

Wall Mounted Type (Wind-Free™)

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Features & Benefits

Wall Mounted Type (Wind-Free™)

Stay comfortably cool without feeling cold

Wind-Free™ Cooling

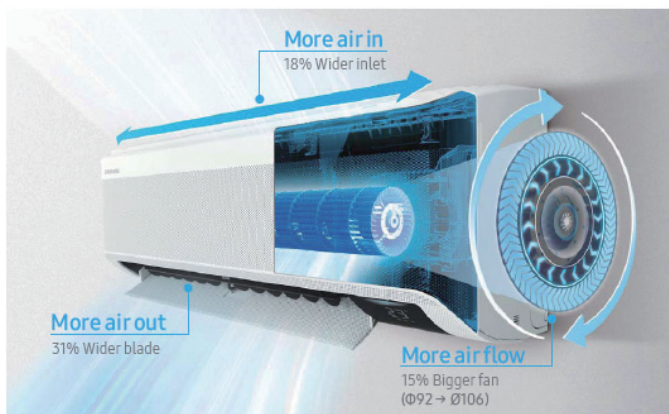
Stay comfortable cool with Wind-Free™ Cooling. It gently and quietly disperses air through 23,000 micro air holes, so there is no unpleasant feeling of cold wind on your skin. Its advanced airflow also cools a wider and larger area more evenly. And it uses 77% less energy than Fast Cooling (*).



(*) Tested on the AR07T9170HA3 model, based on the power consumption of Fast Cooling mode vs. Wind-Free™ Cooling mode.

- ASHRAE (American Society of Heating, Refrigerating, and Air-Conditioning Engineers) defines “Still Air” as air currents at speeds below 0.15m/s which lacks the presence of cold drafts.
- Tested on the AR12TXCAWKNEU model. Wind-Free™ mode generates only 23dB of noise, compared to 26dB with the Samsung conventional model.

Powerful & Farther air flow



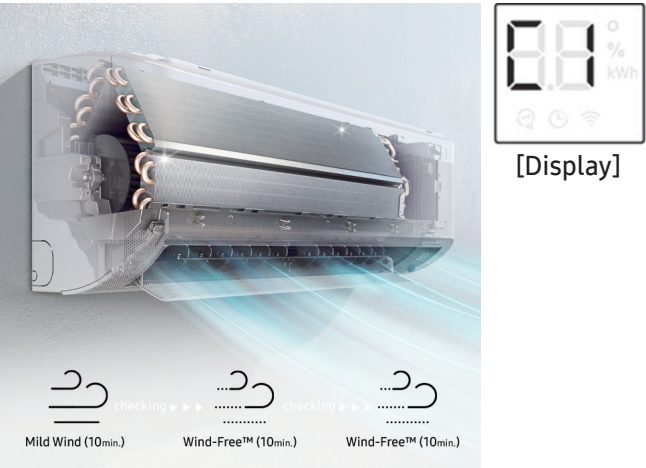
※ Compare to Boracay model

Features & Benefits

Wall Mounted Type (Wind-Free™)

Auto clean

Keep the inside of air conditioner clean and hygienic automatically



※ The Auto clean time may vary depending on the status of the product.

Quiet Operation

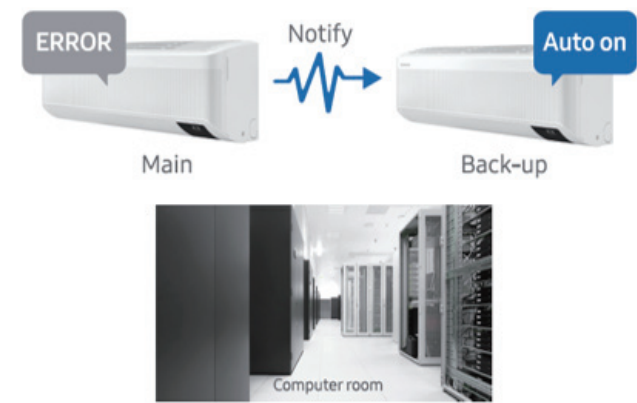
Wind-Free air conditioner work much more smoothly and quietly. At its lowest level, it only generates 21dB(A) of sound (*) which is almost as quiet as a whisper



(*) Tested on the AC026TNXDKG/EU model in quiet mode.

ETO (Emergency Temperature Output)

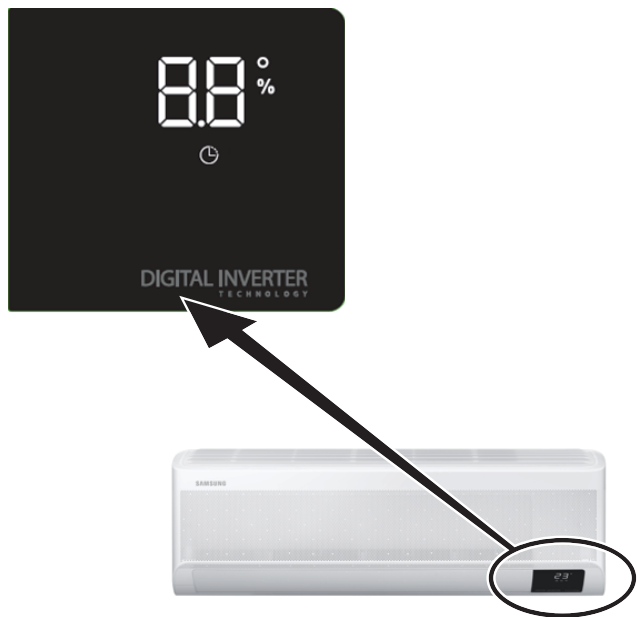
Protect your computer room safely : Activate a backup system when a unit has stopped due to an error or if room temperature is above the specified threshold



※ Requires additional components (MIM-B14) for each unit

7-Segment display

A large numeric display with clear and simple icons makes it much easier to see the room temperature and intuitively check the current status of your air conditioner - even from a distance.



