Wall Mounted Type (A3050)

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			AC026RNADKG/EU	AC035RNADKG/EU
		Outdoor Unit			AC026RXADKG/EU	AC035RXADKG/EU
	Mode			-	HEAT PUMP	HEAT PUMP
	Performance	Capacity (Min/Std/Max)	Cooling	kW	0.96 / 2.60 / 3.60	1.00 / 3.50 / 3.90
				Btu/h	3,280 / 8,870 / 12,280	3,410 / 11,940 / 13,300
			Heating	kW	1.00 / 3.30 / 4.00	1.10 / 4.00 / 4.70
				Btu/h	3,410 / 11,260 / 13,650	3,750 / 13,650 / 16,040
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.18 / 0.74 / 1.20	0.19 / 1.10 / 1.30
			Heating	kW	0.21 / 1.10 / 1.45	0.23 / 1.55 / 1.80
		Current Input (Min/Std/Max)	Cooling	A	1.4 / 3.7 / 5.5	1.4 / 5.3 / 6.0
			Heating	A	1.3 / 5.1 / 7.0	1.4 / 6.9 / 10.5
		Current	MCA	A	11.6	11.6
			MFA	A	12.8	12.8
	Efficiency	EER	Cooling	-	3.51	3.18
		COP	Heating	-	3.00	2.58
		SEER (Cooling Energy Grade)		-	6.6 (A++)	6.5 (A++)
		SCOP (Heating Energy Grade)		-	4.0 (A+)	4.0 (A+)
		Pdesignh		kW	2.0	2.0
	Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection
				Φ, mm (inch)	6.35 (1/4)	6.35 (1/4)
		Gas Pipe		Type	Flare connection	Flare connection
				Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)
		Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes
		Piping length (ODU-IDU)	Standard	m	5	5
			Max.	m	20	20
			Elevation	m	15	15
			Chargeless	m	20	20
	Wiring connections	Communication	Min.	mm^2	0.75	0.75
			Remark	-	F1, F2	F1, F2
	Refrigerant	Type		-	R32	R32
		Factory Charging		kg	0.9	0.9
				tCO_2e	0.61	0.61

1. Specification

Wall Mounted Type (A3050)

Indoor Unit	Model Name	Indoor Unit			AC026RNADKG/EU	AC035RNADKG/EU
		Outdoor Unit			AC026RXADKG/EU	AC035RXADKG/EU
	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50
	Heat Exchanger	Type		-	F&T	F&T
		Material	Fin	-	Al	Al
			Tube	-	Cu	Cu
		Fin Treatment		-	Green Hydrophile	Green Hydrophile
	Fan	Type		-	Crossflow Fan	Crossflow Fan
		Quantity		EA	1	1
		Air Flow Rate	Cooling (H/M/L)	m³/min	7.7 / 6.2 / 5.0	8.5 / 7.2 / 5.8
				l/s	128.3 / 103.3 / 83.3	141.6 / 120 / 96.6
			Heating (H/M/L)	m³/min	8.5 / 7.2 / 5.8	8.5 / 7.2 / 5.8
				l/s	141.6 / 120 / 96.6	141.6 / 120 / 96.6
	Fan Motor	Type		-	BLDC	BLDC
		Output		W x n	27	27
	Drain	Drain Pipe		Φ, mm	ID18mm Hose	ID18mm Hose
	Sound	Sound Pressure Level	High/Mid/ Low/(Silent)	dB(A)	36 / 30 / 24 / 21	38 / 32 / 26 / 20
		Sound Power Level		dB(A)	56	59
	External Dimension	Net Weight		kg	7.6	7.6
		Shipping Weight		kg	9.0	9.0
		Net Dimensions (WxHxD)		mm	750 x 249 x 246	750 x 249 x 246
		Shipping Dimensions (WxHxD)		mm	800 x 298 x 302	800 x 298 x 302
	Casing	Material		-	ABS	ABS
	Control System	Infrared remote control		-	AR-EH03E (Included)	AR-EH03E (Included)
		Wired remote control		-	MWR-WE13N MWR-WG00*N	MWR-WE13N MWR-WG00*N
	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
		Virus Doctor		-	Included	Included

1. Specification

Wall Mounted Type (A3050)

Outdoor Unit	Model Name	Indoor Unit			AC026RNADKG/EU	AC035RNADKG/EU
		Outdoor Unit			AC026RXADKG/EU	AC035RXADKG/EU
	Power Supply			Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50
	Heat Exchanger	Type		-	Fin & Tube	Fin & Tube
		Material	Fin	-	Al	Al
			Tube	-	Cu	Cu
		Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
	Compressor	Model Name			UB9AK5090FER	UB9AK5090FER
		Type		-	Single BLDC	Single BLDC
		Output		kW	0.86	0.86
		Oil	Type	-	POE	POE
			Initial charge	cc	320	320
	Fan	Type		-	Propeller	Propeller
		Discharge direction		-	Front	Front
		Quantity		EA	1	1
		Air Flow Rate		m^3/min	30	30
				l/s	500	500
	Fan Motor	Type		-	BLDC Motor	BLDC Motor
		Output		W x n	40 x 1	40 x 1
	Sound	Sound Pressure Level	Cooling	dB(A)	46	48
			Heating	dB(A)	47	48
		Sound Power Level		dB(A)	59	61
	External Dimension	Net Weight		kg	32.5	32.5
		Shipping Weight		kg	35.5	35.5
		Net Dimensions (WxHxD)		mm	790 x 548 x 285	790 x 548 x 285
		Shipping Dimensions (WxHxD)		mm	913 x 622 x 371	913 x 622 x 371
	Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate
	Operating Temp. Range	Cooling		℃	-15 ~ 46	-15 ~ 46
		Heating		℃	-20 ~ 24	-20 ~ 24

NOTE

- Specification may be subject to change without prior notice.
  1) Performances are based on the following test conditions.
     - 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
     - Equivalent refrigerant pipe length 5m, Level differences 0m
  2) Select wire size based on the value of MCA
  3) 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 = 20uPa
  4) 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
  5) These products contain R32(GWP=675) which is fluorinated greenhouse gas.
  6) 'MWR-WG00*N' is new wired remote control type(Graphic).
     If you need the latest control system information, please refer to SAC control TDB.

