

# Wall Mounted Type (A3050)

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# Features & Benefits

## Wall Mount Type

### Breathe easily with wall-mounted systems designed for all-day freshness

Samsung Wall Mount Type air conditioners have been designed from the ground up to be exceptionally efficient. With their stylish, innovative designs, these wall-mounted air conditioners optimize comfort with cool, clean, healthy freshness for everyday living.

### Improved blade operation

Samsung's wide twin blade can open up to 90° for more effective cooling. The longer twin blade ensures that air reaches every corner of the room with greater control.

### Superior dust filtration

A Full High Density (HD) filter creates cleaner air through enhanced filtration, reducing microscopic dust particles by up to 90 percent.

### Cleaner, healthier air

Virus Doctor eliminates the harmful substances and viruses breeding in the atmosphere of living spaces, thus providing the highest level of indoor air quality. This smart solution creates a purified zone, eliminating the hazards of airborne allergens and controlling the active oxygen that contributes to disease, cancer and accelerated aging.

### Good's sleep

Samsung's Wall Mount Type units feature Good'sleep mode for a comfortable bedroom climate perfectly tempered for a restful night. With automatic temperature and moisture adjustment, all three vital stages of sleep are protected from humidity and heat so users wake up fully rested and refreshed.

## AR9000, 7000, 5000 Series - Triangular design, powerful cooling

### Cool every corner of the room with a unique, efficiency-boosting design

Samsung AR9000, 7000, 5000 Series units are designed with efficiency in mind. Their uniquely triangular design improves performance to circulate cool, clean air throughout every inch of the room. In addition, their smart design includes easy-to-remove filters for easy management and healthier airflow.

### Faster, farther cooling performance

The units' distinctive triangular design has a wider intake, so more air can be drawn in. The improved width and angle of the outlet, extra v-blades and bigger fan also ensure that air is cooled and expelled faster and farther. The result is refreshingly cool air that reaches every corner of the room—with no blind spots. Their Smart Inverter also provides significantly greater energy efficiency.

### Easy-access maintenance

Unlike conventional filters that are often difficult to access, the Samsung wall-mounted unit filter is on the outside, at the top of the device. Easy access means users can take out the filter, clean it and put it back without having to open a cover or pull hard to get it out. And its antibacterial coating filters dust, dangerous airborne contaminants and allergens for healthier breathing.



# 1. Specification

## Wall Mounted Type (A3050)

System	Model Name	Indoor Unit		AC026MNADKH/EU	AC035MNADKH/EU	AC052MNADKH/EU	AC071MNADKH/EU	
		Outdoor Unit		AC026MXADKH/EU	AC035MXADKH/EU	AC052MXADKH/EU	AC071MXADKH/EU	
	Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	Capacity	Cooling (Min/Std/Max)	kW	1.10 / 2.60 / 3.40	1.20 / 3.50 / 3.90	1.90 / 5.00 / 5.60	2.20 / 7.10 / 8.00	
			Btu/h	3,800 / 8,900 / 11,600	4,100 / 11,900 / 13,300	6,500 / 17,100 / 19,100	7,500 / 24,200 / 27,300	
		Heating (Min/Std/Max)	kW	1.00 / 3.30 / 4.00	1.10 / 4.00 / 4.70	1.50 / 6.00 / 6.25	1.90 / 8.00 / 9.00	
			Btu/h	3,400 / 11,300 / 13,600	3,800 / 13,600 / 16,000	5,100 / 20,500 / 21,300	6,500 / 27,300 / 30,700	
Power	Power Input	Cooling (Min/Std/Max)	kW	0.24 / 0.74 / 1.20	0.25 / 1.10 / 1.60	0.40 / 2.20 / 2.30	0.35 / 2.52 / 3.95	
		Heating (Min/Std/Max)	kW	0.21 / 1.00 / 1.45	0.23 / 1.60 / 1.80	0.34 / 1.90 / 3.15	0.35 / 2.55 / 3.95	
	Current Input	Cooling (Min/Std/Max)	A	1.70 / 4.10 / 5.50	1.60 / 5.60 / 7.50	2.60 / 9.70 / 10.10	2.00 / 11.20 / 17.00	
		Heating (Min/Std/Max)	A	1.40 / 5.00 / 7.00	1.30 / 7.10 / 10.50	2.30 / 8.40 / 14.00	2.00 / 11.30 / 17.00	
	Current	MCA	A	11.6	11.6	21.6	21.6	
		MFA	A	12.8	12.8	25	25	
Efficiency	EER	Cooling	W/W	3.51	3.18	2.27	2.82	
	COP	Heating	W/W	3.30	2.50	3.16	3.14	
	SEER (Cooling Energy Grade)		W/W	6.4 (A++)	6.3 (A++)	6.2 (A++)	6.3 (A++)	
	SCOP (Heating Energy Grade)		W/W	4.0 (A+)	4.0 (A+)	3.8 (A)	4.0 (A+)	
	Pdesignh		kW	2	2	2.4	3.6	
		Liquid Pipe	Type	Flare connection	Flare connection	Flare connection	Flare connection	
System	Piping Connections		Φ, mm	6.35	6.35	6.35	6.35	
			Φ, inch	1/4	1/4	1/4	1/4	
	Gas Pipe	Type	Flare connection	Flare connection	Flare connection	Flare connection		
		Φ, mm	9.52	9.52	12.7	15.88		
		Φ, inch	3/8	3/8	1/2	5/8		
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes		
	Piping length (ODU-IDU)	Standard	m	5	5	5		
		Max.	m	20	20	30		
		Elevation	m	15	15	20		
		Chargeless	m	20	20	5		
Wiring connections		Power Source Wire		mm <sup>2</sup>	-	-	-	-
		Transmission Cable		mm <sup>2</sup>	Min. 0.75	Min. 0.75	Min. 0.75	Min. 0.75
		Remark		-	F1, F2	F1, F2	F1, F2	F1, F2
		Power supply intake		-	Both indoor and outdoor unit			
Refrigerant		Type		-	R410A	R410A	R410A	R410A
		Factory Charging		kg / tCO <sub>2</sub> e	1.05 / 2.19	1.05 / 2.19	1.3 / 2.71	1.5 / 3.13