1. Specification

Wall Mounted Type (Wind-Free™)

System	Model Name	Indoor Unit		AC026TNXDKG/EU	AC035TNXDKG/EU	
		Outdoor Unit		AC026RXADKG/EU	AC035RXADKG/EU	
	Mode			-	HEAT PUMP	HEAT PUMP
	Performance	Capacity (Min/Std/Max)	Cooling	kW	1.0 / 2.6 / 4.0	1.0 / 3.5 / 4.5
				Btu/h	3,410 / 8,870 / 13,650	3,410 / 11,940 / 15,350
			Heating	kW	0.8 / 3.3 / 4.0	0.8 / 4.0 / 4.8
				Btu/h	2,730 / 11,260 / 13,650	2,730 / 13,650 / 16,380
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.18 / 0.64 / 1.20	0.19 / 1.00 / 1.40
			Heating	kW	0.15 / 0.88 / 1.35	0.15 / 1.21 / 1.40
		Current Input (Min/Std/Max)	Cooling	A	1.4 / 3.1 / 5.5	1.4 / 4.6 / 6.0
			Heating	A	1.2 / 4.2 / 6.0	1.2 / 5.6 / 6.2
		Current	MCA	A	11.2	11.2
			MFA	A	12.5	12.5
	Efficiency	EER	Cooling	-	4.06	3.50
		COP	Heating	-	3.75	3.31
		SEER (Cooling Energy Grade)		-	7.0 (A++)	6.9 (A++)
		SCOP (Heating Energy Grade)		-	4.1 (A+)	4.1 (A+)
		Pdesignh		kW	2.1	2.1
	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.	mm²	0.75	0.75	
		Remark	-	F1, F2	F1, F2	
Refrigerant	Type		-	R32	R32	
	Factory Charging		kg	0.9	0.9	
			tCO₂e	0.61	0.61	

1. Specification

Wall Mounted Type (Wind-Free™)

Indoor Unit	Model Name	Indoor Unit		AC026TNXDKG/EU	AC035TNXDKG/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
		Material	Fin	-	Al
			Tube	-	Cu
		Fin Treatment		-	Green Hydrophile
	Fan	Type		-	Crossflow Fan
		Quantity		EA	1
		Air Flow Rate	Cooling (H/M/L)	m ³ /min	10.3 / 8.4 / 7.0
				l/s	172 / 140 / 117
			Heating (H/M/L)	m ³ /min	11.2 / 9.3 / 7.9
				l/s	187 / 155 / 132
	Fan Motor	Type		-	BLDC
		Output		W x n	27
	Drain	Drain Pipe		Φ, mm	ID18mm Hose
	Sound	Sound Pressure Level	High/Mid/Low/(Silent)	dB(A)	36 / 30 / 24 / 21
		Sound Power Level		dB(A)	56
	External Dimension	Net Weight		kg	9.1
		Shipping Weight		kg	10.7
		Net Dimensions (WxHxD)		mm	820 x 299 x 215
		Shipping Dimensions (WxHxD)		mm	880 x 290 x 375
	Casing	Material		-	PS-HI
	Control System	Infrared remote control		-	AR-EH03E
		Wired remote control		-	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
		Virus Doctor		-	-

1. Specification

Wall Mounted Type (Wind-Free™)

Outdoor Unit	Model Name		Indoor Unit		AC026TNXDKG/EU	AC035TNXDKG/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		°C	-15 ~ 46	-15 ~ 46
		Heating		°C	-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 (Wind-Free™)

System	Model Name	Indoor Unit		AC052TNXDKG/EU	AC071TNXDKG/EU	
		Outdoor Unit		AC052RXADKG/EU	AC071RXADKG/EU	
	Mode			-	HEAT PUMP	
	Performance	Capacity (Min/Std/Max)	Cooling	kW	1.5 / 5.0 / 6.8	2.0 / 7.1 / 8.7
				Btu/h	5,120 / 17,060 / 23,200	6,820 / 24,230 / 29,690
			Heating	kW	1.0 / 6.0 / 6.5	1.6 / 8.0 / 9.0
				Btu/h	3,410 / 20,470 / 22,180	5,460 / 27,300 / 30,710
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.24 / 1.40 / 2.20	0.39 / 2.30 / 3.40
			Heating	kW	0.20 / 1.75 / 2.05	0.33 / 2.35 / 3.30
		Current Input (Min/Std/Max)	Cooling	A	1.5 / 6.3 / 9.6	2.5 / 10.0 / 14.7
			Heating	A	1.3 / 7.8 / 8.8	2.0 / 10.3 / 14.5
		Current	MCA	A	17.7	17.7
			MFA	A	20.6	20.6
	Efficiency	EER	Cooling	-	3.57	3.09
		COP	Heating	-	3.43	3.40
		SEER (Cooling Energy Grade)		-	6.9 (A++)	6.8 (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.	mm²	0.75	0.75	
		Remark	-	F1, F2	F1, F2	
Refrigerant	Type		-	R32	R32	
	Factory Charging		kg	1.2	1.7	
			tCO ₂ e	0.81	1.15	

1. Specification

Wall Mounted Type (Wind-Free™)

Indoor Unit	Model Name	Indoor Unit		AC052TNXDKG/EU	AC071TNXDKG/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)	m³/min	16.7 / 13.9 / 11.8	17.8 / 15.2 / 13.2
				l/s	278 / 232 / 197	297 / 253 / 220
			Heating (H/M/L)	m³/min	16.7 / 13.9 / 11.8	19.1 / 16.5 / 14.5
				l/s	278 / 232 / 197	318 / 275 / 242
	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	44 / 39 / 35 / 30
		Sound Power Level		dB(A)	60	61
	External Dimension	Net Weight		kg	11.7	12.7
		Shipping Weight		kg	13.7	14.7
		Net Dimensions (WxHxD)		mm	1055 x 299 x 215	1055 x 299 x 215
		Shipping Dimensions (WxHxD)		mm	1115 x 290 x 375	1115 x 290 x 375
	Casing	Material		-	PS-HI	PS-HI
	Control System	Infrared remote control		-	AR-EH03E	AR-EH03E
		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		-	-	-

1. Specification

Wall Mounted Type (Wind-Free™)

Outdoor Unit	Model Name		Indoor Unit	AC052TNXDKG/EU	AC071TNXDKG/EU
			Outdoor Unit	AC052RXADKG/EU	AC071RXADKG/EU
	Power Supply			Ø, #, V, Hz	1, 2, 220-240, 50
	Heat Exchanger	Type		-	Fin & Tube
		Material	Fin	-	Al
			Tube	-	Cu
		Fin Treatment		-	Anti-Corrosion
	Compressor	Model Name		UB9TK3150FE4	UB4TN8200FE4
		Type		-	Twin BLDC
		Output		kW	1.51
		Oil	Type	-	POE
			Initial charge	cc	500
	Fan	Type		-	Propeller
		Discharge direction		-	Front
		Quantity		EA	1
		Air Flow Rate		m³/min	40
				l/s	667
	Fan Motor	Type		-	BLDC Motor
		Output		W x n	125 x 1
	Sound	Sound Pressure Level	Cooling	dB(A)	48
			Heating	dB(A)	49
		Sound Power Level		dB(A)	48
	External Dimension	Net Weight		kg	62
		Shipping Weight		kg	65
		Net Dimensions (WxHxD)		mm	43.0
		Shipping Dimensions (WxHxD)		mm	51.0
	Casing	Material	Body	-	880 x 638 x 310
					1023 x 742 x 413
	Operating Temp. Range	Cooling		°C	880 x 798 x 310
		Heating		°C	1023 x 896 x 413