1. Specification

Wall Mounted Type (A3050)

System	Model Name	Indoor Unit			AC052RNADKG/EU	AC071RNADKG/EU
		Outdoor Unit			AC052RXADKG/EU	AC071RXADKG/EU
	Mode			-	HEAT PUMP	HEAT PUMP
	Performance	Capacity (Min/Std/Max)	Cooling	kW	1.30 / 5.00 / 6.50	1.50 / 7.10 / 8.70
				Btu/h	4,430 / 17,060 / 22,180	5,120 / 24,230 / 29,690
			Heating	kW	1.50 / 6.00 / 6.25	1.90 / 8.00 / 9.00
				Btu/h	5,120 / 20,470 / 21,320	6,480 / 27,300 / 30,710
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.40 / 2.20 / 2.30	0.35 / 2.35 / 3.60
			Heating	kW	0.34 / 2.15 / 3.15	0.35 / 2.45 / 3.95
		Current Input (Min/Std/Max)	Cooling	A	2.6 / 9.6 / 10.1	2.0 / 10.3 / 16.0
			Heating	A	2.3 / 9.4 / 14.0	2.0 / 10.7 / 17.0
		Current	MCA	A	18.1	18.1
			MFA	A	20.6	20.6
	Efficiency	EER	Cooling	-	2.27	3.02
		COP	Heating	-	2.79	3.27
		SEER (Cooling Energy Grade)		-	6.2 (A++)	6.4 (A++)
		SCOP (Heating Energy Grade)		-	3.9 (A)	4.0 (A+)
		Pdesignh		kW	2.4	3.6
	Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection
				Φ, mm (inch)	6.35 (1/4)	6.35 (1/4)
		Gas Pipe		Type	Flare connection	Flare connection
				Φ, mm (inch)	12.7 (1/2)	15.88 (5/8)
		Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes
		Piping length (ODU-IDU)	Standard	m	5	5
			Max.	m	30	50
			Elevation	m	20	30
			Chargeless	m	10	15
	Wiring connections	Communication	Min.	mm^2	0.75	0.75
			Remark	-	F1, F2	F1, F2
	Refrigerant	Type		-	R32	R32
		Factory Charging		kg	1.2	1.7
				tCO_2e	0.81	1.15

1. Specification

Wall Mounted Type (A3050)

Indoor Unit	Model Name	Indoor Unit			AC052RNADKG/EU	AC071RNADKG/EU
		Outdoor Unit			AC052RXADKG/EU	AC071RXADKG/EU
	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50
	Heat Exchanger	Type		-	F&T	F&T
		Material	Fin	-	Al	Al
			Tube	-	Cu	Cu
		Fin Treatment		-	Green Hydrophile	Green Hydrophile
	Fan	Type		-	Crossflow Fan	Crossflow Fan
		Quantity		EA	1	1
		Air Flow Rate	Cooling (H/M/L)	m^3/min	10.7 / 9.0 / 7.2	17.1 / 14.5 / 12.4
				l/s	178.3 / 150 / 120	285 / 241.6 / 206.6
			Heating (H/M/L)	m^3/min	10.7 / 9.0 / 7.2	17.1 / 14.5 / 12.4
				l/s	178.3 / 150 / 120	285 / 241.6 / 206.6
	Fan Motor	Type		-	BLDC	BLDC
		Output		W x n	27	27
	Drain	Drain Pipe		Φ, mm	ID18mm Hose	ID18mm Hose
	Sound	Sound Pressure Level	High/Mid/ Low/(Silent)	dB(A)	42 / 37 / 32 / 25	43 / 39 / 35 / 30
		Sound Power Level		dB(A)	60	61
	External Dimension	Net Weight		kg	10.8	14.4
		Shipping Weight		kg	12.6	16.8
		Net Dimensions (WxHxD)		mm	896 x 261 x 261	1,065 x 294 x 301
		Shipping Dimensions (WxHxD)		mm	956 x 317 x 335	1,123 x 354 x 384
	Casing	Material		-	ABS	ABS
	Control System	Infrared remote control		-	AR-EH03E (Included)	AR-EH03E (Included)
		Wired remote control		-	MWR-WE13N MWR-WG00*N	MWR-WE13N MWR-WG00*N
	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
		Virus Doctor		-	Included	Included

1. Specification

Wall Mounted Type (A3050)

Outdoor Unit	Model Name	Indoor Unit			AC052RNADKG/EU	AC071RNADKG/EU
		Outdoor Unit			AC052RXADKG/EU	AC071RXADKG/EU
	Power Supply			Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50
	Heat Exchanger	Type		-	Fin & Tube	Fin & Tube
		Material	Fin	-	Al	Al
			Tube	-	Cu	Cu
		Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
	Compressor	Model Name			UB9TK3150FE4	UB4TN8200FE4
		Type		-	Twin BLDC	Twin BLDC
		Output		kW	1.51	1.89
		Oil	Type	-	POE	POE
			Initial charge	cc	500	650
	Fan	Type		-	Propeller	Propeller
		Discharge direction		-	Front	Front
		Quantity		EA	1	1
		Air Flow Rate		m^3/min	40	51
				l/s	667	850
	Fan Motor	Type		-	BLDC Motor	BLDC Motor
		Output		W x n	125 x 1	125 x 1
	Sound	Sound Pressure Level	Cooling	dB(A)	48	49
			Heating	dB(A)	48	51
		Sound Power Level		dB(A)	62	65
	External Dimension	Net Weight		kg	43.5	51.5
		Shipping Weight		kg	46.5	55.0
		Net Dimensions (WxHxD)		mm	880 x 638 x 310	880 x 798 x 310
		Shipping Dimensions (WxHxD)		mm	1,023 x 742 x 413	1,023 x 896 x 413
	Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate
	Operating Temp. Range	Cooling		℃	-15 ~ 50	-15 ~ 50
		Heating		℃	-20 ~ 24	-20 ~ 24

NOTE

- Specification may be subject to change without prior notice.
  1) Performances are based on the following test conditions.
     - 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
     - Equivalent refrigerant pipe length 5m, Level differences 0m
  2) Select wire size based on the value of MCA
  3) 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 = 20uPa
  4) 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
  5) These products contain R32(GWP=675) which is fluorinated greenhouse gas.
  6) 'MWR-WG00*N' is new wired remote control type(Graphic).
     If you need the latest control system information, please refer to SAC control TDB.

2. Summary Table

Wall Mounted Type (A3050)

Performance Characteristics

Model Code	Net Weight (kg)		Capacity		Fan Speed	Airflow (CMM)	Sound Pressure Level (dBA)	Sound Power Level (dBA)
			Cooling (kW)	Heating (kW)				
AC026RNADKG/EU	7.6	Max.	3.60	4.00	High	7.7	36	56
		Std.	2.60	3.30	Mid	6.2	30	
		Min.	0.96	1.00	Low	5.0	24	
AC035RNADKG/EU	7.6	Max.	3.90	4.70	High	8.5	38	59
		Std.	3.50	4.00	Mid	7.2	32	
		Min.	1.00	1.10	Low	5.8	26	
AC052RNADKG/EU	10.8	Max.	6.50	6.25	High	10.7	42	60
		Std.	5.00	6.00	Mid	9.0	37	
		Min.	1.30	1.50	Low	7.2	32	
AC071RNADKG/EU	14.4	Max.	8.70	9.00	High	17.1	43	61
		Std.	7.10	8.00	Mid	14.5	39	
		Min.	1.50	1.90	Low	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				
AC026RNADKG/EU	AC026RXADKG/EU	50	220 to 240	198	264	10	10	1.6	11.6	11.6	12.8
AC035RNADKG/EU	AC035RXADKG/EU	50	220 to 240	198	264	10	10	1.6	11.6	11.6	12.8
AC052RNADKG/EU	AC052RXADKG/EU	50	220 to 240	198	264	16.5	16.5	1.6	18.1	18.1	20.6
AC071RNADKG/EU	AC071RXADKG/EU	50	220 to 240	198	264	16.5	16.5	1.6	18.1	18.1	20.6

