	3.7	3.4	
13.0	11.8	4.5	4.2	4.0	3.7	3.4	
15.0	13.7	4.6	4.3	4.0	3.7	3.4	

# 2 Capacity Table

## Console

### Heating

TC : Total Capacity(kW)

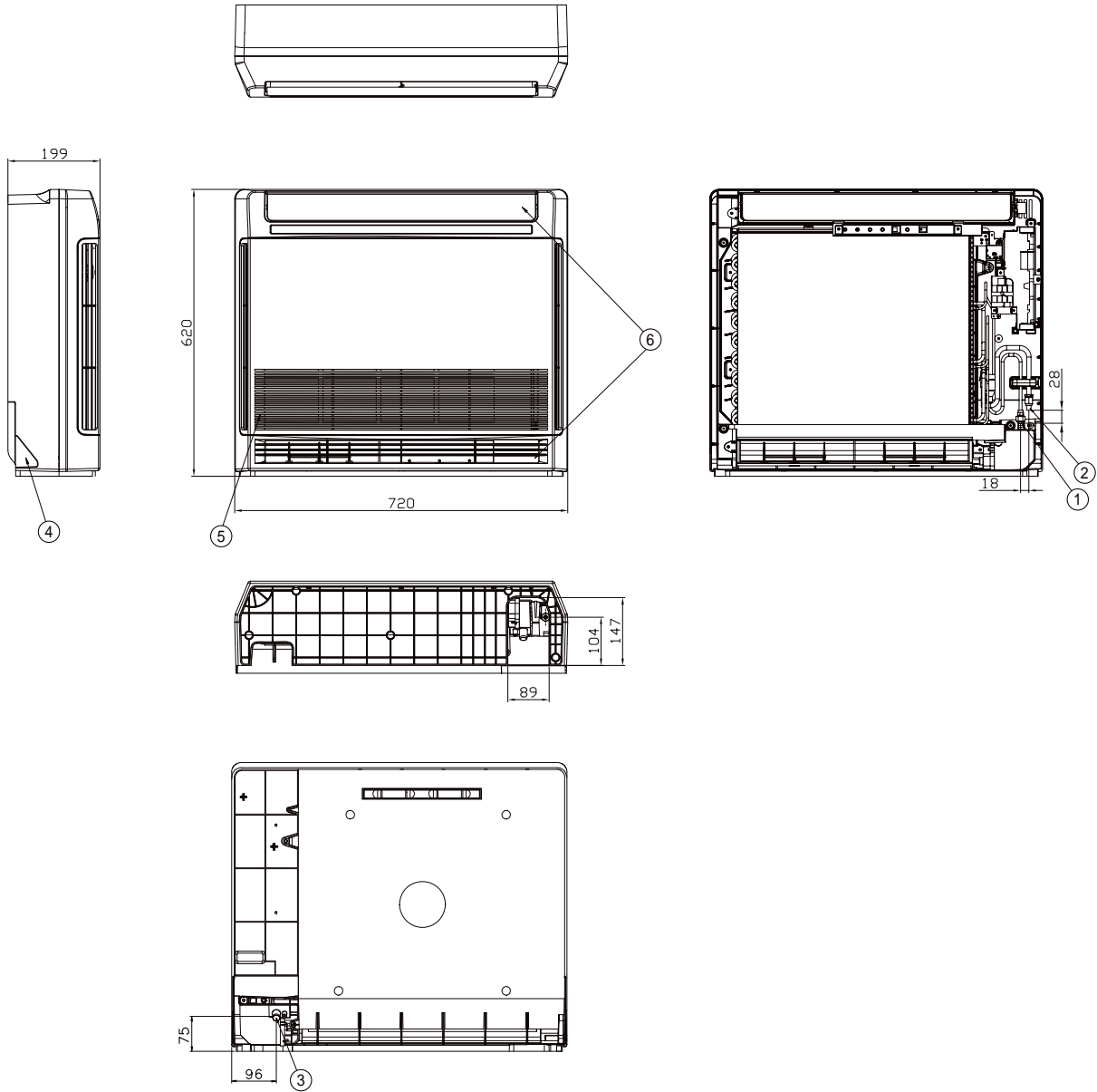
Capacity Index	Outdoor Air Temp. (°C )		Indoor temperature ( °C,DB )				
			16(°C,DB)	18(°C,DB)	20(°C,DB)	22(°C,DB)	24(°C,DB)
	DB	WB	TC kW	TC kW	TC kW	TC kW	TC kW
045	-19.8	-20.0	3.1	3.0	3.0	2.9	2.9
	-18.8	-19.0	3.1	3.1	3.1	3.0	3.0
	-16.7	-17.0	3.2	3.2	3.1	3.0	3.0
	-14.7	-15.0	3.3	3.3	3.2	3.1	3.0
	-12.6	-13.0	3.5	3.4	3.3	3.3	3.2
	-10.5	-11.0	3.6	3.6	3.5	3.5	3.4
	-9.5	-10.0	3.7	3.7	3.6	3.5	3.5
	-8.5	-9.1	3.8	3.7	3.7	3.6	3.5
	-7.0	-7.6	3.9	3.8	3.8	3.7	3.6
	-5.0	-5.6	4.1	4.1	4.0	3.9	3.7
	-3.0	-3.7	4.3	4.2	4.2	4.1	3.9
	0.0	-0.7	4.5	4.4	4.4	4.2	4.0
	3.0	2.2	4.7	4.7	4.6	4.4	4.2
	5.0	4.1	4.9	4.8	4.8	4.5	4.2
	7.0	6.0	5.2	5.1	5.0	4.6	4.2
9.0	7.9	5.3	5.2	5.0	4.6	4.2	
11.0	9.8	5.5	5.2	5.0	4.6	4.2	
13.0	11.8	5.6	5.3	5.0	4.6	4.2	
15.0	13.7	5.8	5.4	5.0	4.6	4.2	
056	-19.8	-20.0	3.9	3.8	3.8	3.7	3.7
	-18.8	-19.0	3.9	3.9	3.8	3.7	3.7
	-16.7	-17.0	4.0	4.0	3.9	3.8	3.8
	-14.7	-15.0	4.2	4.1	4.0	3.9	3.8
	-12.6	-13.0	4.4	4.3	4.2	4.1	4.0
	-10.5	-11.0	4.6	4.5	4.4	4.4	4.3
	-9.5	-10.0	4.7	4.6	4.6	4.5	4.4
	-8.5	-9.1	4.8	4.7	4.7	4.6	4.5
	-7.0	-7.6	4.9	4.8	4.8	4.7	4.5
	-5.0	-5.6	5.2	5.1	5.0	4.9	4.7
	-3.0	-3.7	5.4	5.3	5.3	5.1	4.9
	0.0	-0.7	5.7	5.6	5.5	5.3	5.0
	3.0	2.2	5.9	5.9	5.8	5.6	5.3
	5.0	4.1	6.2	6.1	6.0	5.7	5.3
	7.0	6.0	6.5	6.4	6.3	5.8	5.3
9.0	7.9	6.7	6.5	6.3	5.8	5.3	
11.0	9.8	6.9	6.6	6.3	5.8	5.3	
13.0	11.8	7.1	6.7	6.3	5.8	5.3	
15.0	13.7	7.3	6.8	6.3	5.8	5.3	