# 1. Specification

## Wall Mounted Type (A3050)

Indoor Unit	Model Name	Indoor Unit		AC026MNADKH/EU	AC035MNADKH/EU	AC052MNADKH/EU	AC071MNADKH/EU
		Outdoor Unit		AC026MXADKH/EU	AC035MXADKH/EU	AC052MXADKH/EU	AC071MXADKH/EU
	Power Supply		Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50
	Heat Exchanger	Type	-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
		Material	Fin	Al	Al	Al	Al
			Tube	Cu	Cu	Cu	Cu
	Fan	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
		Quantity	EA	1	1	1	1
		Air Flow Rate	High/Mid/Low	CMM	7.7 / 6.2 / 5.0	8.5 / 7.2 / 5.8	10.7 / 9.0 / 7.2
				l/s	128.3 / 103.3 / 83.3	141.7 / 120.0 / 96.7	178.3 / 150.0 / 120.0
		External Static Pressure	Min/Std/Max	mmAq	-	-	-
				Pa	-	-	-
	Fan Motor	Output	W x n	27 x 1	27 x 1	27 x 1	27 x 1
	Drain	Drain Pipe	Φ, mm	ID18mm Hose	ID18mm Hose	ID18mm Hose	ID18mm Hose
	Sound	Sound Pressure Level	High/Mid/Low/(Silent)	dB(A)	36 / 30 / 24 / 18	38 / 32 / 26 / 20	42 / 37 / 32 / 25
		Sound Power Level		dB(A)	56	59	60
	External Dimension	Net Weight	kg	7.6	7.6	10.8	14.4
		Shipping Weight	kg	9	9	12.6	16.8
	Casing	Net Dimensions (WxHxD)	mm	750 x 249 x 246	750 x 249 x 246	896 x 261 x 261	1065 x 301 x 294
		Shipping Dimensions (WxHxD)	mm	800 x 298 x 302	800 x 298 x 302	956 x 317 x 335	1123 x 354 x 384
	Control System	Infrared remote control	-	MR-EH00	MR-EH00	MR-EH00	MR-EH00
	Control System	Wired remote control	-	MWR-WE10N / MWR-WE11N	MWR-WE10N / MWR-WE11N	MWR-WE10N / MWR-WE11N	MWR-WE10N / MWR-WE11N
	Drain Pump	Drain Pump	-	-	-	-	-
		Max. lifting Height / Displacement	mm / Liter/h	-	-	-	-
	Additional Accessories	Drain Pump	External Model	-	-	-	-
			Internal Model	-	-	-	-
		Max. lifting Height / Displacement	mm / Liter/h	-	-	-	-
		Air Filter	-	Removable / Washable	Removable / Washable	Removable / Washable	Removable / Washable
	Virus Doctor	-	-	-	-	-	-

# 1. Specification

## Wall Mounted Type (A3050)

Outdoor Unit	Model Name	Indoor Unit		AC026MNADKH/EU	AC035MNADKH/EU	AC052MNADKH/EU	AC071MNADKH/EU	
		Outdoor Unit		AC026MXADKH/EU	AC035MXADKH/EU	AC052MXADKH/EU	AC071MXADKH/EU	
	Power Supply		Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	
	Heat Exchanger	Type	-	Fin & Tube	Fin & Tube	FMC	FMC	
		Material	Fin	Al	Al	Al	Al	
			Tube	Cu	Cu	Al	Al	
	Fin Treatment		-	Anti-Corrosion	Anti-Corrosion	Hybrid Coating	Hybrid Coating	
	Compressor		Model Name	UG9AJ3090FER	UG9AJ3090FER	UG9TK3150FE4	UG4T200FUAE4	
	Fan	Output		kW	0.83	0.83	1.42	
		Oil	Type	-	POE	POE	POE	
			Initial charge	cc	320	320	500	
	Fan Motor	Type	-	Propeller	Propeller	Propeller	Propeller	
		Discharge direction		Front	Front	Front	Front	
		Quantity		EA	1	1	1	
		Air Flow Rate		CMM	29	30	40	
				l/s	483	500	667	
	Sound	Type	-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	
		Output		W x n	68 x 1	68 x 1	125 x 1	
		Sound Pressure Level	dB(A)	46	48	48	49	
	External Dimension	Sound Pressure Level	dB(A)	47	48	48	51	
		Net Weight		kg	32.8	32.8	43.8	
		Shipping Weight		kg	35.8	35.8	47.5	
	Net Dimensions (WxHxD)		mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310	
	Shipping Dimensions (WxHxD)		mm	926 x 640 x 384	926 x 640 x 384	1023 x 730 x 413	1023 x 911 x 413	
	Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate	
	Operating Temp. Range	Cooling	°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	
		Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	

### NOTE

- Specification may be subject to change without prior notice.  
Specification comply with EN14511.
- 1) Capacities are based on (Equivalent refrigerant piping 5m, Level differences 0m);
  - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
  - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
- 2) Sound power level is an absolute value that a sound source generates.  
Sound power level is based on cooling operation.  
Sound pressure level is a relative value, depending on the distance and acoustic environment.  
Sound values are obtained in an anechoic room.  
Sound values of multi combination are theoretical values based on sound results of individual installed units.
- 3) These products contain R410A(GWP=2,088) which is fluorinated greenhouse gas.
- In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on [pvi.samsung.com](http://pvi.samsung.com) site.

## 2. Summary Table

### Wall Mounted Type (A3050)

#### Performance Characteristics

Model Code	Net Weight (kg)	Capacity		Fan Speed	Airflow (Cooling/Heating) (CMM)	Sound Pressure Level (dBA)	Sound Power Level (dBA)	
		Cooling (kW)	Heating (kW)					
AC026MNADKH/EU	7.6	Max.	3.4	4.0	High	7.7 / 8.5	36	56
		Std.	2.6	3.3	Mid	6.2 / 7.2	30	-
		Min.	1.1	1.0	Low	5.0 / 5.8	24	-
AC035MNADKH/EU	7.6	Max.	3.9	4.7	High	8.5 / 8.5	38	59
		Std.	3.5	4.0	Mid	7.2 / 7.2	32	-
		Min.	1.2	1.1	Low	5.8 / 5.8	26	-
AC052MNADKH/EU	10.8	Max.	5.6	6.25	High	10.7 / 10.7	42	60
		Std.	5.0	6.0	Mid	9.0 / 9.0	37	-
		Min.	1.9	1.5	Low	7.2 / 7.2	32	-
AC071MNADKH/EU	14.4	Max.	8.0	9.0	High	17.1 / 17.1	43	61
		Std.	7.1	8.0	Mid	14.5 / 14.5	39	-
		Min.	2.2	1.9	Low	12.4 / 12.4	35	-

#### NOTE

- Sound data is based on cooling operation.

#### Electric Characteristics

Model		Outdoor Unit				Input Current (Amperes)			Power Supply		
Indoor Unit	Outdoor Unit	Rated	Voltage range			Outdoor Unit		Indoor Unit	Total	MCA(A)	MFA(A)
		Hz	Volts	Min.	Max.	Cooling	Heating				
AC026MNADKH/EU	AC026MXADKH/EU	50	220 to 240	198	264	10	10	1.6	11.6	11.6	12.8
AC035MNADKH/EU	AC035MXADKH/EU	50	220 to 240	198	264	10	10	1.6	11.6	11.6	12.8
AC052MNADKH/EU	AC052MXADKH/EU	50	220 to 240	198	264	20	20	1.6	21.6	21.6	25
AC071MNADKH/EU	AC071MXADKH/EU	50	220 to 240	198	264	20	20	1.6	21.6	21.6	25

#### NOTE

- MCA : Minimum circuit amperes
- MFA : Maximum fuse amperes
- Select wire size based on the value of MCA