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) AC026RNADKG/EU+AC026RXADKG/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	2.5	1.9	0.53	2.7	2.0	0.54	2.8	2.0	0.55	2.9	2.1	0.56	2.9	2.1	0.57	3.1	2.1	0.57	3.2	2.0	0.59
21	2.4	1.8	0.56	2.5	1.9	0.57	2.6	1.9	0.58	2.7	2.0	0.59	2.8	2.0	0.60	2.9	2.0	0.60	3.1	1.9	0.62
35	2.3	1.7	0.70	2.4	1.8	0.71	2.5	1.8	0.73	2.6	1.9	0.74	2.7	1.9	0.75	2.8	1.9	0.75	2.9	1.8	0.77
46	2.0	1.6	0.63	2.1	1.7	0.64	2.1	1.7	0.65	2.2	1.8	0.67	2.3	1.8	0.67	2.4	1.7	0.68	2.5	1.7	0.69

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	2.3	1.46	2.3	1.44	2.3	1.43	2.3	1.42	2.2	1.40	2.2	1.39
-15	2.9	1.68	2.9	1.67	2.9	1.65	2.8	1.63	2.8	1.62	2.8	1.60
-5	3.3	1.57	3.3	1.56	3.2	1.54	3.2	1.52	3.2	1.51	3.1	1.49
0	3.4	1.35	3.4	1.33	3.4	1.32	3.3	1.31	3.3	1.29	3.3	1.28
7	3.4	1.12	3.3	1.11	3.3	1.10	3.3	1.09	3.2	1.08	3.2	1.07
24	4.4	1.29	4.3	1.28	4.3	1.27	4.2	1.25	4.2	1.24	4.2	1.23

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

Wall Mounted Type (A3050)

(2) AC035RNADKG/EU+AC035RXADKG/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	3.4	2.4	0.79	3.6	2.5	0.80	3.7	2.6	0.82	3.9	2.6	0.84	3.9	2.6	0.84	4.1	2.6	0.85	4.3	2.5	0.87
21	3.3	2.3	0.83	3.4	2.4	0.85	3.6	2.4	0.86	3.7	2.5	0.88	3.7	2.5	0.89	3.9	2.5	0.90	4.1	2.4	0.92
35	3.1	2.2	1.04	3.3	2.3	1.06	3.4	2.3	1.08	3.5	2.4	1.10	3.6	2.4	1.11	3.7	2.4	1.12	3.9	2.3	1.14
46	2.6	2.1	0.93	2.8	2.1	0.95	2.9	2.2	0.97	3.0	2.3	0.99	3.0	2.2	1.00	3.2	2.2	1.01	3.3	2.2	1.03
50	2.0	1.6	0.83	2.1	1.7	0.85	2.2	1.7	0.86	2.3	1.8	0.88	2.3	1.8	0.89	2.4	1.8	0.90	2.6	1.7	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	2.8	2.06	2.8	2.04	2.8	2.02	2.7	1.99	2.7	1.97	2.7	1.96
-15	3.5	2.37	3.5	2.35	3.5	2.33	3.4	2.30	3.4	2.28	3.4	2.26
-5	4.0	2.21	4.0	2.19	3.9	2.17	3.9	2.15	3.8	2.13	3.8	2.11
0	4.2	1.90	4.1	1.88	4.1	1.86	4.0	1.84	4.0	1.82	4.0	1.80
7	4.1	1.58	4.0	1.57	4.0	1.55	4.0	1.53	3.9	1.52	3.9	1.50
24	5.3	1.82	5.3	1.80	5.2	1.78	5.1	1.76	5.1	1.75	5.0	1.73

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

Wall Mounted Type (A3050)

(3) AC052RNADKG/EU+AC052RXADKG/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	4.9	3.4	1.57	5.1	3.5	1.61	5.3	3.6	1.64	5.5	3.7	1.67	5.6	3.7	1.69	5.9	3.7	1.71	6.2	3.6	1.74
21	4.6	3.3	1.66	4.9	3.4	1.69	5.1	3.5	1.72	5.3	3.6	1.76	5.4	3.5	1.78	5.6	3.5	1.80	5.9	3.4	1.83
35	4.4	3.1	2.07	4.7	3.2	2.11	4.9	3.3	2.16	5.0	3.4	2.20	5.1	3.4	2.22	5.4	3.3	2.24	5.6	3.3	2.29
46	3.8	2.9	1.86	4.0	3.0	1.90	4.1	3.1	1.94	4.3	3.2	1.98	4.3	3.2	2.00	4.6	3.1	2.02	4.8	3.1	2.06
50	2.9	2.3	1.66	3.0	2.4	1.69	3.2	2.5	1.72	3.3	2.5	1.76	3.3	2.5	1.78	3.5	2.5	1.80	3.7	2.4	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	4.2	2.85	4.2	2.82	4.1	2.80	4.1	2.77	4.1	2.74	4.0	2.71
-15	5.3	3.29	5.3	3.26	5.2	3.23	5.2	3.19	5.1	3.16	5.1	3.13
-5	6.0	3.07	5.9	3.04	5.9	3.01	5.8	2.98	5.8	2.95	5.7	2.92
0	6.2	2.63	6.2	2.61	6.1	2.58	6.1	2.55	6.0	2.53	5.9	2.50
7	6.1	2.19	6.1	2.17	6.0	2.15	5.9	2.13	5.9	2.11	5.8	2.09
24	8.0	2.52	7.9	2.50	7.8	2.47	7.7	2.45	7.6	2.42	7.6	2.40

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

Wall Mounted Type (A3050)

(4) AC071RNADKG/EU+AC071RXADKG/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	6.9	5.1	1.68	7.3	5.3	1.72	7.6	5.5	1.75	7.8	5.6	1.79	8.0	5.6	1.80	8.4	5.5	1.82	8.8	5.4	1.86
21	6.6	4.9	1.77	6.9	5.0	1.81	7.2	5.2	1.84	7.5	5.4	1.88	7.6	5.3	1.90	8.0	5.2	1.92	8.4	5.1	1.96
35	6.3	4.7	2.21	6.6	4.8	2.26	6.9	4.9	2.30	7.1	5.1	2.35	7.2	5.0	2.37	7.6	5.0	2.40	8.0	4.9	2.44
46	5.3	4.5	1.99	5.6	4.7	2.03	5.9	4.8	2.07	6.0	5.0	2.12	6.2	4.9	2.14	6.5	4.9	2.16	6.8	4.8	2.20
50	4.1	3.6	1.77	4.3	3.7	1.81	4.5	3.8	1.84	4.6	4.0	1.88	4.7	3.9	1.90	4.9	3.9	1.92	5.2	3.8	1.96