# 3 Dimensional Drawing

## Console

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

[ Unit : mm ]



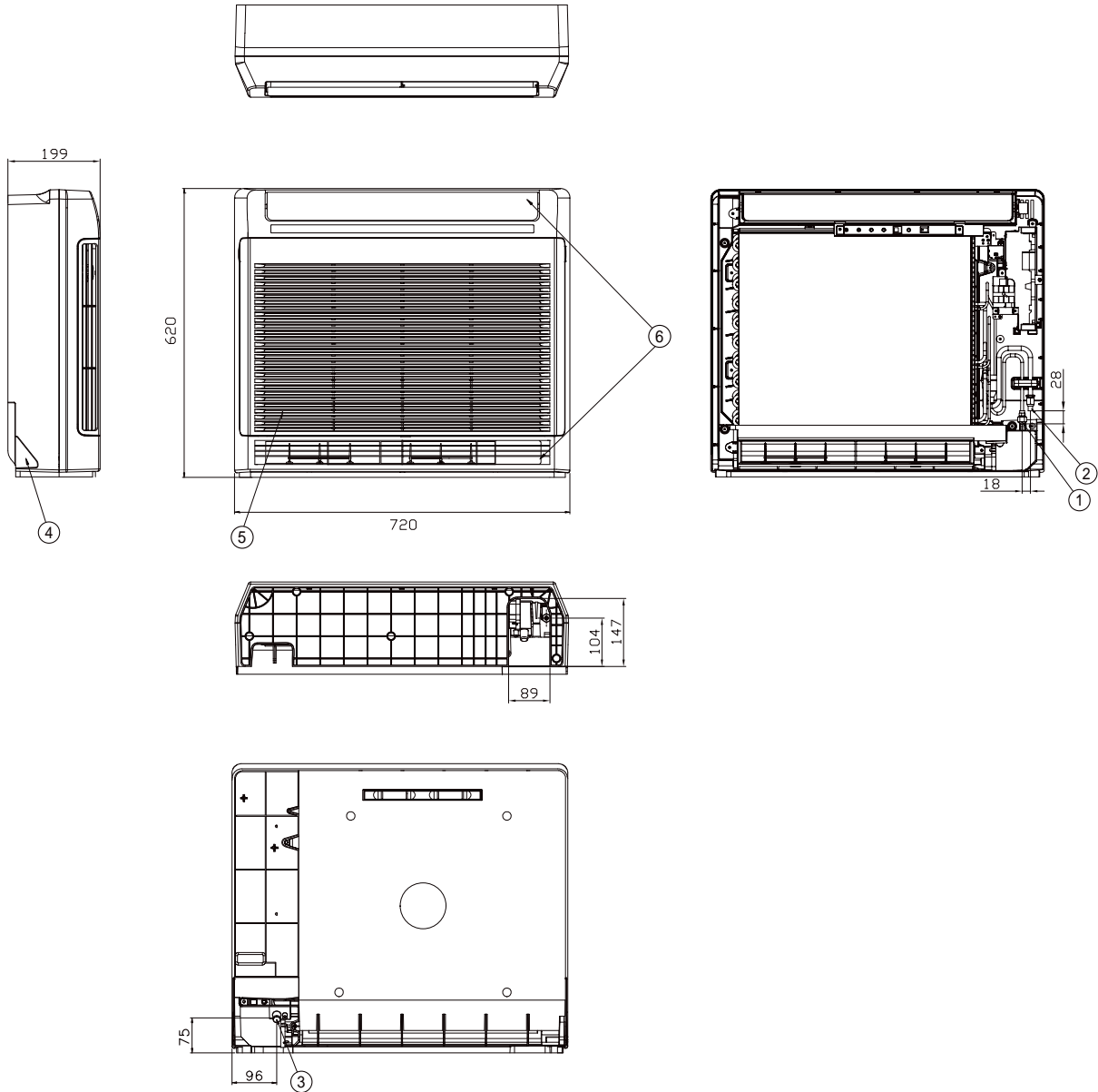
No.	Name	Description			
		2.2kW	2.8kW	3.6kW	4.5kW
①	Liquid pipe connection	Ø6.35 Flare			
②	Gas pipe connection	Ø12.70 Flare			
③	Drain pipe connection	ID18 Hose			
④	Conduit for power supply & communication wiring	-			
⑤	Air inlet grille	-			
⑥	Air outlet louver	-			

