

Wind-Free 4Way Cassette (600x600)

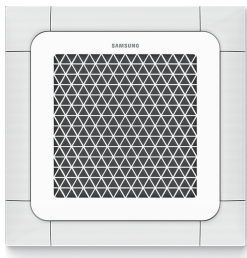
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Features & Benefits

Wind-Free 4Way Cassette (600x600)

Add chic flair to your interior design with a stylish yet powerful AC system

Samsung's advanced Wind-Free 4Way Cassette (600 x 600) builds on the aesthetic appeal and performance of the standard Wind-Free 4Way Cassette with an enhanced design. The Wind-Free 4Way Cassette (600 x 600) comes in a variety of patterns to complement any interior. The stylish cassette unit visually harmonizes with the indoor space, while efficient cooling and heating performance make it a dependable and practical air conditioning solution.



The Wind-Free 4Way Cassette (600 x 600) indoor air conditioning system provides high-performance heating and cooling in an elegant design with features such as:

- **Tasteful design and compact, lightweight build.** Create a polished ambiance with a discreetly sized design and a choice of attractive panel patterns.
- **Enhanced comfort control.** Optimize comfort and save energy with optional motion detection.
- **Low maintenance and powerful airflow.** Ease installation and maintenance and maximize airflow with an efficient design and robust performance.

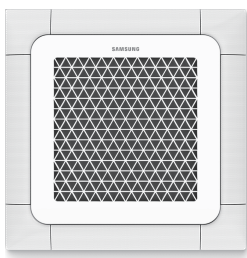
Wind-Free 4Way Cassette (600 x 600) - Tasteful design, Compact, Lightweight build

Refine the interior with an elegant, compact design

The enhanced Samsung Wind-Free 4Way Cassette (600 x 600) indoor air conditioner features a selection of simple panel patterns to blend seamlessly into any interior design. Its uniquely lightweight frame blends effortlessly and beautifully into any décor, while clever blade construction keeps the unit clean for a tidy appearance.

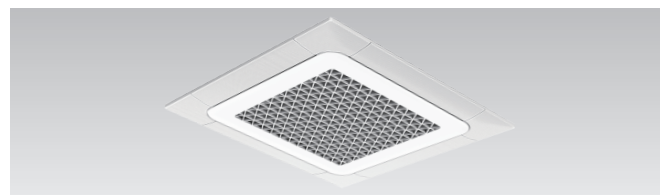
Attractive panel and display

The Wind-Free 4Way Cassette (600 x 600) features a fashionable panel with a simple, beveled corner design. The rounded panel frame promotes a neat, tidy look for an aesthetic flair that blends perfectly with any ambience.



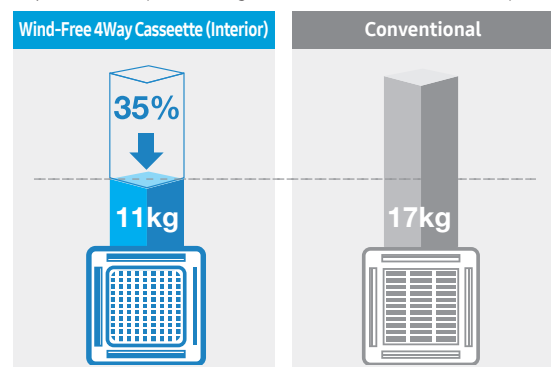
Ultra-compact size

Samsung's Wind-Free 4Way Cassette (600 x 600) air conditioner can be installed on a single standard ceiling tile (600W x 600D) which helps minimize installation time and effort.



Light, robust design

The Samsung Wind-Free 4Way Cassette (600 x 600) indoor unit is now lighter in weight at 11kg. It is the lightest indoor unit in the industry, about 35 percent lighter than our conventional products.



*Based on 3.5kW

1. Specification

Wind-Free 4Way Cassette (600x600)

Model Name	Indoor Unit			AC026RNNDKG/EU	AC035RNNDKG/EU
	Outdoor Unit			AC026RXADKG/EU	AC035RXADKG/EU
Mode				HEAT PUMP	HEAT PUMP
Performance	Capacity (Min/Std/Max)	Cooling	kW	0.87 / 2.60 / 4.10	0.88 / 3.50 / 4.50
			Btu/h	2,970 / 8,870 / 13,990	3,000 / 11,940 / 15,350
		Heating	kW	0.98 / 3.40 / 4.10	1.00 / 4.00 / 4.80
			Btu/h	3,340 / 11,600 / 13,990	3,410 / 13,650 / 16,380
Power	Power Input (Min/Std/Max)	Cooling	kW	0.16 / 0.67 / 1.20	0.18 / 1.03 / 1.40
		Heating	kW	0.20 / 0.92 / 1.45	0.19 / 1.20 / 1.80
	Current Input (Min/Std/Max)	Cooling	A	1.3 / 3.5 / 5.5	1.4 / 5.0 / 6.0
		Heating	A	1.3 / 4.6 / 7.0	1.3 / 5.7 / 10.5
	Current	MCA	A	11.0	11.0
		MFA	A	12.5	12.5
Efficiency	EER	Cooling	-	3.88	3.40
	COP	Heating	-	3.69	3.33
	SEER (Cooling Energy Grade)		-	7.1 (A++)	7.0 (A++)
	SCOP (Heating Energy Grade)		-	4.3 (A+)	4.3 (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.	mm ²	0.75	0.75
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R32	R32
	Factory Charging		kg	0.9	0.9
			tCO ₂ e	0.61	0.61
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		-	Turbo Fan	Turbo Fan
	Quantity		EA	1	1
	Air Flow Rate	Cooling (H/M/L)	m ³ /min	8.0 / 7.0 / 6.0	9.2 / 8.0 / 6.4
			l/s	133.3 / 116.6 / 100	153.3 / 133.3 / 106.6
		Heating (H/M/L)	m ³ /min	10.0 / 9.0 / 8.0	10.4 / 9.0 / 7.8
l/s			166.6 / 150 / 133.3	173.3 / 150 / 130	
Fan Motor	Type		-	BLDC	BLDC
	Output		W x n	65	65