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 (Wind-Free™)

Performance Characteristics

Model Code	Net Weight (kg)	Capacity			Fan Speed	Airflow (CMM)	Sound Pressure Level (dBA)	Sound Power Level (dBA)
			Cooling (kW)	Heating (kW)				
AC026TNXDKH/EU	32.5	Max.	4.0	4.0	High	10.3	36	56
		Std.	2.6	3.3	Mid	8.4	30	
		Min.	1.0	0.8	Low	7.0	24	
AC035TNXDKH/EU	32.5	Max.	4.5	4.8	High	12.2	40	59
		Std.	3.5	4.0	Mid	9.8	34	
		Min.	1.0	0.8	Low	7.9	28	
AC052TNXDKH/EU	43	Max.	6.8	6.5	High	16.7	42	60
		Std.	5.0	6.0	Mid	13.9	37	
		Min.	1.5	1.0	Low	11.8	32	
AC071TNXDKH/EU	51	Max.	8.7	9.0	High	17.8	44	61
		Std.	7.1	8.0	Mid	15.2	39	
		Min.	2.0	1.6	Low	13.2	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	MFA
		Hz	Volts	Min.	Max.	Cooling	Heating				
AC026TNXDKG/EU	AC026RXADKG/EU	50	220 to 240	198	264	10	10	1.2	11.2	11.2	12.5
AC035TNXDKG/EU	AC035RXADKG/EU	50	220 to 240	198	264	10	10	1.2	11.2	11.2	12.5
AC052TNXDKG/EU	AC052RXADKG/EU	50	220 to 240	198	264	16.5	16.5	1.2	17.7	17.7	20.6
AC071TNXDKG/EU	AC071RXADKG/EU	50	220 to 240	198	264	16.5	16.5	1.2	17.7	17.7	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 (Wind-Free™)

(1) AC026TNXDKG/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	3.1	2.3	0.62	3.3	2.4	0.63	3.4	2.5	0.64	3.5	2.5	0.7	3.6	2.5	0.66	3.8	2.5	0.67	3.9	2.4	0.68
21	3.2	2.4	0.69	3.4	2.5	0.70	3.5	2.6	0.72	3.6	2.6	0.7	3.7	2.6	0.74	3.9	2.6	0.75	4.1	2.5	0.76
35	2.3	2.0	0.60	2.4	2.1	0.61	2.5	2.1	0.63	2.6	2.2	0.6	2.7	2.2	0.65	2.8	2.1	0.65	2.9	2.1	0.67
46	2.6	2.1	1.25	2.7	2.2	1.28	2.8	2.3	1.31	2.9	2.3	1.3	3.0	2.3	1.35	3.1	2.3	1.36	3.3	2.3	1.39

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	2.2	1.11	2.1	1.10	2.1	1.1	2.1	1.08	2.1	1.07	2.1	1.06
-15	2.7	1.29	2.7	1.28	2.7	1.3	2.6	1.25	2.6	1.24	2.6	1.23
-5	3.6	1.59	3.6	1.58	3.5	1.6	3.5	1.55	3.5	1.53	3.4	1.52
0	3.4	1.31	3.4	1.29	3.4	1.3	3.3	1.27	3.3	1.25	3.3	1.24
7	3.4	0.90	3.3	0.89	3.3	0.9	3.3	0.87	3.2	0.86	3.2	0.85
24	4.5	1.35	4.5	1.34	4.4	1.3	4.4	1.31	4.4	1.30	4.3	1.29

NOTE

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

3. Capacity Table

Wall Mounted Type (Wind-Free™)

(2) AC035TNXDKG/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	3.5	2.6	0.65	3.6	2.6	0.66	3.8	2.7	0.68	3.9	2.8	0.7	4.0	2.8	0.70	4.2	2.8	0.70	4.4	2.7	0.72
21	3.6	2.7	0.73	3.8	2.8	0.74	3.9	2.9	0.76	4.0	2.9	0.8	4.1	2.9	0.78	4.3	2.9	0.79	4.5	2.8	0.80
35	3.1	2.5	0.94	3.3	2.5	0.96	3.4	2.6	0.98	3.5	2.7	1.0	3.6	2.7	1.01	3.7	2.6	1.02	3.9	2.6	1.04
46	2.9	2.4	1.32	3.0	2.5	1.35	3.2	2.5	1.37	3.3	2.6	1.4	3.3	2.6	1.42	3.5	2.6	1.43	3.7	2.5	1.46

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	2.4	1.17	2.4	1.16	2.4	1.1	2.3	1.14	2.3	1.13	2.3	1.11
-15	3.0	1.36	3.0	1.35	3.0	1.3	2.9	1.32	2.9	1.31	2.9	1.29
-5	4.0	1.68	4.0	1.66	3.9	1.6	3.9	1.63	3.9	1.61	3.8	1.60
0	3.8	1.37	3.8	1.36	3.7	1.3	3.7	1.33	3.7	1.32	3.6	1.31
7	4.1	1.23	4.0	1.22	4.0	1.2	4.0	1.20	3.9	1.19	3.9	1.17
24	5.0	1.42	5.0	1.41	4.9	1.4	4.9	1.38	4.8	1.37	4.8	1.35

NOTE

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

3. Capacity Table

Wall Mounted Type (Wind-Free™)

(3) AC052TNXDKG/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	5.3	4.1	1.04	5.5	4.2	1.06	5.8	4.4	1.08	5.9	4.5	1.1	6.1	4.4	1.11	6.4	4.4	1.12	6.7	4.3	1.14
21	5.3	4.1	1.17	5.6	4.2	1.20	5.9	4.4	1.22	6.0	4.5	1.2	6.2	4.4	1.26	6.5	4.4	1.27	6.8	4.3	1.30
35	4.4	3.7	1.32	4.7	3.8	1.34	4.9	3.9	1.37	5.0	4.0	1.4	5.1	4.0	1.41	5.4	3.9	1.43	5.6	3.8	1.46
46	4.9	3.9	2.58	5.2	4.0	2.63	5.4	4.2	2.69	5.6	4.3	2.7	5.7	4.3	2.77	6.0	4.2	2.80	6.3	4.1	2.85
50	3.4	3.3	1.74	3.6	3.4	1.78	3.7	3.5	1.82	3.8	3.6	1.9	3.9	3.5	1.87	4.1	3.5	1.89	4.3	3.4	1.93