# 3 Dimensional Drawing

## Console

AM056FNJDEH/EU

[ Unit : mm ]

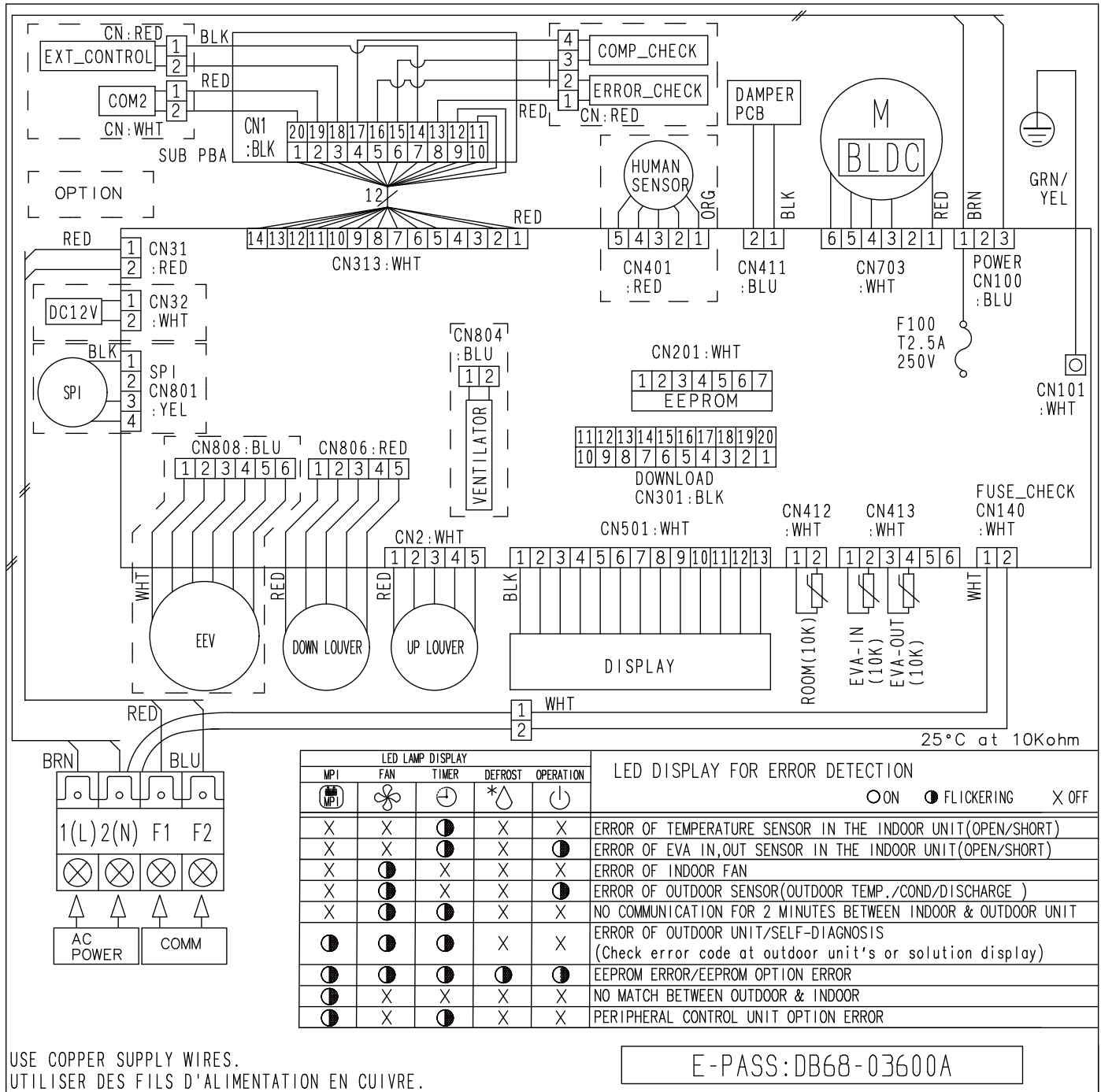


No.	Name	Description
		5.6kW
①	Liquid pipe connection	Ø6.35 Flare
②	Gas pipe connection	Ø12.70 Flare
③	Drain pipe connection	ID18 Hose
④	Conduit for power supply & communication wiring	-
⑤	Air inlet grille	-
⑥	Air outlet louver	-

# 4 Electrical Wiring Diagram

## Console

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

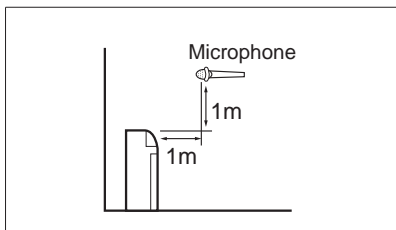


### NOTE

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

## Console



Unit: dB(A)

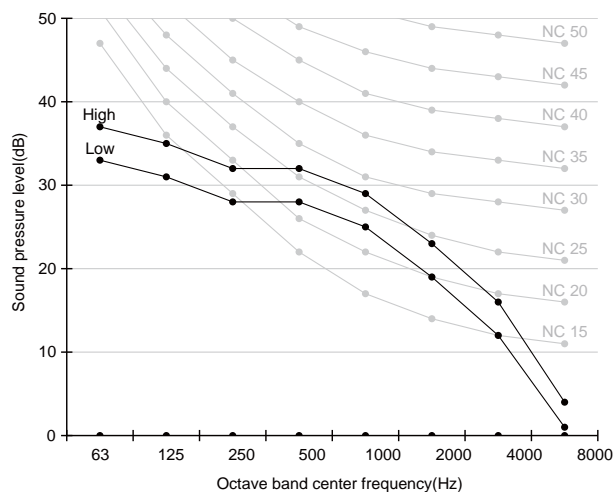
Model	High	Low
AM022KNJDEH/EU	34	30
AM045KNJDEH/EU	42	36