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	5.6	3.25	5.6	3.22	5.5	3.19	5.5	3.15	5.4	3.12	5.4	3.09
-15	7.1	3.75	7.0	3.71	7.0	3.68	6.9	3.64	6.8	3.60	6.8	3.57
-5	8.0	3.50	7.9	3.46	7.8	3.43	7.8	3.40	7.7	3.36	7.6	3.33
0	8.3	3.00	8.2	2.97	8.2	2.94	8.1	2.91	8.0	2.88	7.9	2.85
7	8.2	2.50	8.1	2.47	8.0	2.45	7.9	2.43	7.8	2.40	7.8	2.38
24	10.6	2.87	10.5	2.85	10.4	2.82	10.3	2.79	10.2	2.76	10.1	2.73

NOTE

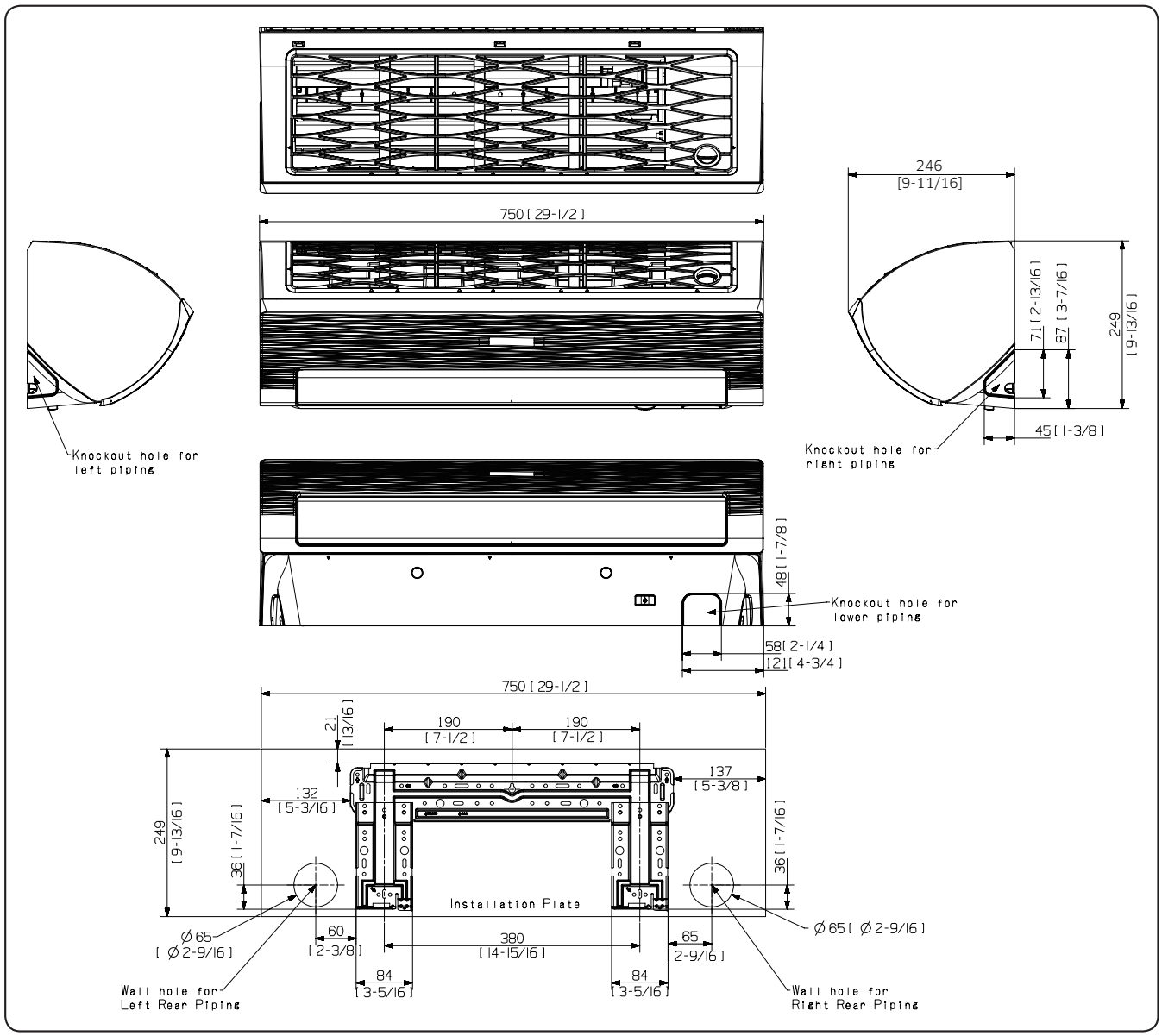
- The performance table shows the average value of each conditions.

4. Dimensional Drawing

Wall Mounted Type (A3050)

AC026/035RNADKG/EU

Units : mm [inches]