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	1.79	2.7	1.77	2.7	1.8	2.7	1.73	2.7	1.72	2.6	1.70
-15	4.9	2.21	4.8	2.18	4.8	2.2	4.7	2.14	4.7	2.12	4.6	2.10
-5	6.2	2.49	6.1	2.47	6.0	2.4	6.0	2.42	5.9	2.40	5.9	2.37
0	6.0	2.09	5.9	2.07	5.9	2.1	5.8	2.03	5.7	2.01	5.7	1.99
7	6.1	1.79	6.1	1.77	6.0	1.8	5.9	1.73	5.9	1.72	5.8	1.70
24	7.9	2.11	7.9	2.09	7.8	2.1	7.7	2.05	7.6	2.02	7.5	2.00

NOTE

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

3. Capacity Table

Wall Mounted Type (Wind-Free™)

(4) AC071TNXDKG/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	7.5	5.3	1.10	7.9	5.4	1.13	8.2	5.6	1.15	8.5	5.8	1.2	8.7	5.7	1.18	9.1	5.7	1.20	9.6	5.6	1.22
21	7.7	5.3	1.91	8.1	5.5	1.95	8.4	5.6	1.99	8.7	5.8	2.0	8.9	5.8	2.05	9.3	5.7	2.07	9.8	5.6	2.12
35	6.3	4.7	2.16	6.6	4.8	2.21	6.9	4.9	2.25	7.1	5.1	2.3	7.2	5.0	2.32	7.6	5.0	2.35	8.0	4.9	2.39
46	5.1	4.2	2.48	5.4	4.3	2.53	5.6	4.4	2.58	5.8	4.6	2.6	5.9	4.5	2.66	6.2	4.5	2.69	6.5	4.4	2.74
50	3.4	3.4	1.77	3.6	3.5	1.80	3.8	3.6	1.84	3.9	3.7	1.9	3.9	3.7	1.90	4.1	3.6	1.92	4.4	3.5	1.95

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	5.1	2.55	5.1	2.53	5.0	2.5	5.0	2.48	4.9	2.45	4.9	2.43
-15	6.1	3.11	6.1	3.08	6.0	3.1	5.9	3.02	5.9	2.99	5.8	2.96
-5	7.6	3.72	7.5	3.68	7.4	3.6	7.4	3.61	7.3	3.57	7.2	3.53
0	8.3	3.22	8.2	3.19	8.1	3.2	8.1	3.12	8.0	3.09	7.9	3.06
7	8.2	2.40	8.1	2.37	8.0	2.4	7.9	2.33	7.8	2.30	7.8	2.28
24	8.9	2.65	8.8	2.62	8.8	2.6	8.7	2.57	8.6	2.54	8.5	2.52

NOTE

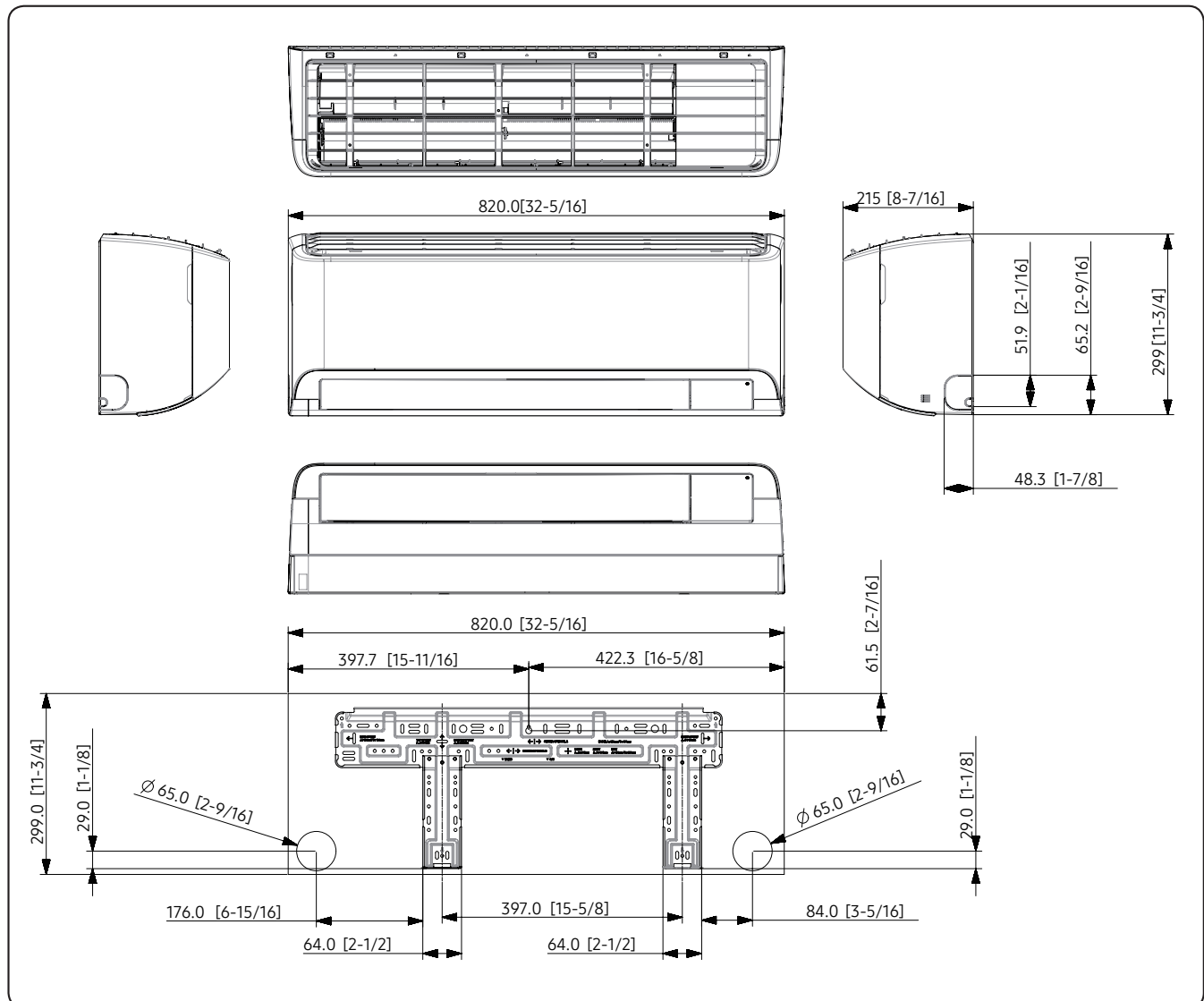
- The performance table shows the average value of each conditions.