### 3. Capacity Table

#### Wall Mounted Type (A3050)

##### (1) AC026MNADKH/EU + AC026MXADKH/EU

###### Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	2.54	2.17	0.53	2.67	2.24	0.54	2.78	2.31	0.55	2.87	2.38	0.56	2.92	2.36	0.57	3.07	2.33	0.57	3.22	2.29	0.59
21	2.42	2.07	0.56	2.54	2.13	0.57	2.65	2.20	0.58	2.73	2.27	0.59	2.78	2.24	0.60	2.92	2.22	0.60	3.07	2.18	0.62
35	2.30	1.97	0.70	2.42	2.03	0.71	2.52	2.09	0.73	2.60	2.16	0.74	2.65	2.14	0.75	2.78	2.12	0.75	2.92	2.07	0.77
46	1.96	1.82	0.63	2.06	1.88	0.64	2.14	1.94	0.65	2.21	2.00	0.67	2.25	1.98	0.67	2.37	1.96	0.68	2.49	1.92	0.69
50	1.50	1.43	0.56	1.57	1.48	0.57	1.64	1.52	0.58	1.69	1.57	0.59	1.72	1.56	0.60	1.81	1.54	0.60	1.90	1.51	0.62

###### Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB)											
	16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20	2.32	1.33	2.30	1.31	2.28	1.30	2.25	1.29	2.23	1.27	2.21	1.26
-15	2.93	1.53	2.90	1.52	2.87	1.50	2.84	1.49	2.81	1.47	2.79	1.46
-5	3.30	1.43	3.27	1.41	3.23	1.40	3.20	1.39	3.17	1.37	3.14	1.36
0	3.43	1.22	3.40	1.21	3.37	1.20	3.33	1.19	3.30	1.18	3.27	1.16
7	3.37	1.02	3.33	1.01	3.30	1.00	3.27	0.99	3.23	0.98	3.20	0.97
24	4.38	1.17	4.33	1.16	4.29	1.15	4.25	1.14	4.20	1.13	4.16	1.12

###### NOTE

- Capacities are based on following conditions; Refrigerant pipe length : 5m / Level difference : 0m.

# 3. Capacity Table

## Wall Mounted Type (A3050)

(2) AC035MNADKH/EU + AC035MXADKH/EU

### Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	3.41	2.50	0.79	3.59	2.58	0.80	3.74	2.66	0.82	3.86	2.74	0.84	3.94	2.71	0.84	4.13	2.69	0.85	4.34	2.63	0.87
21	3.25	2.38	0.83	3.42	2.46	0.85	3.56	2.53	0.86	3.68	2.61	0.88	3.75	2.58	0.89	3.94	2.56	0.90	4.13	2.51	0.92
35	3.10	2.27	1.04	3.26	2.34	1.06	3.40	2.41	1.08	3.50	2.49	1.10	3.57	2.46	1.11	3.75	2.44	1.12	3.94	2.39	1.14
46	2.63	2.13	0.93	2.77	2.19	0.95	2.89	2.26	0.97	2.98	2.33	0.99	3.03	2.31	1.00	3.19	2.28	1.01	3.35	2.24	1.03
50	2.01	1.68	0.83	2.12	1.73	0.85	2.21	1.79	0.86	2.28	1.84	0.88	2.32	1.82	0.89	2.44	1.81	0.90	2.56	1.77	0.92

### Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB)											
	16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20	2.82	2.12	2.79	2.10	2.76	2.08	2.73	2.06	2.71	2.04	2.68	2.02
-15	3.55	2.45	3.51	2.42	3.48	2.40	3.45	2.38	3.41	2.35	3.38	2.33
-5	4.00	2.29	3.96	2.26	3.92	2.24	3.88	2.22	3.84	2.20	3.80	2.17
0	4.16	1.96	4.12	1.94	4.08	1.92	4.04	1.90	4.00	1.88	3.96	1.86
7	4.08	1.63	4.04	1.62	4.00	1.60	3.96	1.58	3.92	1.57	3.88	1.55
24	5.30	1.88	5.25	1.86	5.20	1.84	5.15	1.82	5.10	1.80	5.05	1.79

### NOTE

- Capacities are based on following conditions; Refrigerant pipe length : 5m / Level difference : 0m.

### 3. Capacity Table

#### Wall Mounted Type (A3050)

(3) AC052MNADKH/EU + AC052MXADKH/EU

##### Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	4.88	3.82	1.57	5.13	3.94	1.61	5.35	4.06	1.64	5.51	4.19	1.67	5.62	4.15	1.69	5.90	4.11	1.71	6.20	4.02	1.74
21	4.64	3.64	1.66	4.89	3.75	1.69	5.09	3.87	1.72	5.25	3.99	1.76	5.36	3.95	1.78	5.62	3.91	1.80	5.90	3.83	1.83
35	4.42	3.47	2.07	4.66	3.58	2.11	4.85	3.69	2.16	5.00	3.80	2.20	5.10	3.76	2.22	5.36	3.72	2.24	5.62	3.65	2.29
46	3.76	3.23	1.86	3.96	3.33	1.90	4.12	3.44	1.94	4.25	3.54	1.98	4.34	3.51	2.00	4.55	3.47	2.02	4.78	3.40	2.06
50	2.88	2.55	1.66	3.03	2.63	1.69	3.15	2.71	1.72	3.25	2.80	1.76	3.32	2.77	1.78	3.48	2.74	1.80	3.65	2.68	1.83

##### Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB)											
	16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20	4.22	2.52	4.18	2.49	4.14	2.47	4.10	2.45	4.06	2.42	4.02	2.40
-15	5.32	2.91	5.27	2.88	5.22	2.85	5.17	2.82	5.12	2.79	5.06	2.77
-5	6.00	2.71	5.94	2.69	5.88	2.66	5.82	2.63	5.76	2.61	5.71	2.58
0	6.24	2.33	6.18	2.30	6.12	2.28	6.06	2.26	6.00	2.23	5.94	2.21
7	6.12	1.94	6.06	1.92	6.00	1.90	5.94	1.88	5.88	1.86	5.82	1.84
24	7.96	2.23	7.88	2.21	7.80	2.19	7.72	2.16	7.64	2.14	7.57	2.12

##### NOTE

- Capacities are based on following conditions; Refrigerant pipe length : 5m / Level difference : 0m.