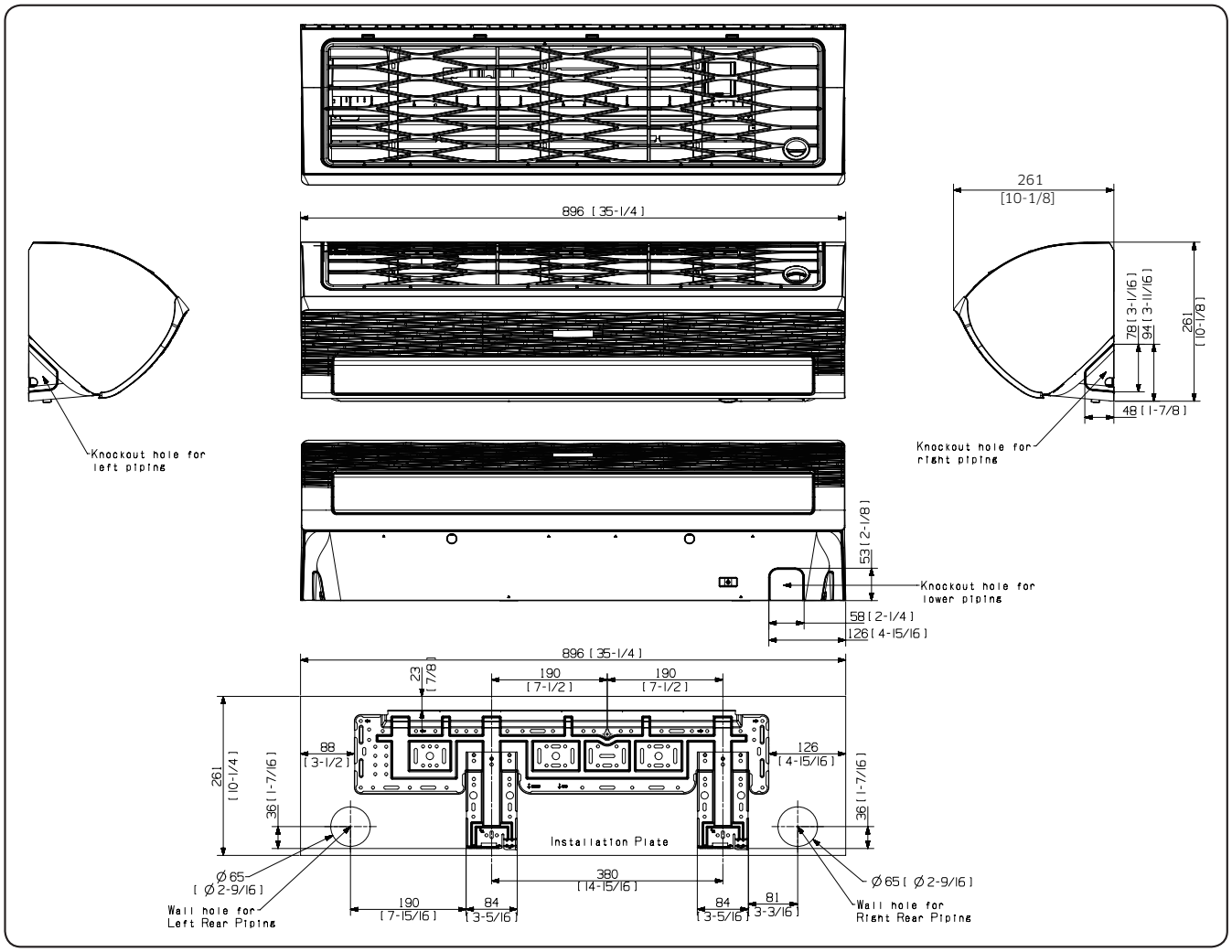


4. Dimensional Drawing

Wall Mounted Type (A3050)

AC052RNADKG/EU

Units : mm [inches]

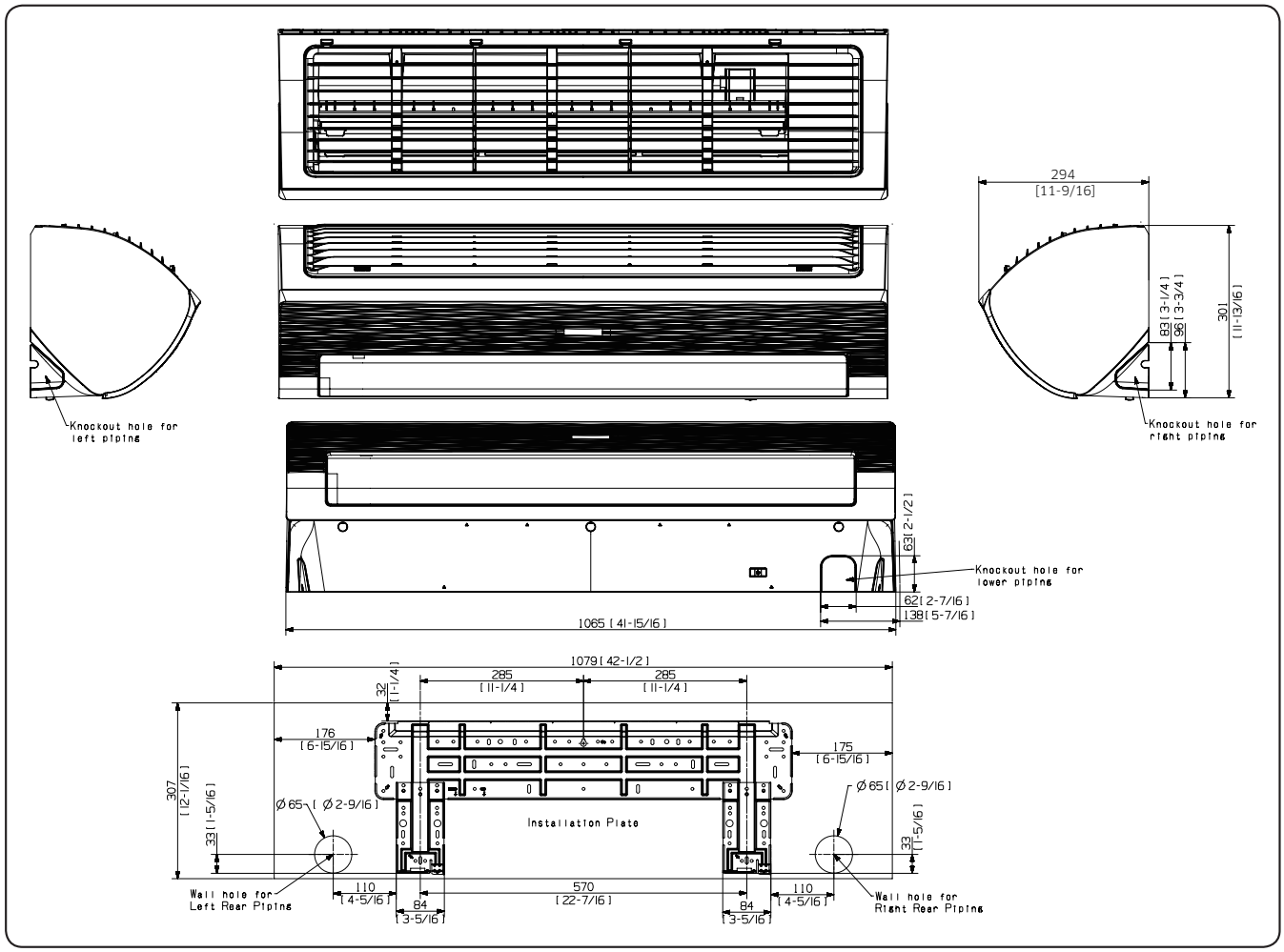


4. Dimensional Drawing

Wall Mounted Type (A3050)

AC071RNADKG/EU

Units : mm [inches]

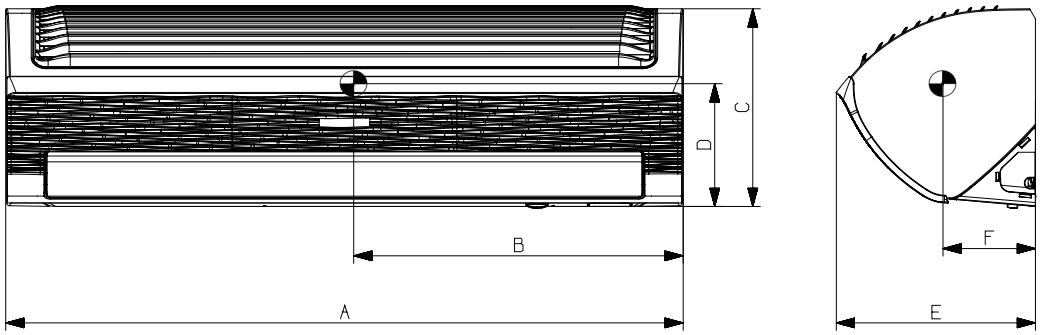


5. Center of Gravity

Wall Mounted Type (A3050)