### Note

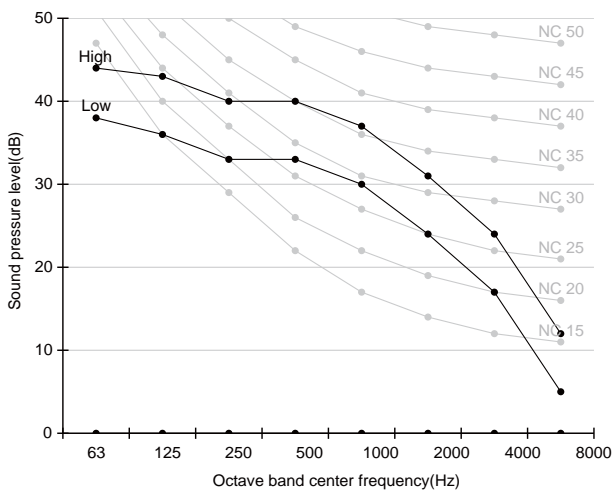
Specifications may be subject to change without prior notice.  
 Sound pressure level is obtained in an anechoic room.  
 Sound pressure level is a relative value, depending on the distance and acoustic environment.  
 Sound pressure level may differ depending on operation condition.  
 dBA = A-weighted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

## NC curve

1) AM022KNJDEH/EU



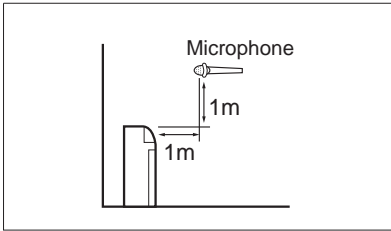
2) AM045KNJDEH/EU



# 5 Sound Pressure Level

## Console

Unit: dB(A)



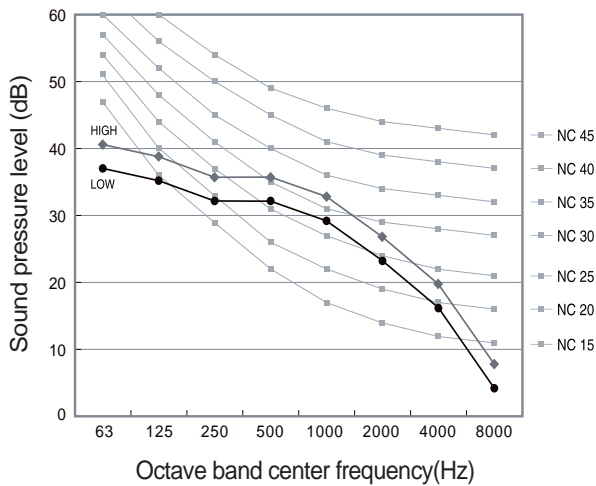
Model	High	Low
AM028FNJDEH/EU	38	34
AM036FNJDEH/EU	39	34
AM056FNJDEH/EU	43	37

### Note

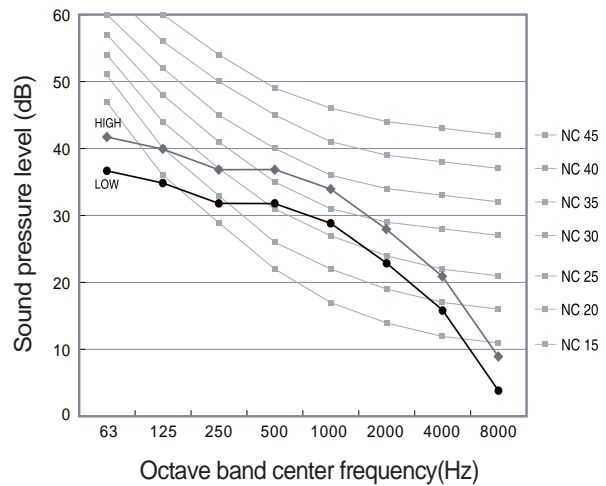
Specifications may be subject to change without prior notice.  
 Sound pressure level is obtained in an anechoic room.  
 Sound pressure level is a relative value, depending on the distance and acoustic environment.  
 Sound pressure level may differ depending on operation condition.  
 dBA = A-weighted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

## NC curve

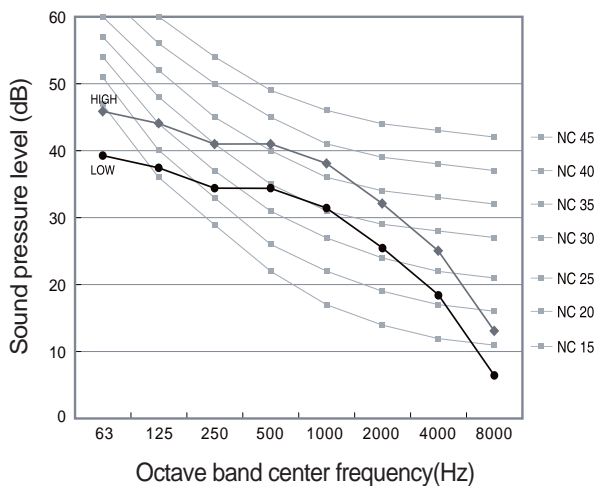
1) AM028FNJDEH/EU



2) AM036FNJDEH/EU



3) AM056FNJDEH/EU



# 6 Sound Power Level

## Console

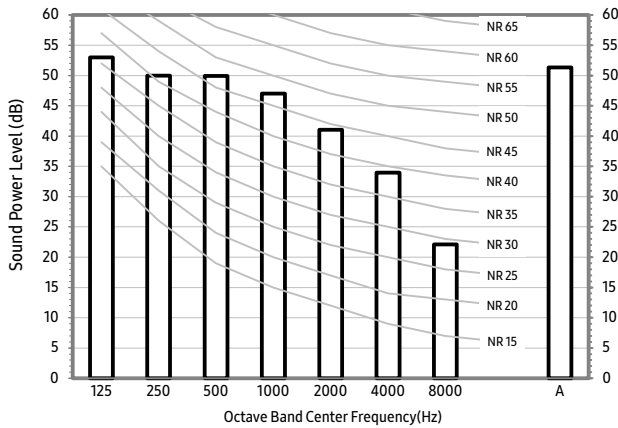
Unit: dB(A)