### 3. Capacity Table

#### Wall Mounted Type (A3050)

##### (4) AC071MNADKH/EU + AC071MXADKH/EU

###### Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	6.92	4.93	1.80	7.29	5.08	1.84	7.59	5.24	1.88	7.83	5.40	1.92	7.98	5.35	1.93	8.38	5.29	1.95	8.80	5.19	1.99
21	6.59	4.69	1.90	6.94	4.84	1.94	7.23	4.99	1.98	7.46	5.14	2.02	7.60	5.09	2.04	7.98	5.04	2.06	8.38	4.94	2.10
35	6.28	4.47	2.37	6.61	4.61	2.42	6.89	4.75	2.47	7.10	4.90	2.52	7.24	4.85	2.55	7.60	4.80	2.57	7.98	4.71	2.62
46	5.34	4.37	2.13	5.62	4.50	2.18	5.85	4.64	2.22	6.04	4.78	2.27	6.16	4.74	2.29	6.46	4.69	2.31	6.79	4.59	2.36
50	4.08	3.50	1.90	4.30	3.60	1.94	4.48	3.72	1.98	4.62	3.83	2.02	4.71	3.79	2.04	4.94	3.75	2.06	5.19	3.68	2.10

###### Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB)											
	16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20	5.63	3.38	5.58	3.35	5.52	3.32	5.46	3.28	5.41	3.25	5.36	3.22
-15	7.10	3.90	7.03	3.86	6.96	3.83	6.89	3.79	6.82	3.75	6.75	3.71
-5	8.00	3.64	7.92	3.61	7.84	3.57	7.76	3.53	7.68	3.50	7.61	3.46
0	8.32	3.12	8.24	3.09	8.16	3.06	8.08	3.03	8.00	3.00	7.92	2.97
7	8.16	2.60	8.08	2.58	8.00	2.55	7.92	2.52	7.84	2.50	7.76	2.47
24	10.61	2.99	10.50	2.96	10.40	2.93	10.30	2.90	10.19	2.87	10.09	2.85

###### NOTE

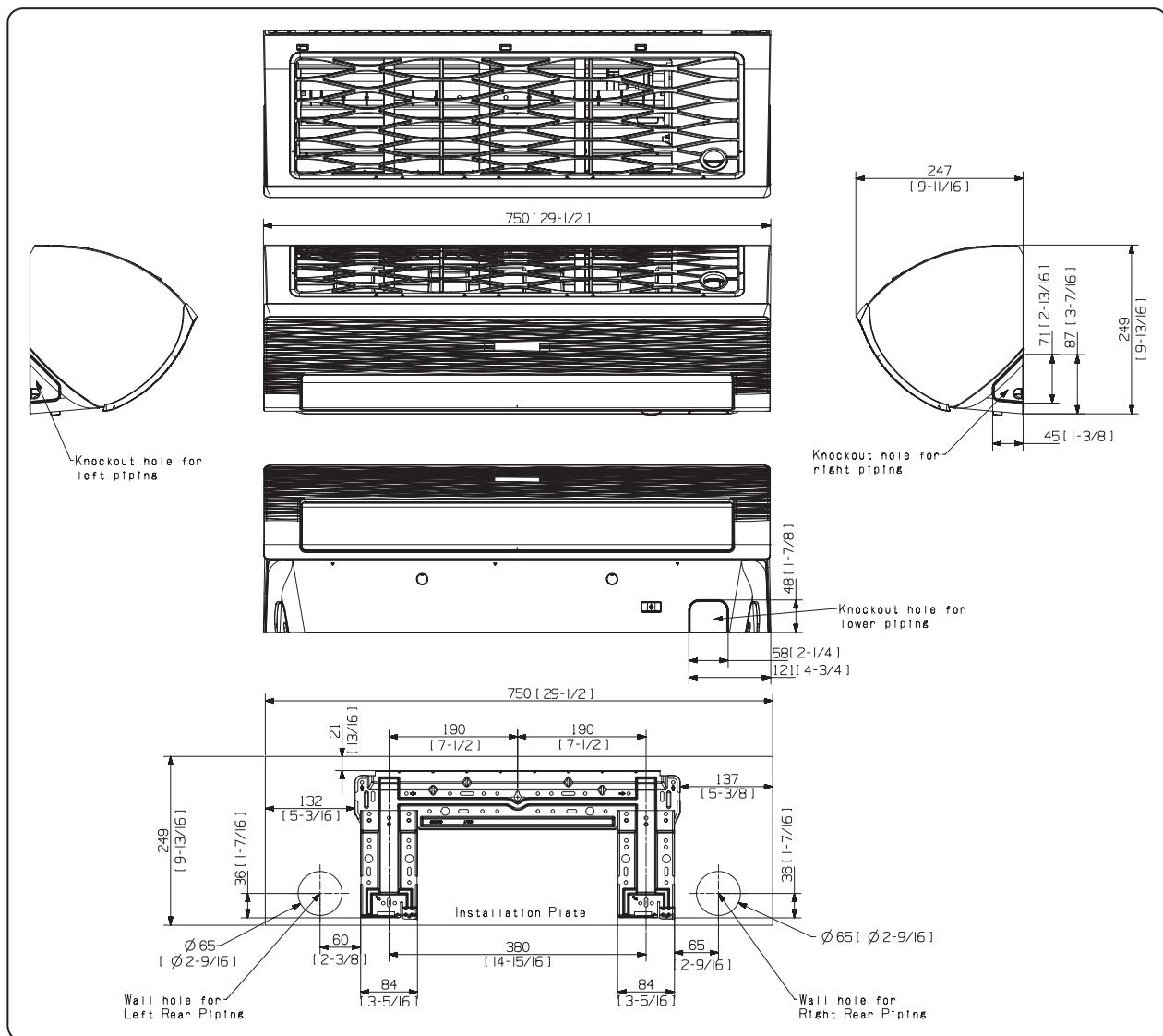
- Capacities are based on following conditions; Refrigerant pipe length : 5m / Level difference : 0m.

# 4. Dimensional Drawing

## Wall Mounted Type (A3050)

AC026/035MNADKH/EU

Units : mm [inches]