AC026/035/052/071RNADKG/EU

Units : mm [inches]

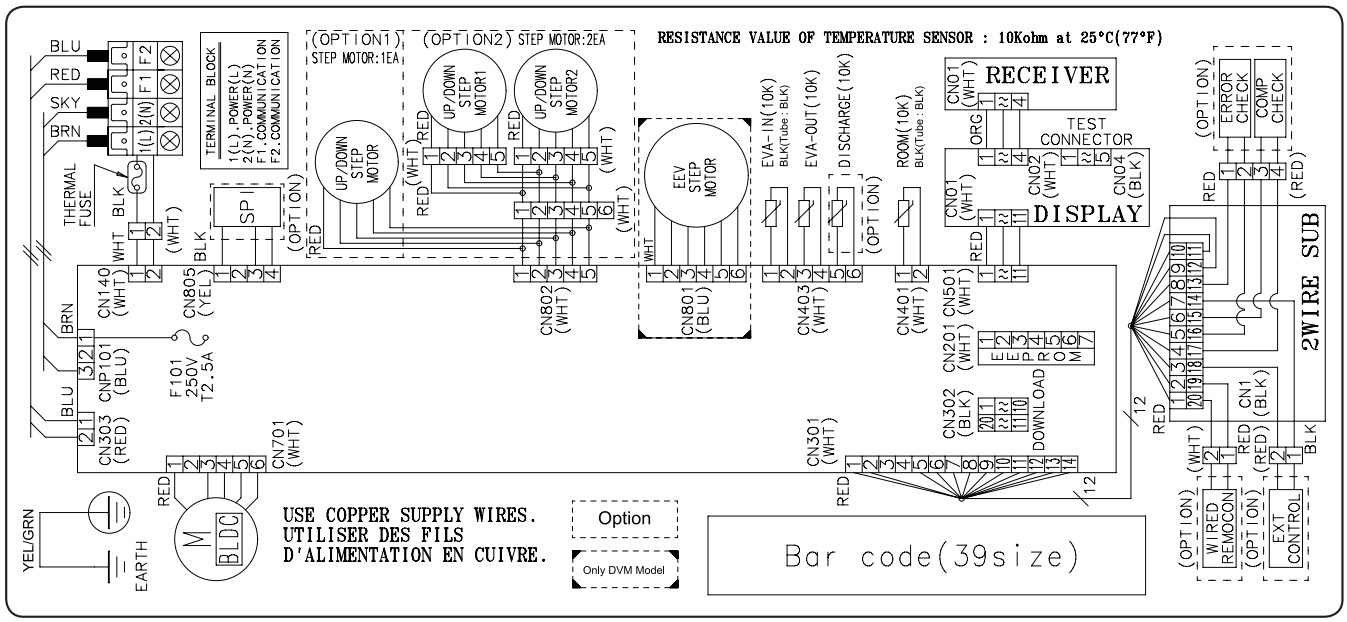


	A	B	C	D	E	F
~3.5kW	750 [29-1/2]	335 [13-3/16]	249 [9-13/16]	130 [5-1/8]	246 [9-11/16]	105 [4-1/8]
5.2kW	896 [35-1/4]	400 [15-3/4]	261 [10-1/4]	130 [5-1/8]	261 [10-1/8]	105 [4-1/8]
7.1kW	1065 [41-15/16]	470 [18-1/2]	307 [12-1/16]	130 [5-1/8]	300 [11-9/16]	105 [4-1/8]

6. Electrical Wiring Diagram

Wall Mounted Type (A3050)

AC026/035/052/071RNADKG/EU



SPI	S-Plasma ion	EEV	Electronic Expansion Valve	ROOM	Thermistor ROOM in (10K)
M-BLDC	BLDC Motor	EVA-IN	Thermistor EVA IN(10K)	EVA-OUT	Thermistor EVA OUT(10K)

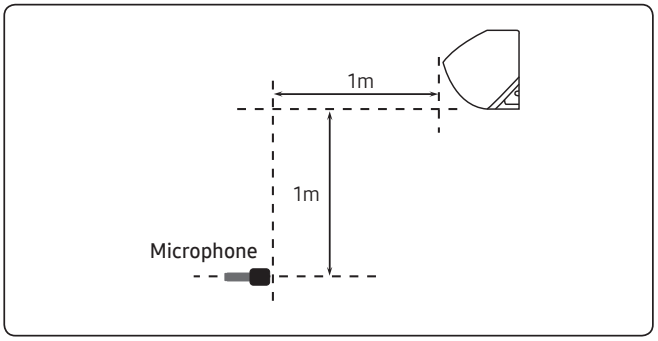
NOTE

- 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)

7. Sound Data

Wall Mounted Type (A3050)

Sound Pressure level

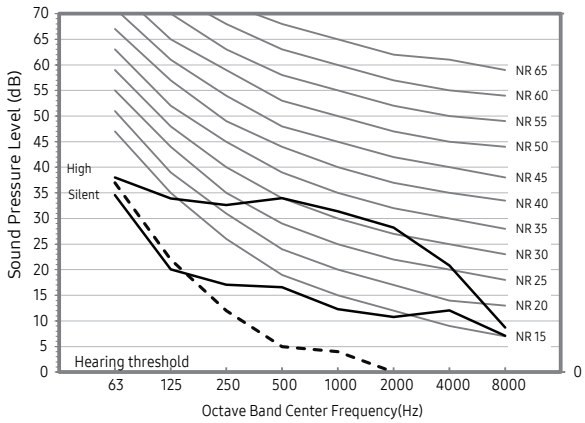


Unit: dB(A)

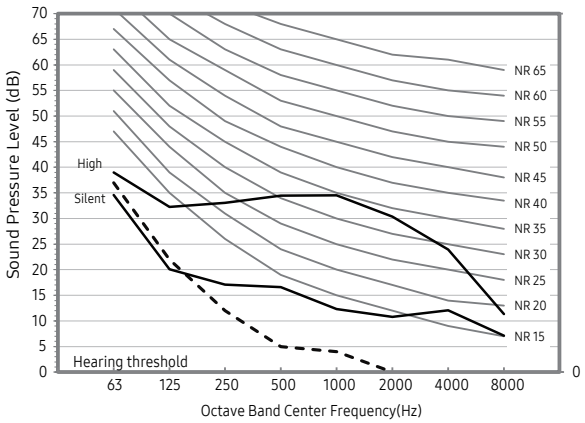
Model	HIGH	MID	LOW	Silence
AC026RNADKG/EU	36	30	24	21
AC035RNADKG/EU	38	32	26	20
AC052RNADKG/EU	42	37	32	25
AC071RNADKG/EU	43	40	35	30