4. Dimensional Drawing

Wall Mounted Type (Wind-Free™)

AC026TNXDKG/EU, AC035TNXDKG/EU

Units : mm [inches]



Wall Mounted Type (Wind-Free™)

Units : mm [inches]

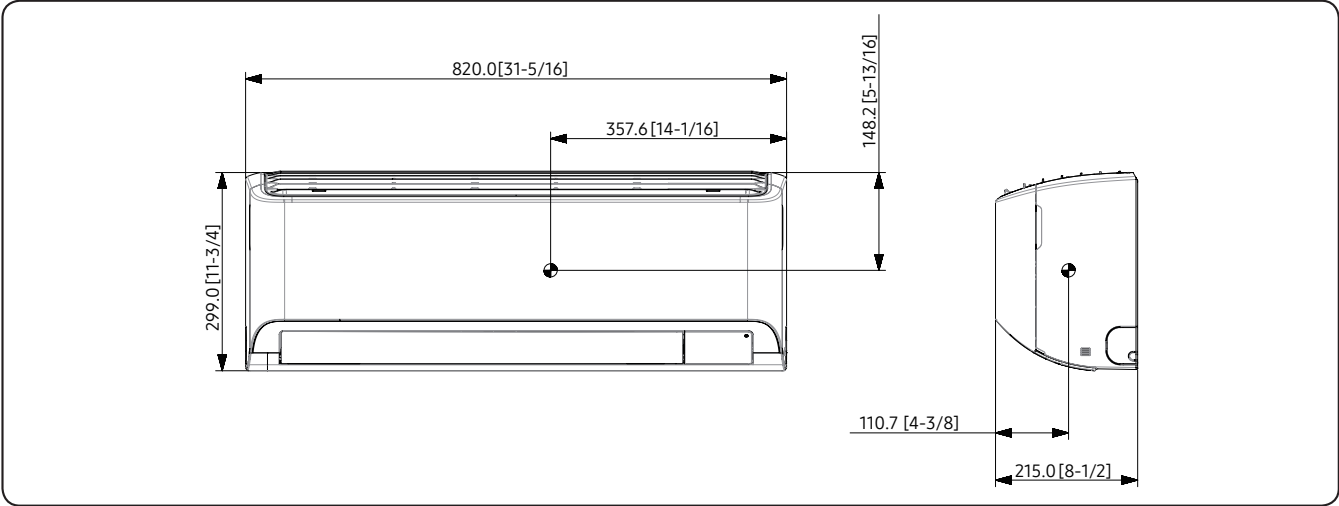


5. Center of Gravity

Wall Mounted Type (Wind-Free™)

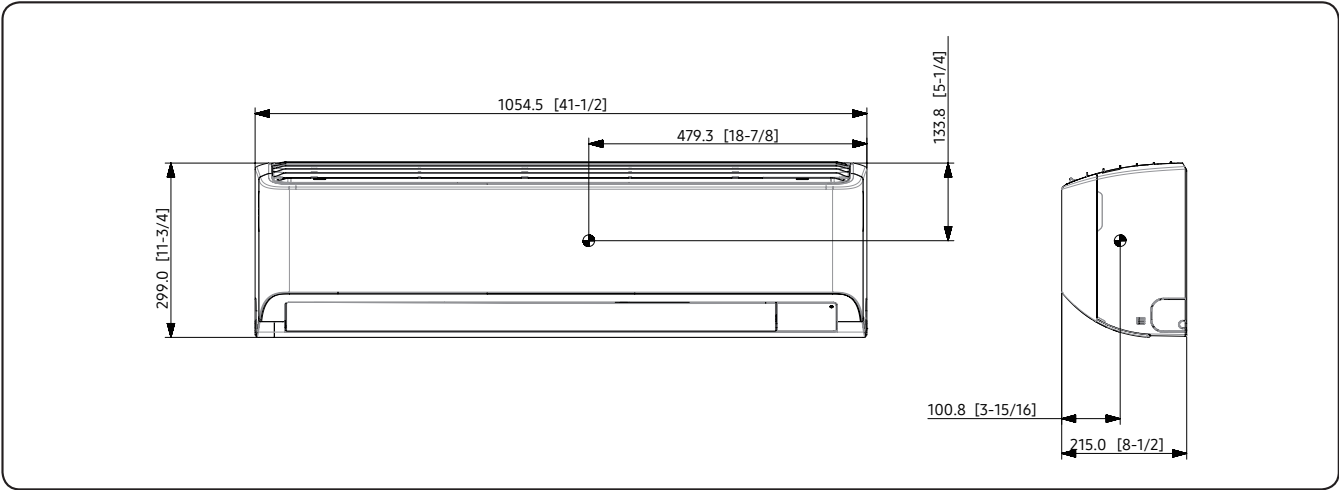
AC026TNXDKG/EU, AC035TNXDKG/EU

Units : mm [inches]