### Note

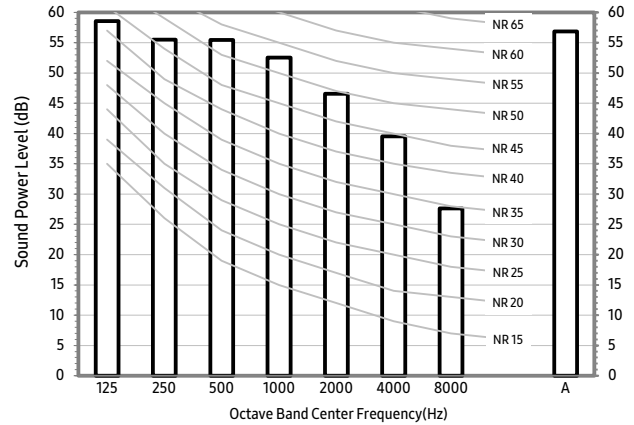
- . Specifications may be subject to change without prior notice.
- . Sound power level is an absolute value that a sound source generates.
- . dBA = A-weighted sound power level.
- . Reference power : 1pW.
- . Measured according to ISO 3741

Model	Power
AM022KNJDEH/EU	52
AM028FNJDEH/EU	58
AM036FNJDEH/EU	59
AM045KNJDEH/EU	63
AM056FNJDEH/EU	64

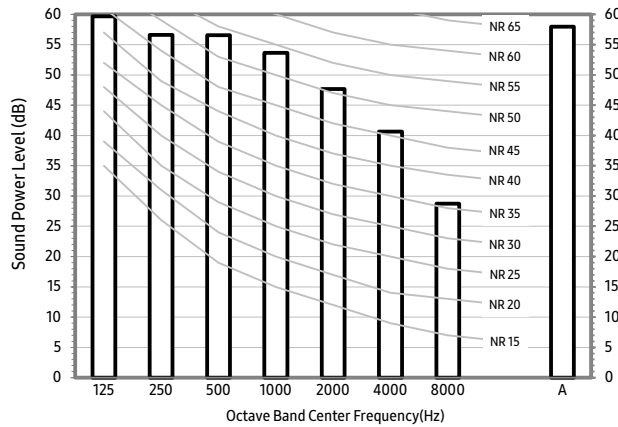
1) AM022KNJDEH/EU



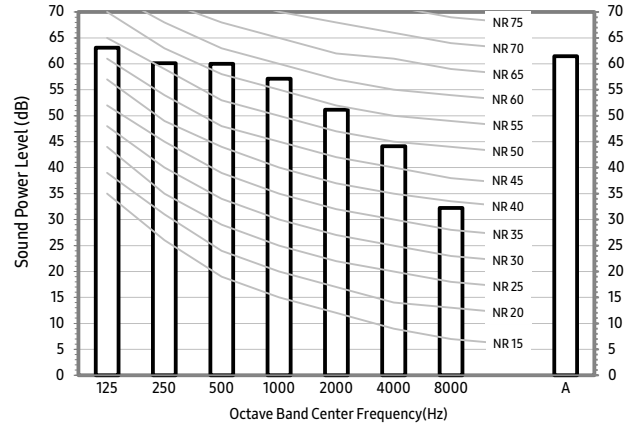
2) AM028FNJDEH/EU



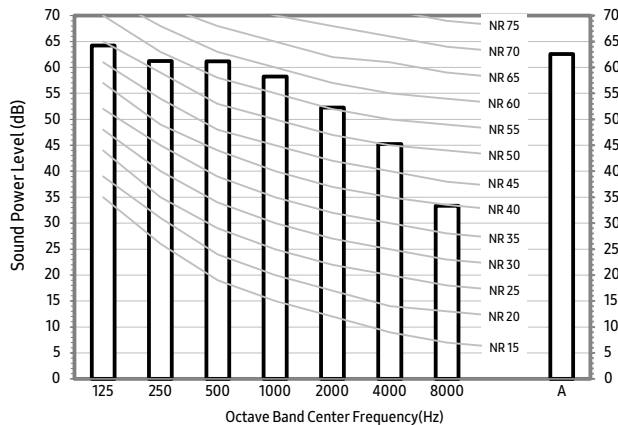
3) AM036FNJDEH/EU



4) AM045KNJDEH/EU



5) AM056FNJDEH/EU





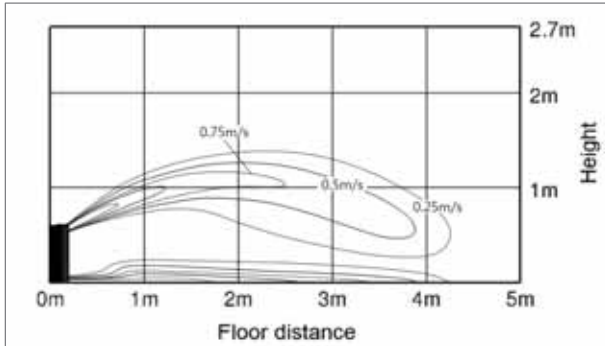
# 7 Temperature and air flow distribution