- NR Curve

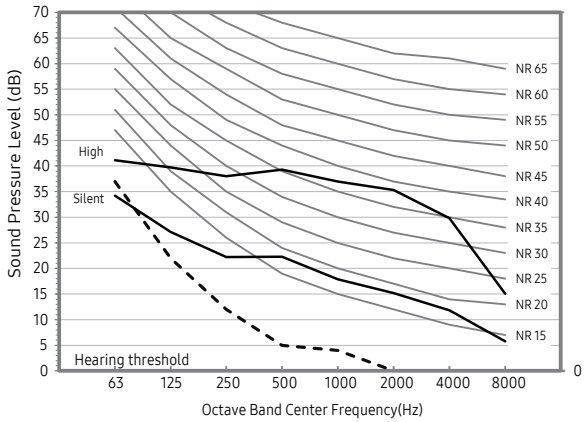
1) AC026RNADKG/EU



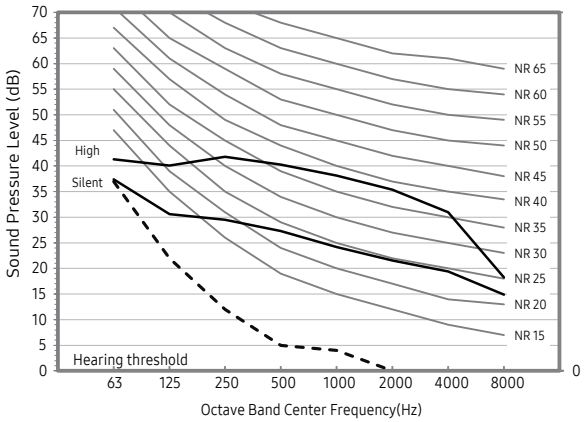
2) AC035RNADKG/EU



3) AC052RNADKG/EU



4) AC071RNADKG/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

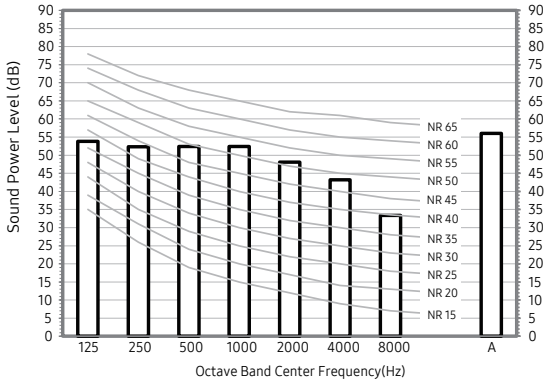
- Specifications may be subject to change without prior notice
  - Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level.
  - Reference power : 1pW.
  - Measured according to ISO 3741.

Unit: dB(A)

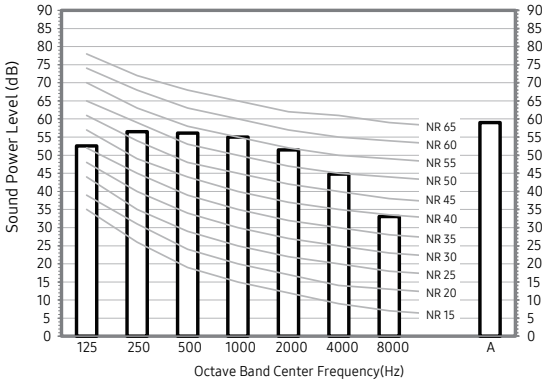
Model	Power
AC026RNADKG/EU	56
AC035RNADKG/EU	59
AC052RNADKG/EU	60
AC071RNADKG/EU	61

- NR Curve

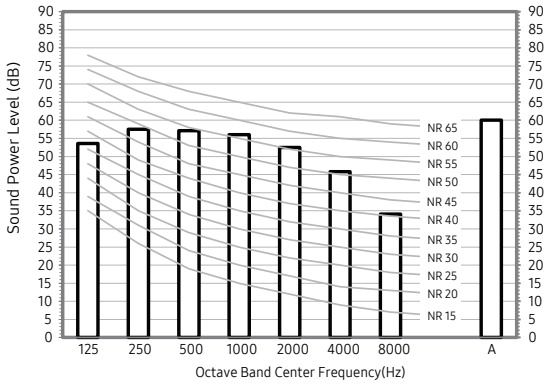
1) AC026RNADKG/EU



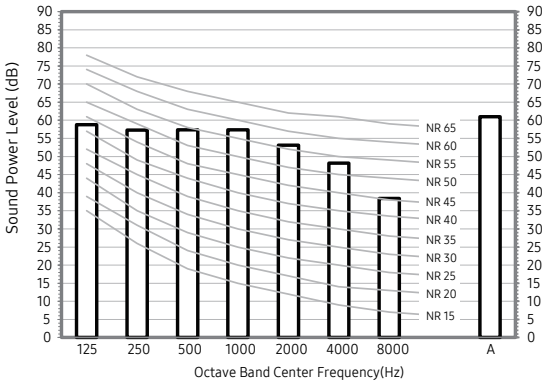
2) AC035RNADKG/EU



3) AC052RNADKG/EU



4) AC071RNADKG/EU



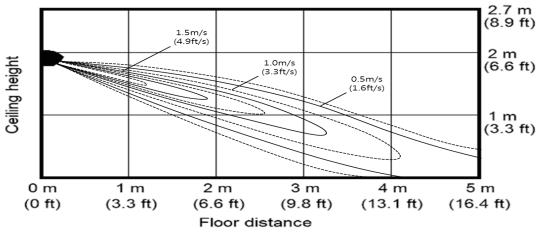
8. Temperature and air flow distribution

Wall Mounted Type (A3050)

AC026RNADKG/EU

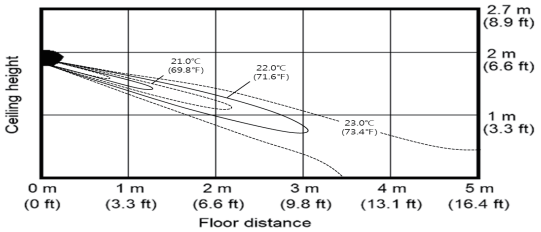
- Cooling Air Velocity distribution

  (Discharge angle : 23 degree)



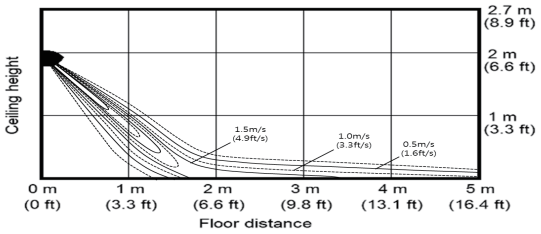
- Cooling temperature distribution

  (Discharge angle : 23 degree)