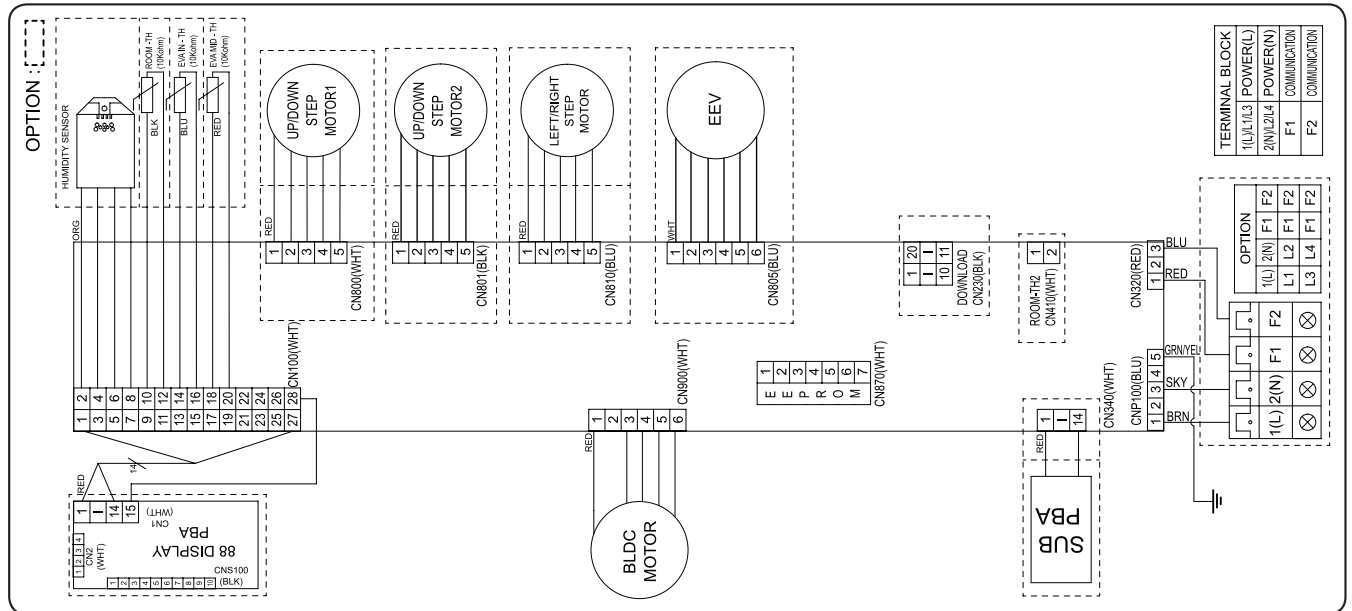
AC052TNXDKG/EU, AC071TNXDKG/EU

Units : mm [inches]



6. Electrical Wiring Diagram

Wall Mounted Type (Wind-Free™)



MAIN PBA	Printed circuit board(MAIN)	ROOM(10K)	Thermistor ROOM
SUB PBA	Printed circuit board(SUB)	EVA-IN(10K)	Thermistor EVA IN
88 DISPLAY PBA	Printed circuit board(DISPLAY)	EVA-MID(10K)	Thermistor EVA OUT
		ROOM2(10K)	External Thermistor ROOM((Option)

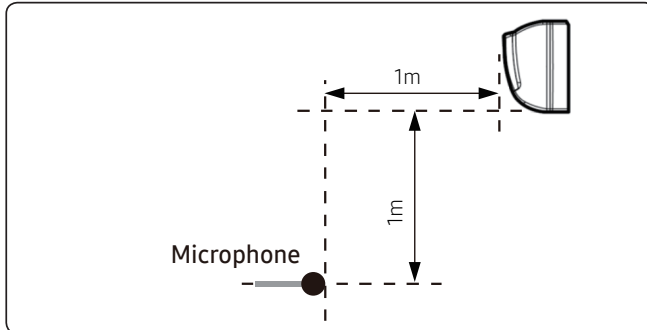
NOTE

- 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 (Wind-Free™)

Sound Pressure level

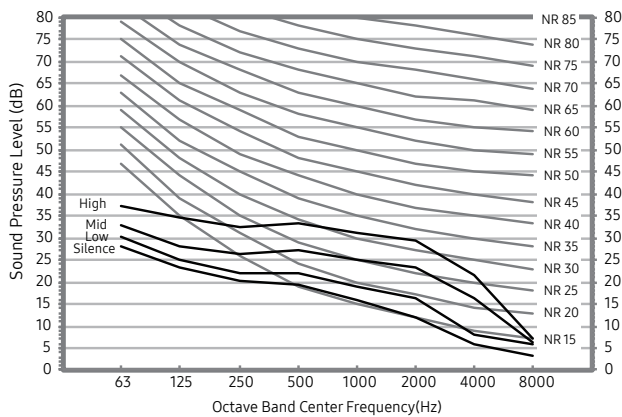


Unit: dB(A)

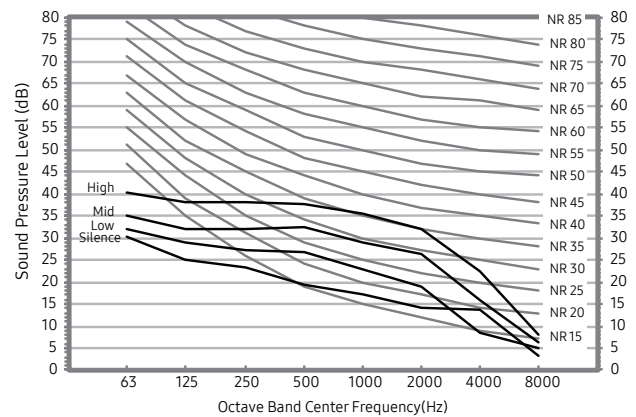
Model	HIGH	MID	LOW	Silence
AC026TNXDKG/EU	36	30	24	21
AC035TNXDKG/EU	40	34	28	20
AC052TNXDKG/EU	42	37	32	25
AC071TNXDKG/EU	44	39	35	30

• NR Curve

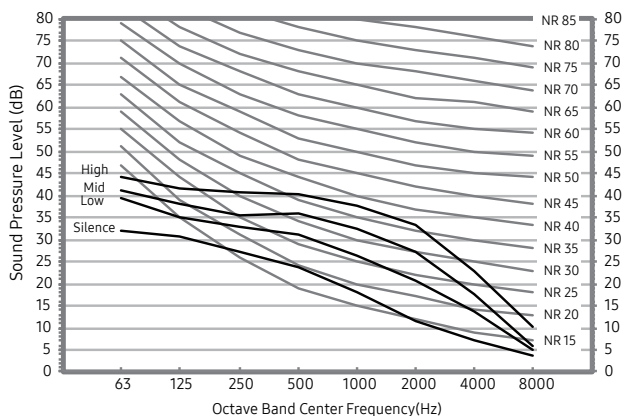
1) AC026TNXDKG/EU



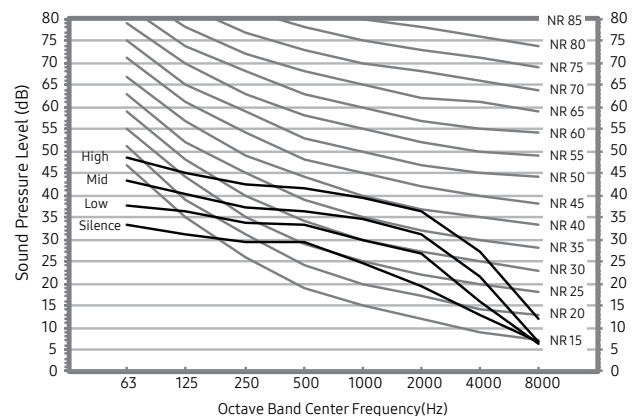
2) AC035TNXDKG/EU



3) AC052TNXDKG/EU



4) AC071TNXDKG/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 (Wind-Free™)