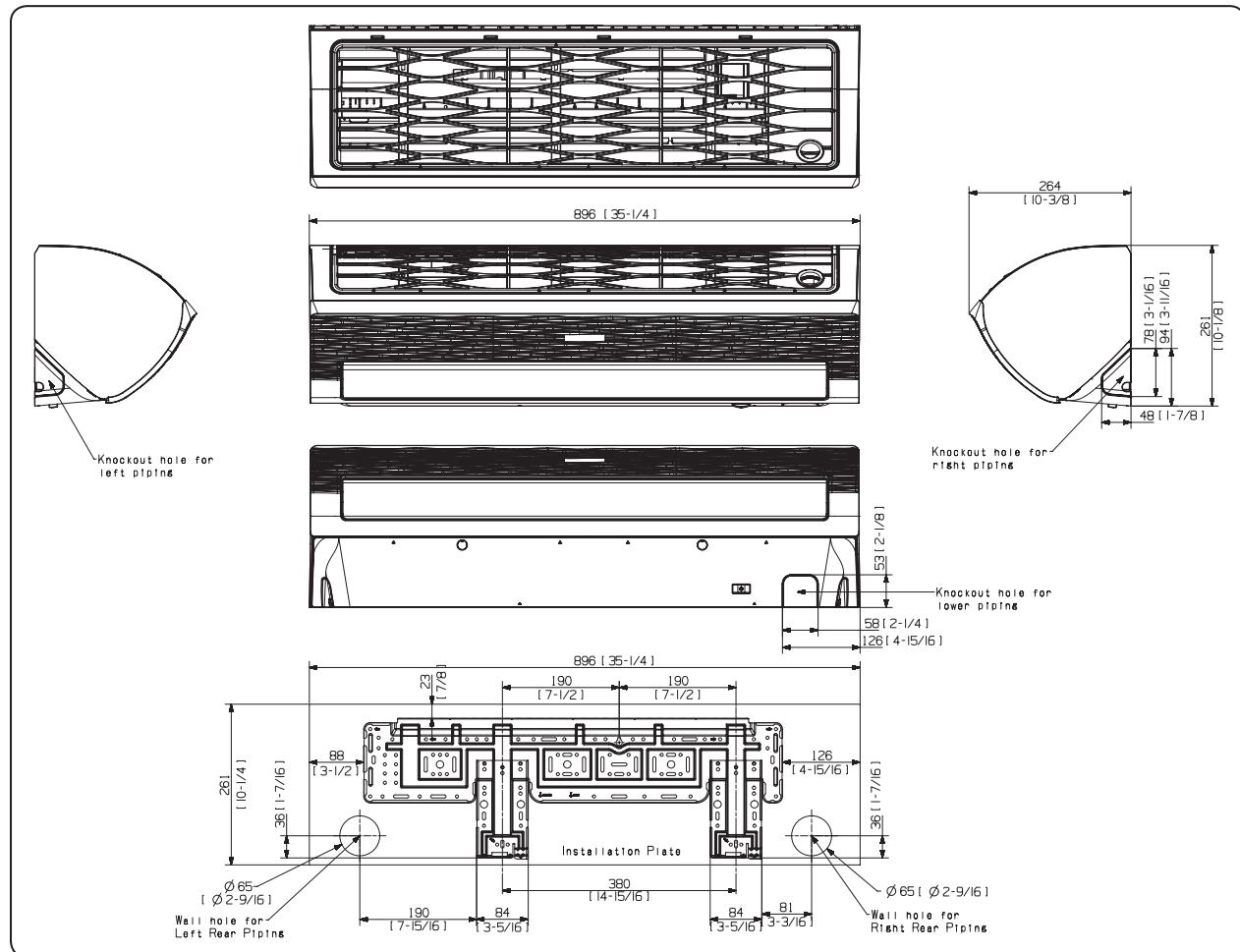


# 4. Dimensional Drawing

## Wall Mounted Type (A3050)

AC052MNADKH/EU

Units : mm [inches]

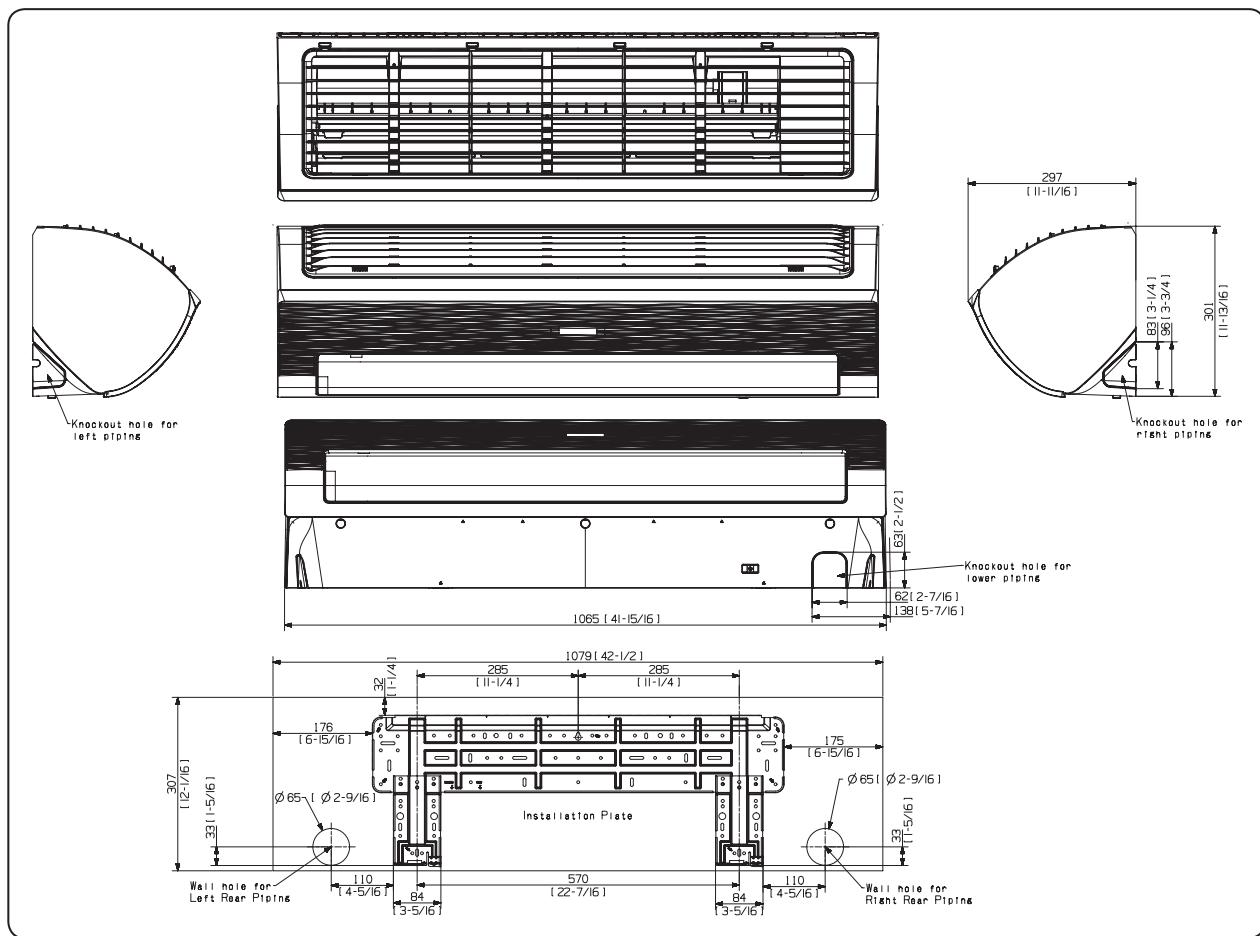


# 4. Dimensional Drawing

## Wall Mounted Type (A3050)

AC071MNADKH/EU

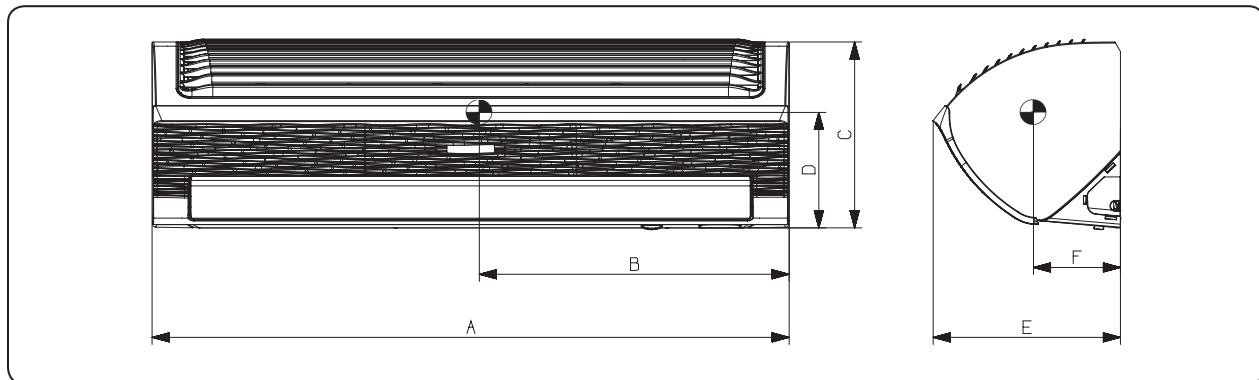
Units : mm [inches]