## Console

AM022KNJDEH/EU

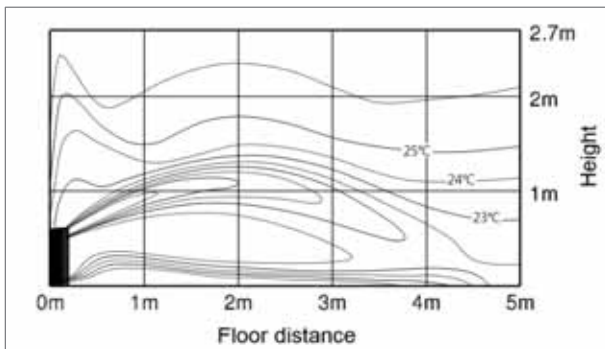
### (1) Cooling air velocity distribution

Discharge angle (Default) : 40°



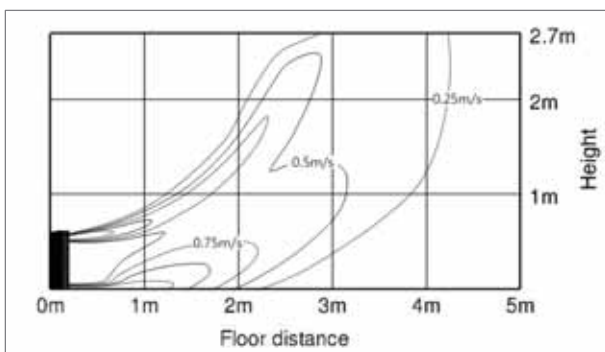
### (2) Cooling temperature distribution

Discharge angle (Default) : 40°



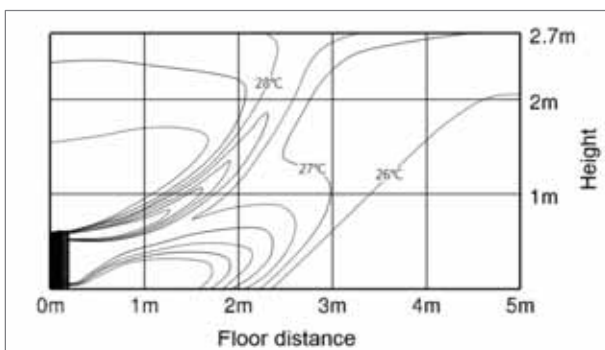
### (3) Heating air velocity distribution

Discharge angle (Default) : 4°



### (4) Heating temperature distribution

Discharge angle (Default) : 4°



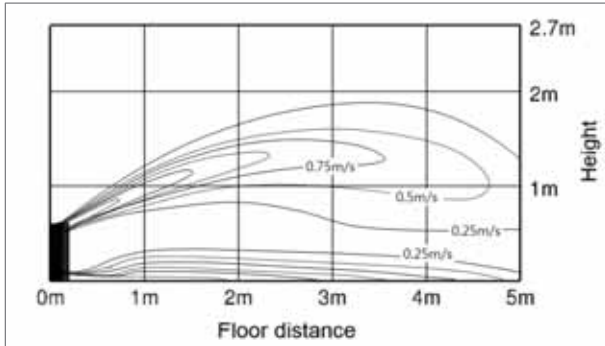
# 7 Temperature and air flow distribution

## Console

AM028FNJDEH/EU

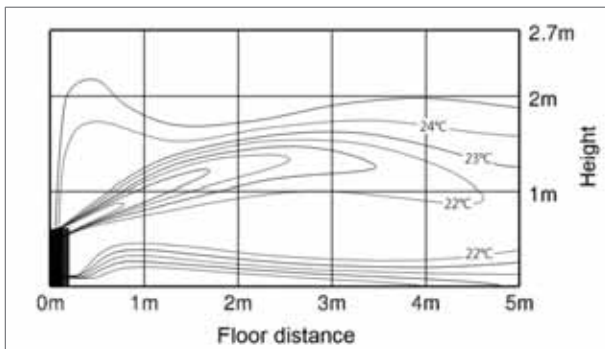
### (1) Cooling air velocity distribution

Discharge angle (Default) : 40°



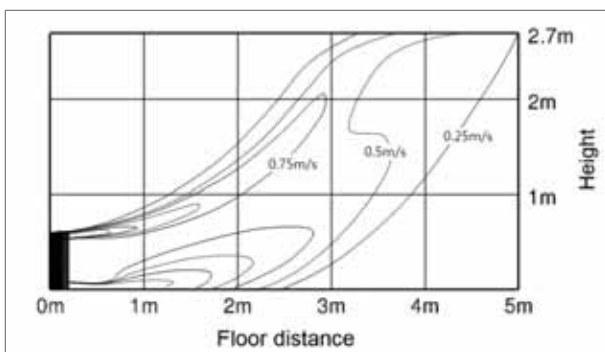
### (2) Cooling temperature distribution

Discharge angle (Default) : 40°



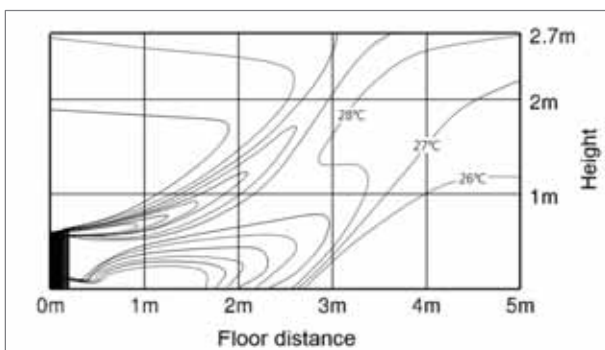
### (3) Heating air velocity distribution