Sound Power level

 NOTE

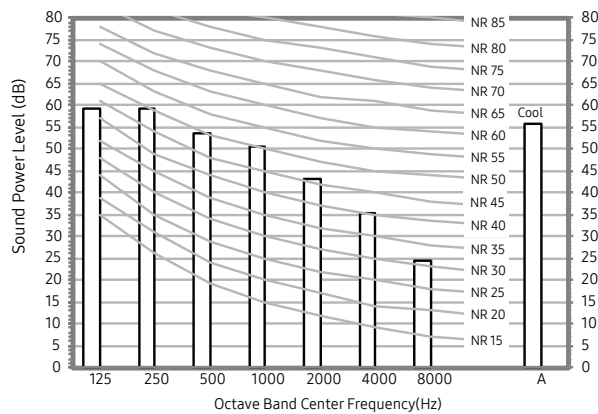
Unit: dB(A)

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

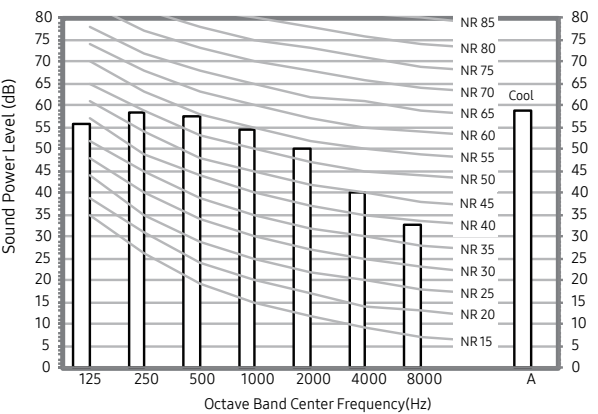
Model	Power
AC026TNXDKG/EU	56
AC035TNXDKG/EU	59
AC052TNXDKG/EU	60
AC071TNXDKG/EU	61

• NR Curve

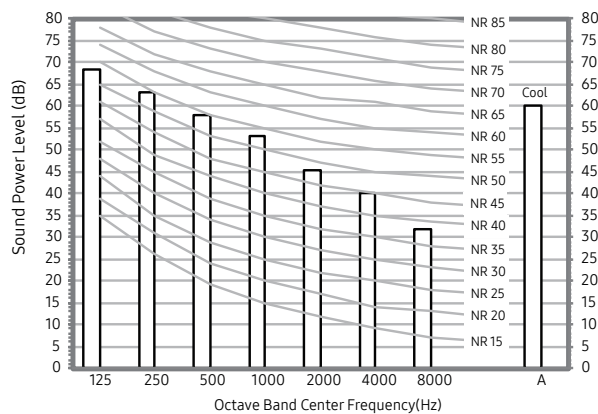
1) AC026TNXDKG/EU



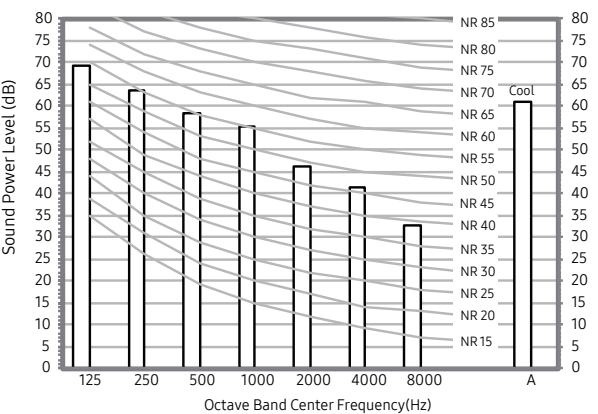
2) AC035TNXDKG/EU



3) AC052TNXDKG/EU



4) AC071TNXDKG/EU



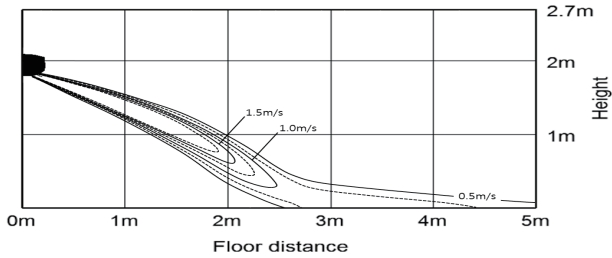
8. Temperature and air flow distribution

Wall Mounted Type (Wind-Free™)

AC026TNXDKG/EU

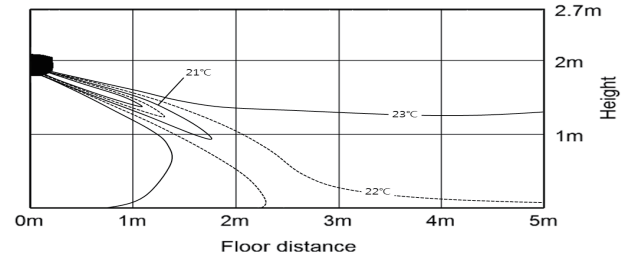
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



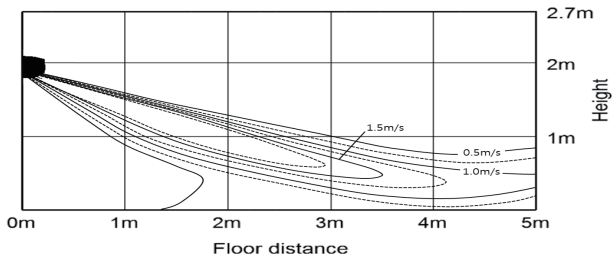
- Cooling temperature distribution

(Discharge angle : 20 degree)



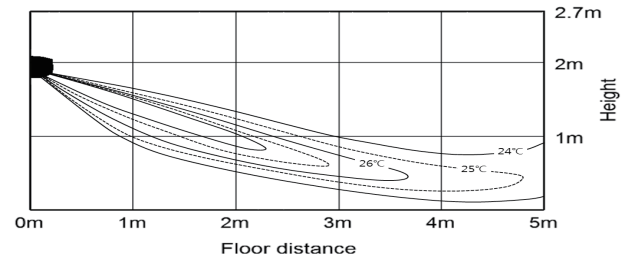
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