## 5. Center of Gravity

### Wall Mounted Type (A3050)

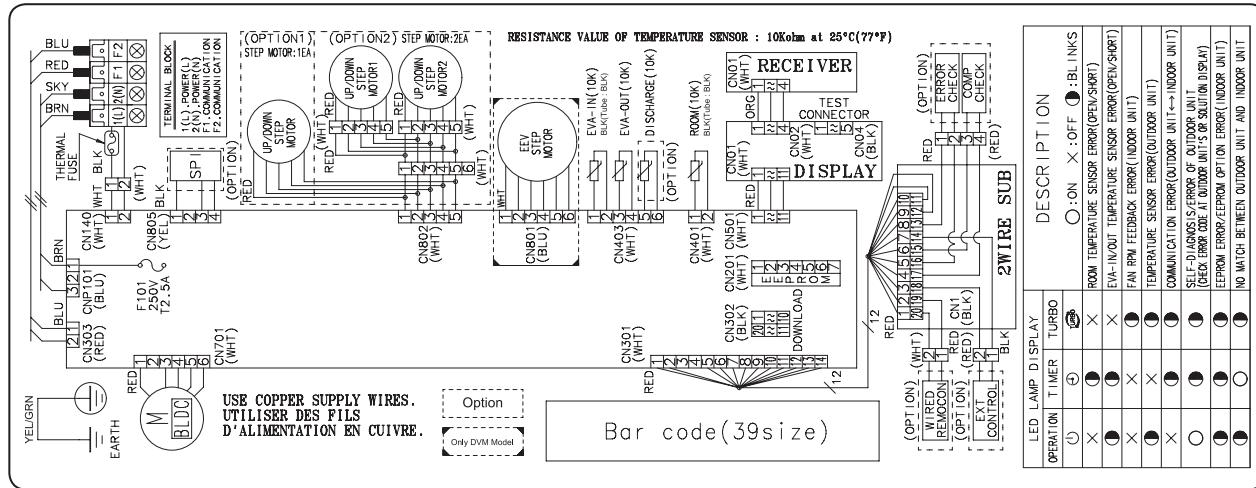
Units : mm [inches]



	A	B	C	D	E	F
~3.5kW	750 [29-1/2]	335 [13-3/16]	249 [9-13/16]	130 [5-1/8]	247 [9-11/16]	105 [4-1/8]
5.2kW	896 [35-1/4]	400 [15-3/4]	261 [10-1/4]	130 [5-1/8]	264 [10-3/8]	105 [4-1/8]
7.1kW	1065 [41-15/16]	470 [18-1/2]	307 [12-1/16]	130 [5-1/8]	297 [11-11/16]	105 [4-1/8]

# 6. Electrical Wiring Diagram

## Wall Mounted Type (A3050)



2 WIRE SUB	Printed Circuit Board(2 WIRE SUB)	SPI	S-Plasma ion	ROOM(10K)	Thermistor ROOM OUT(10K)
M-BLDC	BLDC Motor	EEV STEP MOTOR	Electronic Expansion Valve(STEP MOTOR)	EVA-IN(10K)	Thermistor EVA IN(10K)
		EXT CONTROL	EXTERNAL_CONTROL	EVA-OUT(10K)	Thermistor EVA OUT(10K)
		WIRED REMOCON	Wired Remote Controller	DISCHARGE(10K)	Thermistor DISCHARGE(10K)

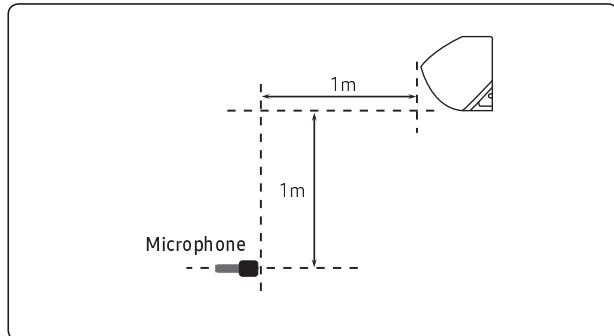
### NOTE

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

# 7. Sound Data

## Wall Mounted Type (A3050)

### Sound Pressure level

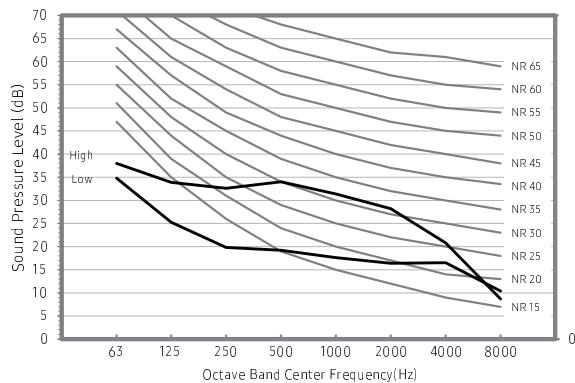


Unit: dB(A)

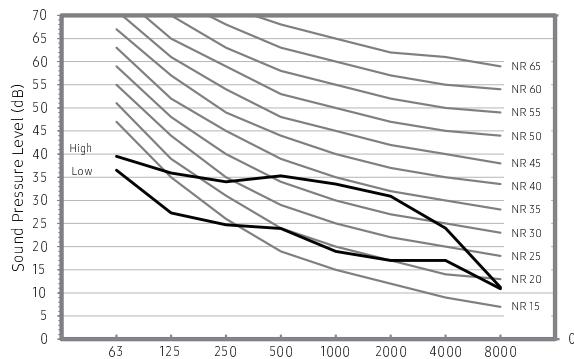
Model	Hi	MID	LOW
AC026MNADKH/EU	36	30	24
AC035MNADKH/EU	38	32	26
AC052MNADKH/EU	42	37	32
AC071MNADKH/EU	43	39	35