Discharge angle (Default) : 4°



### (4) Heating temperature distribution

Discharge angle (Default) : 4°



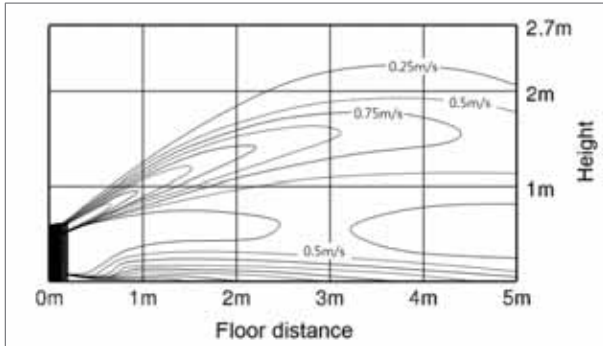
# 7 Temperature and air flow distribution

## Console

AM036FNJDEH/EU

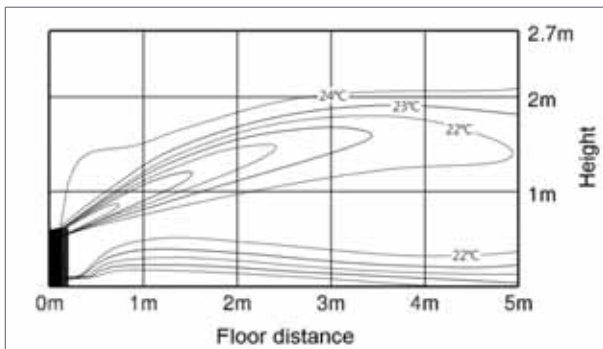
### (1) Cooling air velocity distribution

Discharge angle (Default) : 40°



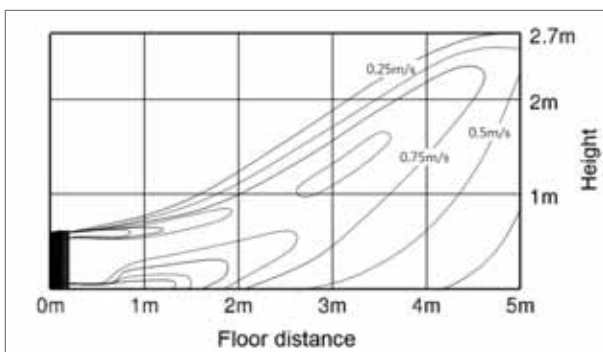
### (2) Cooling temperature distribution

Discharge angle (Default) : 40°



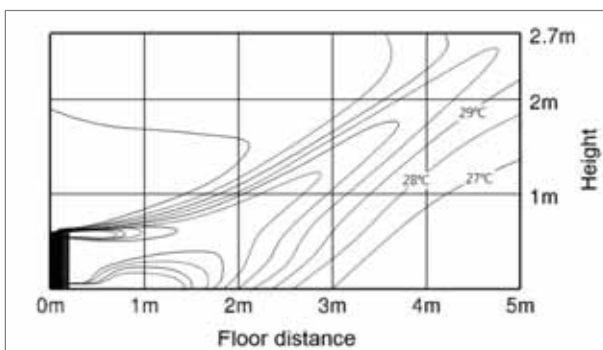
### (3) Heating air velocity distribution

Discharge angle (Default) : 4°



### (4) Heating temperature distribution

Discharge angle (Default) : 4°



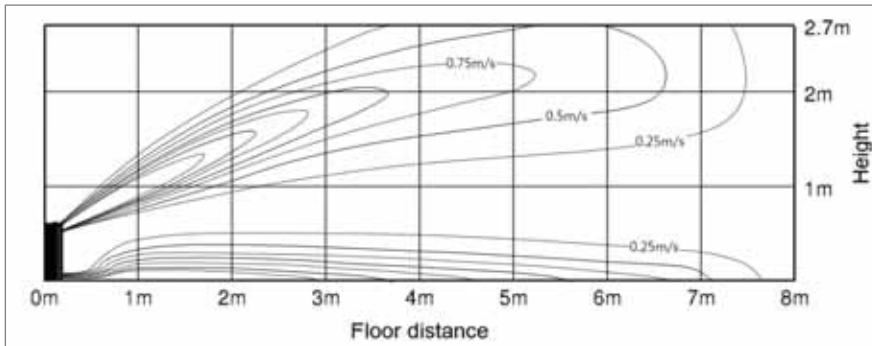
# 7 Temperature and air flow distribution

## Console

AM045KNJDEH/EU

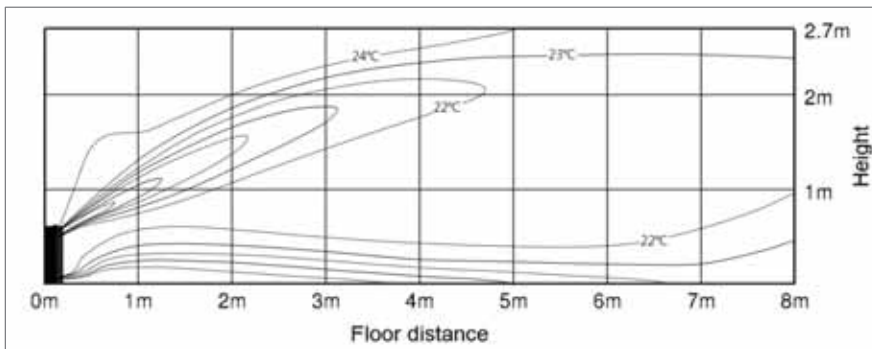
### (1) Cooling air velocity distribution