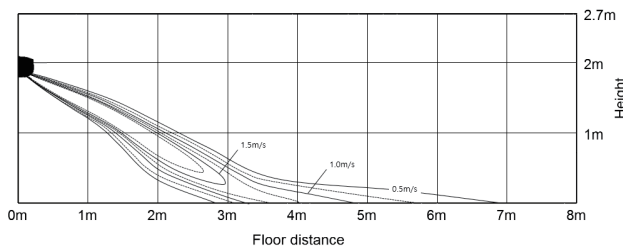
(Discharge angle : 30 degree)



AC035TNXDKG/EU

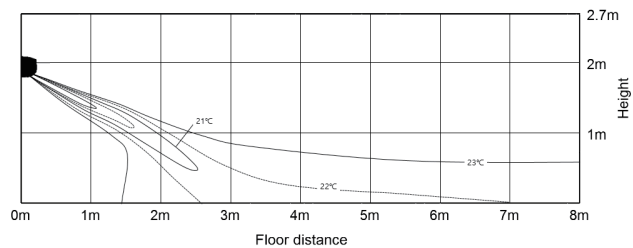
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



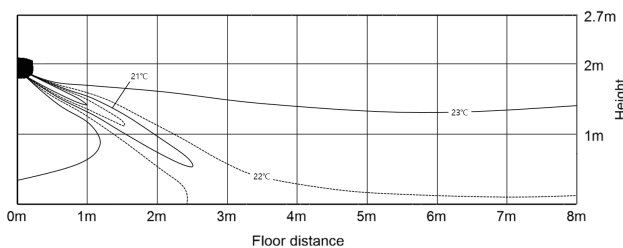
- Cooling temperature distribution

(Discharge angle : 20 degree)



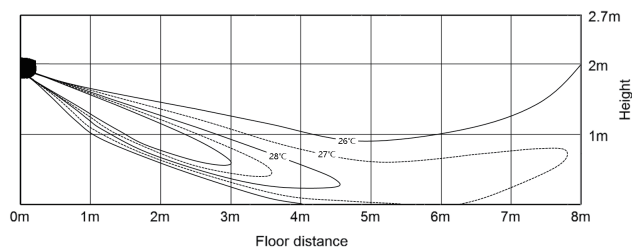
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

(Discharge angle : 30 degree)



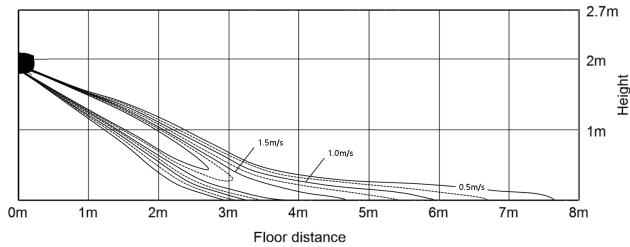
8. Temperature and air flow distribution

Wall Mounted Type (Wind-Free™)

AC052TNXDKG/EU

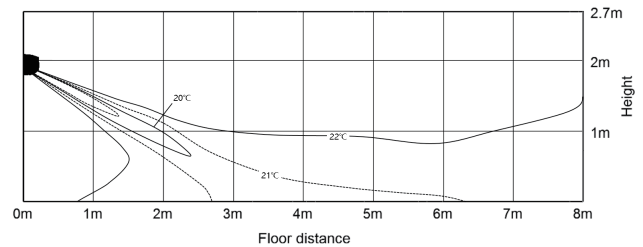
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



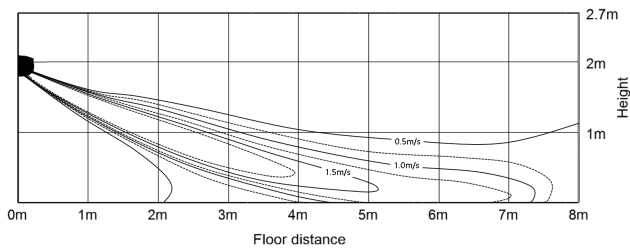
- Cooling temperature distribution

(Discharge angle : 20 degree)



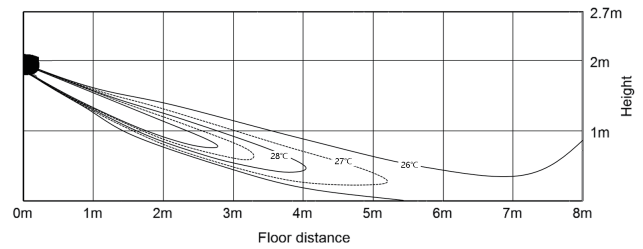
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

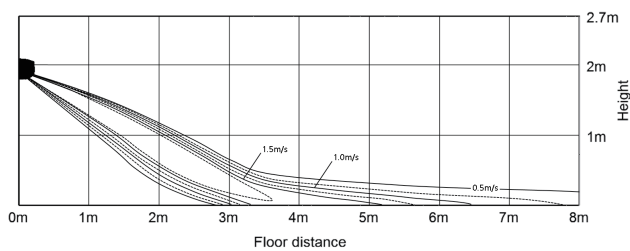
(Discharge angle : 30 degree)



AC071TNXDKG/EU

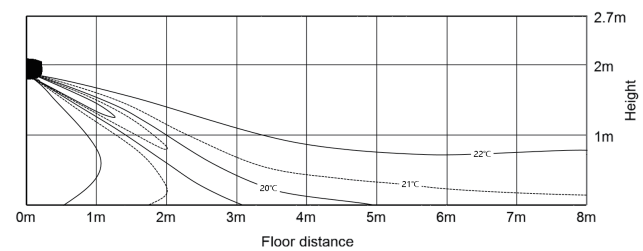
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



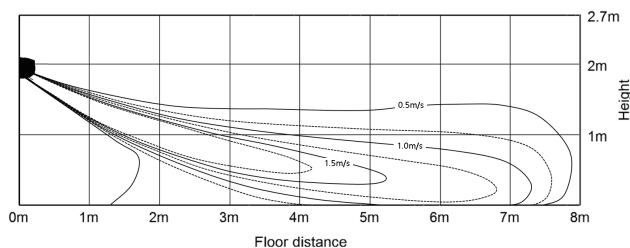
- Cooling temperature distribution

(Discharge angle : 20 degree)



- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

(Discharge angle : 30 degree)