- NR Curve

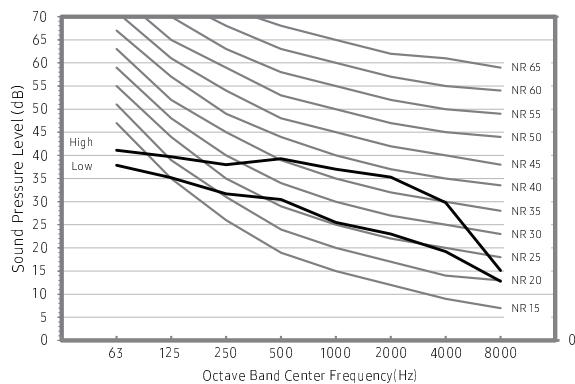
1) AC026MNADKH/EU



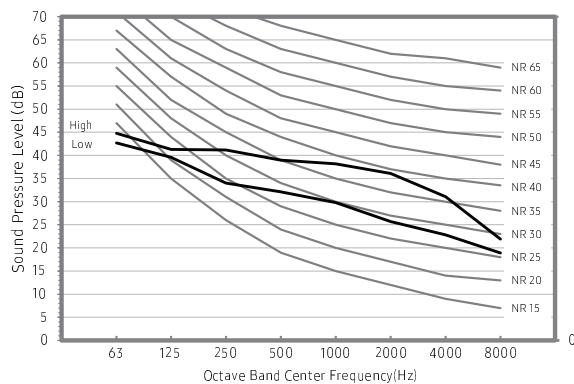
2) AC035MNADKH/EU



3) AC052MNADKH/EU



4) AC071MNADKH/EU



### NOTE

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

# 7. Sound Data

## Wall Mounted Type (A3050)

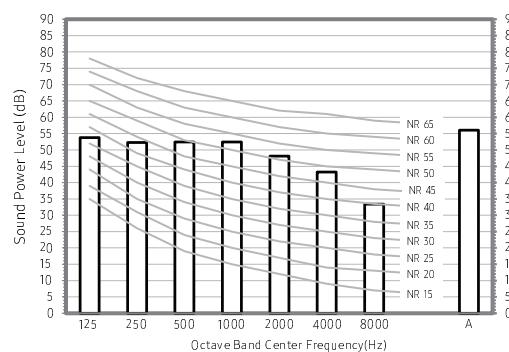
### Sound Power level

#### NOTE

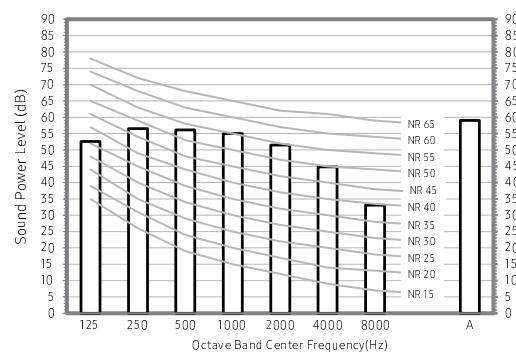
- Specifications may be subject to change without prior notice
  - Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level.
  - Reference power : 1pW.
  - Measured according to ISO 3741.
- NR Curve
  - 1) AC026MNADKH/EU
  - 2) AC035MNADKH/EU
  - 3) AC052MNADKH/EU
  - 4) AC071MNADKH/EU

Unit: dB(A)

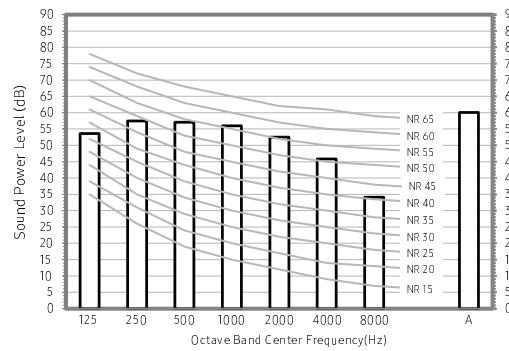
Model	Power
AC026MNADKH/EU	56
AC035MNADKH/EU	59
AC052MNADKH/EU	60
AC071MNADKH/EU	61



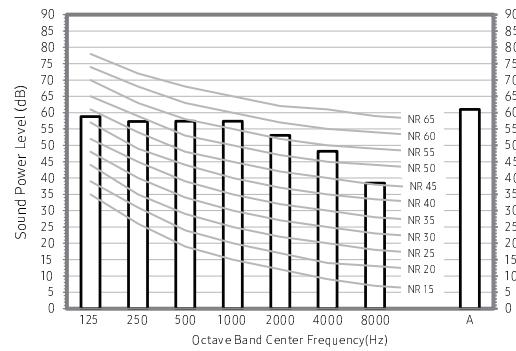
2) AC035MNADKH/EU



3) AC052MNADKH/EU



4) AC071MNADKH/EU



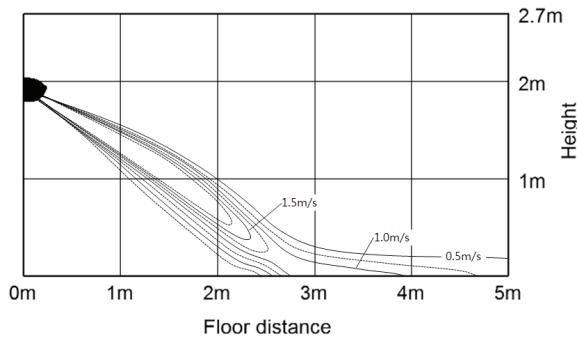
# 8. Temperature and air flow distribution

## Wall Mounted Type (A3050)

AC026MNADKH/EU

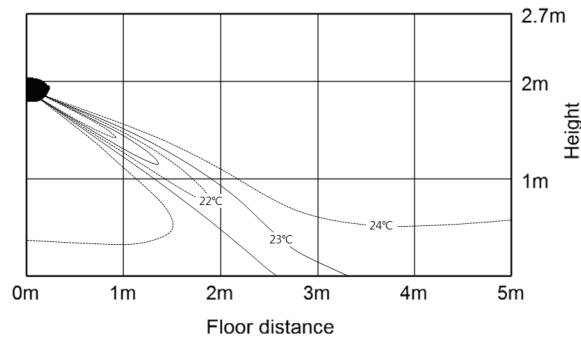
- Cooling Air Velocity distribution

(Discharge angle : 27 degree)



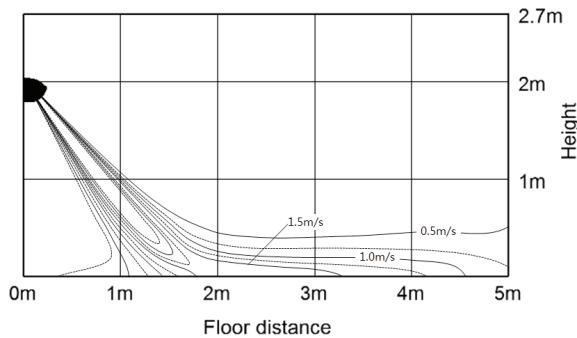
- Cooling temperature distribution

(Discharge angle : 27 degree)