Discharge angle (Default) : 40°



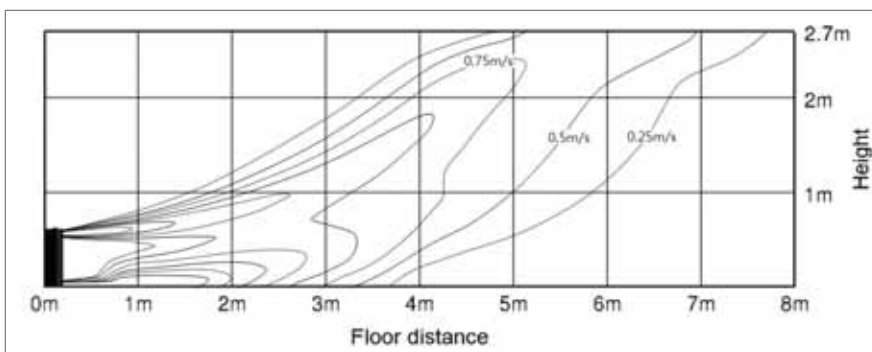
### (2) Cooling temperature distribution

Discharge angle (Default) : 40°



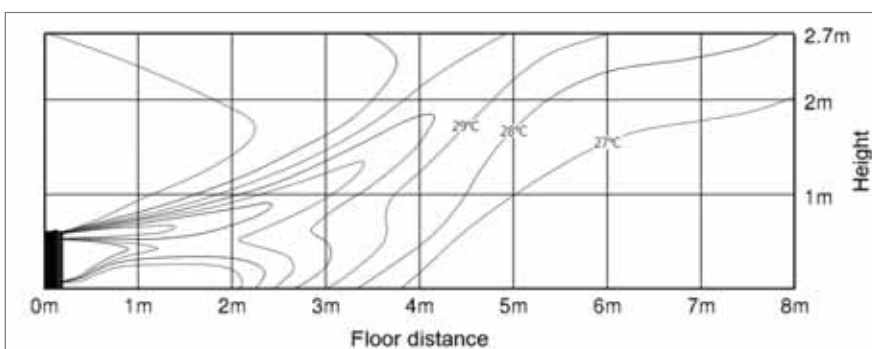
### (3) Heating air velocity distribution

Discharge angle (Default) : 4°



### (4) Heating temperature distribution

Discharge angle (Default) : 4°



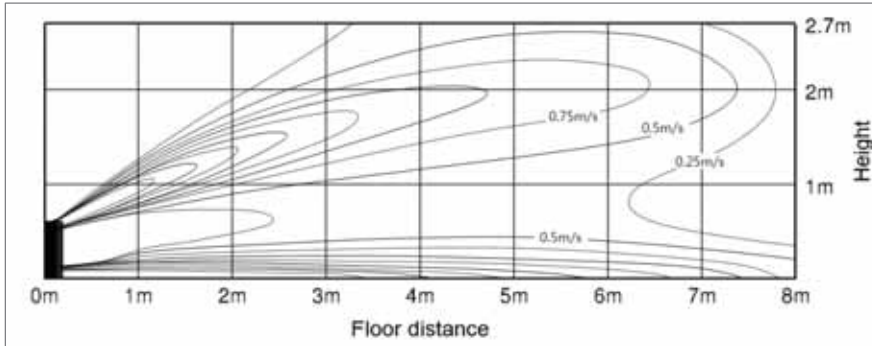
# 7 Temperature and air flow distribution

## Console

AM056FNJDEH/EU

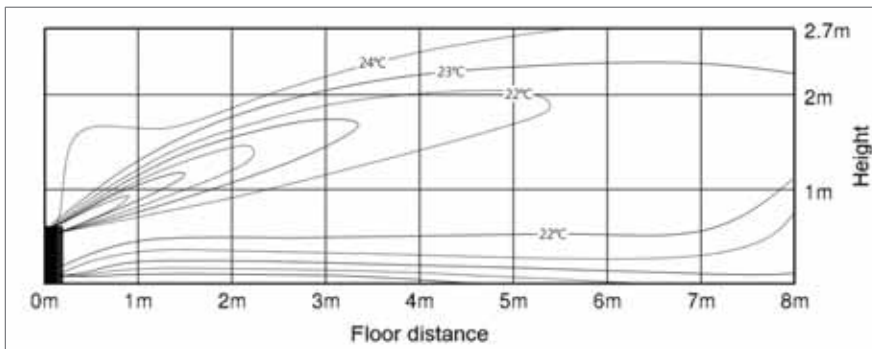
### (1) Cooling air velocity distribution

Discharge angle (Default) : 40°



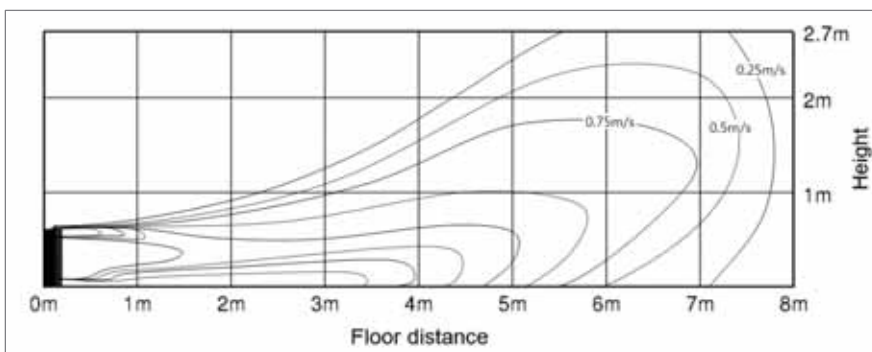
### (2) Cooling temperature distribution

Discharge angle (Default) : 40°



### (3) Heating air velocity distribution

Discharge angle (Default) : 4°



### (4) Heating temperature distribution

Discharge angle (Default) : 4°