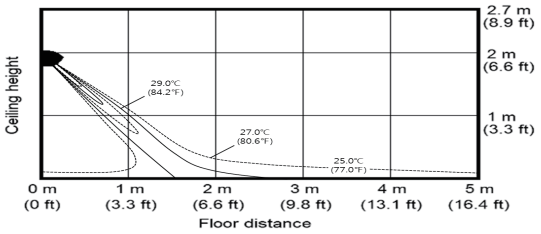
- Heating Air Velocity distribution

  (Discharge angle : 53 degree)



- Heating temperature distribution

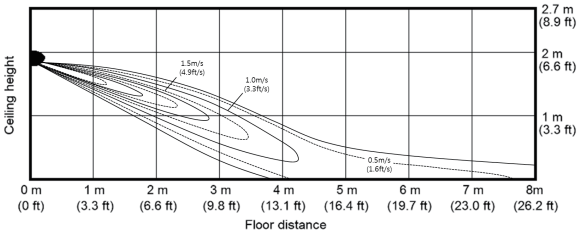
  (Discharge angle : 53 degree)



AC035RNADKG/EU

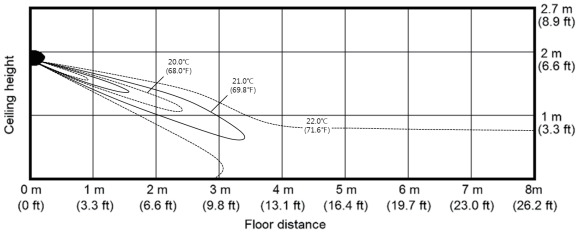
- Cooling Air Velocity distribution

  (Discharge angle : 23 degree)



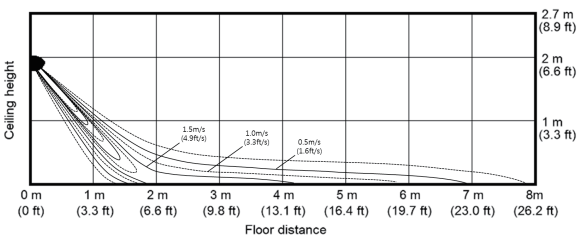
- Cooling temperature distribution

  (Discharge angle : 23 degree)



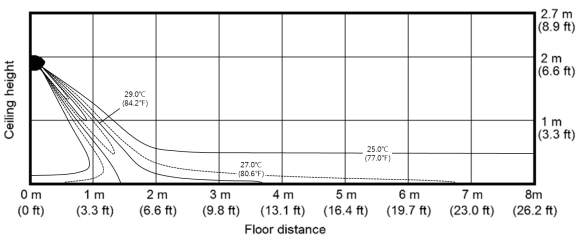
- Heating Air Velocity distribution

  (Discharge angle : 53 degree)



- Heating temperature distribution

  (Discharge angle : 53 degree)



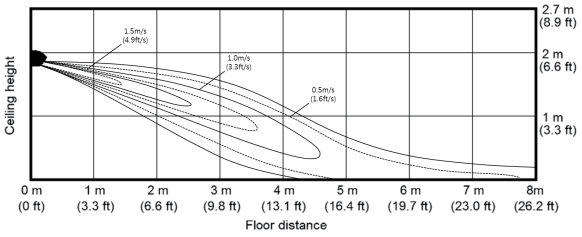
8. Temperature and air flow distribution

Wall Mounted Type (A3050)

AC052RNADKG/EU

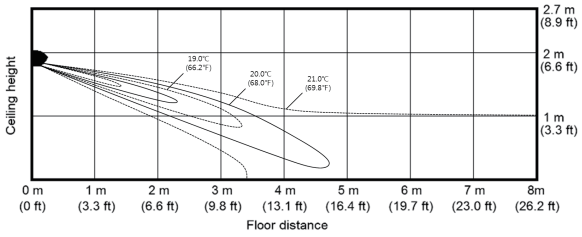
- Cooling Air Velocity distribution

  (Discharge angle : 16 degree)



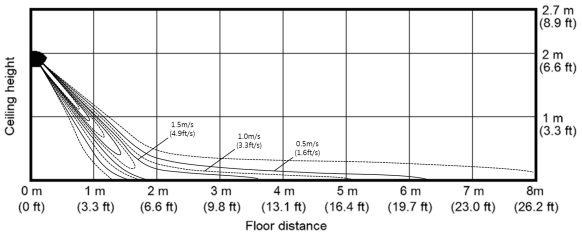
- Cooling temperature distribution

  (Discharge angle : 16 degree)



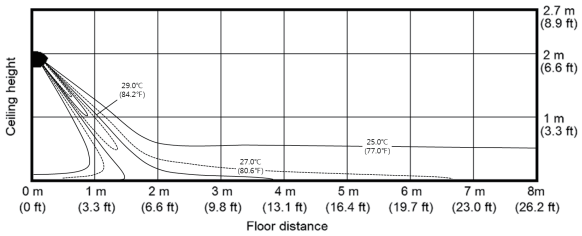
- Heating Air Velocity distribution

  (Discharge angle : 46 degree)



- Heating temperature distribution

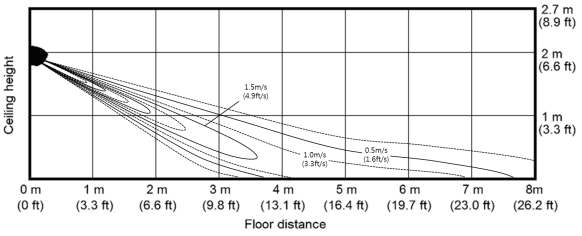
  (Discharge angle : 46 degree)



AC071RNADKG/EU

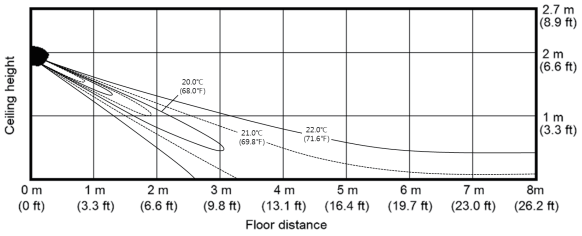
- Cooling Air Velocity distribution

  (Discharge angle : 28 degree)



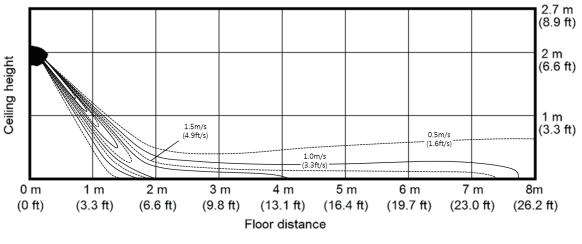
- Cooling temperature distribution

  (Discharge angle : 28 degree)



- Heating Air Velocity distribution

  (Discharge angle : 58 degree)



- Heating temperature distribution

  (Discharge angle : 58 degree)