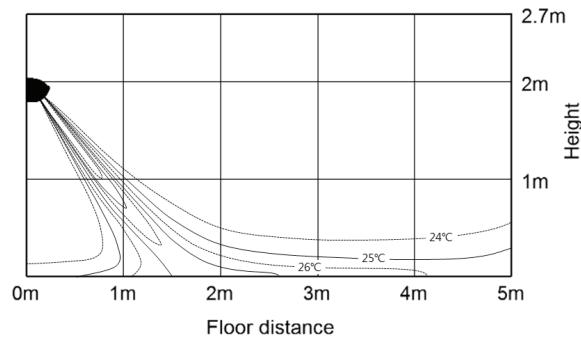
- Heating Air Velocity distribution

(Discharge angle : 53 degree)



- Heating temperature distribution

(Discharge angle : 53 degree)



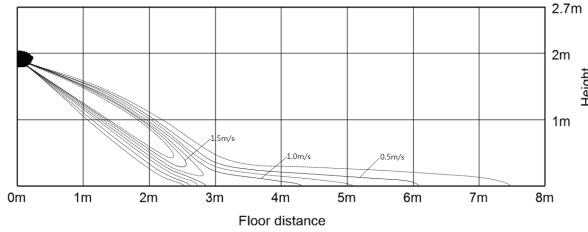
# 8. Temperature and air flow distribution

## Wall Mounted Type (A3050)

### AC035MNADKH/EU

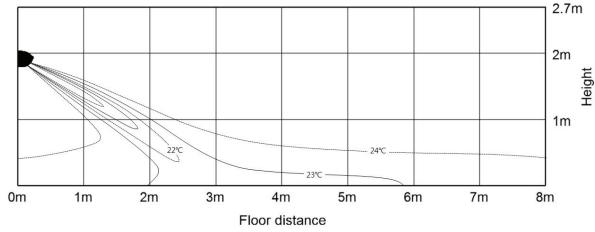
- Cooling Air Velocity distribution

(Discharge angle : 27 degree)



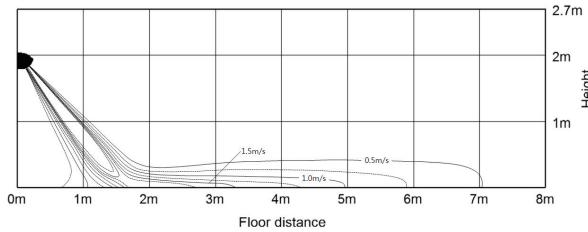
- Cooling temperature distribution

(Discharge angle : 27 degree)



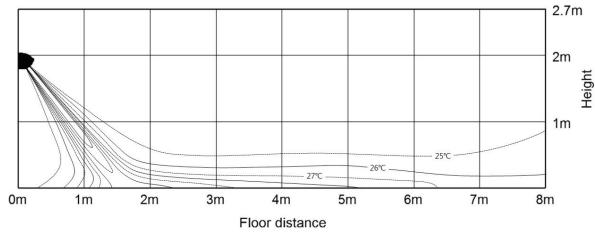
- Heating Air Velocity distribution

(Discharge angle : 53 degree)



- Heating temperature distribution

(Discharge angle : 53 degree)



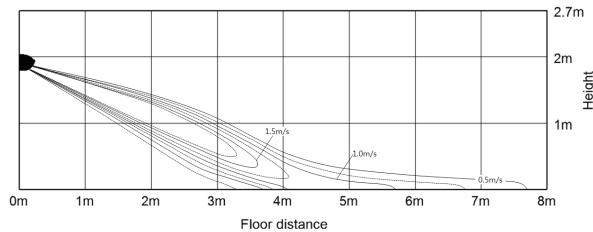
# 8. Temperature and air flow distribution

## Wall Mounted Type (A3050)

### AC052MNADKH/EU

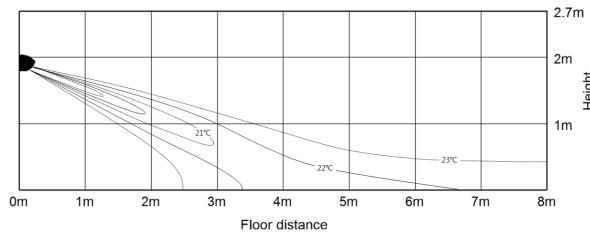
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



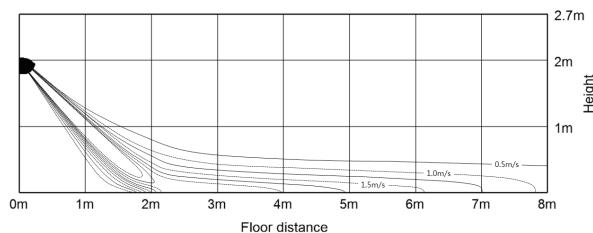
- Cooling temperature distribution

(Discharge angle : 20 degree)



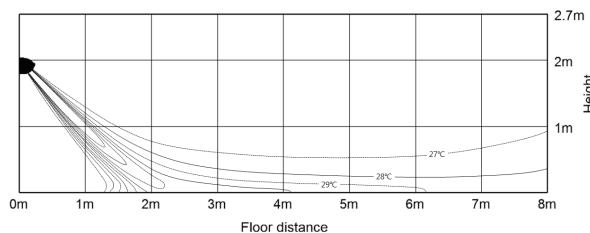
- Heating Air Velocity distribution

(Discharge angle : 46 degree)



- Heating temperature distribution

(Discharge angle : 46 degree)



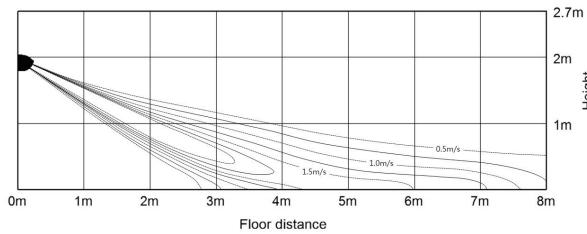
# 8. Temperature and air flow distribution

## Wall Mounted Type (A3050)

AC071MNADKH/EU

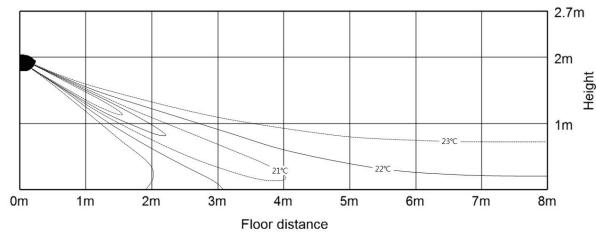
- Cooling Air Velocity distribution

(Discharge angle : 27 degree)



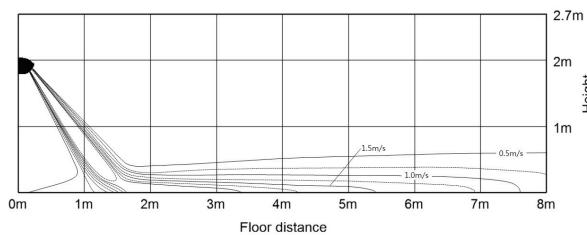
- Cooling temperature distribution

(Discharge angle : 27 degree)



- Heating Air Velocity distribution

(Discharge angle : 53 degree)



- Heating temperature distribution

(Discharge angle : 53 degree)