1. Specification

Wind-Free 4Way Cassette (600x600)

Model Name	Indoor Unit			AC026RNNDKG/EU	AC035RNNDKG/EU
	Outdoor Unit			AC026RXADKG/EU	AC035RXADKG/EU
Drain	Drain Pipe		Φ, mm	VP-25(OD32, ID25)	VP-25(OD32, ID25)
	Sound Pressure Level	High/Mid/Low/(Silent)	dB(A)	31 / 28 / 25	34 / 30 / 25
Sound	Sound Power Level		dB(A)	48	50
	Net Weight		kg	11.5	11.5
External Dimension	Shipping Weight		kg	14.0	14.0
	Net Dimensions (WxHxD)		mm	575 x 250 x 575	575 x 250 x 575
	Shipping Dimensions (WxHxD)		mm	623 x 298 x 653	623 x 298 x 653
	Material		-	Polypropylene	Polypropylene
Panel (1)	Model Name		-	PC4SUFMAN	PC4SUFMAN
	Type		-	Wind-Free Type	Wind-Free Type
	Material		-	HIPS	HIPS
	Color		-	DA White	DA White
	Net Weight		kg	2.7	2.7
	Shipping Weight		kg	3.9	3.9
	Net Dimensions (WxHxD)		mm	620 x 46 x 620	620 x 46 x 620
	Shipping Dimensions (WxHxD)		mm	670 x 120 x 655	670 x 120 x 655
Panel (2)	Model Name		-	PC4SUSMBN	PC4SUSMBN
	Type		-	Waffle Type	Waffle Type
	Material		-	HIPS	HIPS
	Color		-	Victory gray	Victory gray
	Net Weight		kg	2.3	2.3
	Shipping Weight		kg	3.5	3.5
	Net Dimensions (WxHxD)		mm	620 x 45 x 620	620 x 45 x 620
	Shipping Dimensions (WxHxD)		mm	661 x 106 x 671	661 x 106 x 671
Panel (3)	Model Name		-	PC4SUSMFN	PC4SUSMFN
	Type		-	Stripe Type	Stripe Type
	Material		-	HIPS	HIPS
	Color		-	Victory gray	Victory gray
	Net Weight		kg	2.3	2.3
	Shipping Weight		kg	3.5	3.5
	Net Dimensions (WxHxD)		mm	620 x 45 x 620	620 x 45 x 620
	Shipping Dimensions (WxHxD)		mm	661 x 106 x 671	661 x 106 x 671
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		-	Included	Included
	Max. lifting Height / Displacement		mm / Liter / h	750/24	750/24
Additional Accessories	Drain Pump	External Model	-	-	-
		Internal Model	-	-	-
	Max. lifting Height / Displacement		mm / Liter / h	-	-
	Air Filter		-	Removable / Washable	Removable / Washable
	Virus Doctor		-	Option	-

1. Specification

Wind-Free 4Way Cassette (600x600)

Model Name	Indoor Unit		AC026RNNDKG/EU	AC035RNNDKG/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
	Material	Fin	-	Al
		Tube	-	Cu
Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
Compressor	Model Name		-	UB9AK5090FER
	Type		-	Single BLDC
	Output		kW	0.86
	Oil	Type	-	POE
Initial charge		cc	320	
Fan	Type		-	Propeller
	Discharge direction		-	Front
	Quantity		EA	1
	Air Flow Rate			m ³ /min
		l/s	500	
Fan Motor	Type		-	BLDC Motor
	Output		W x n	40 x 1
Sound	Sound Pressure Level	Cooling	dB(A)	46
		Heating	dB(A)	47
	Sound Power Level		dB(A)	59
External Dimension	Net Weight		kg	32.5
	Shipping Weight		kg	35.5
	Net Dimensions (WxHxD)		mm	790 x 548 x 285
	Shipping Dimensions (WxHxD)		mm	913 x 622 x 371
Casing	Material	Body	-	EGI Steel Plate
	Operating Temp. Range		°C	-15 ~ 46
			°C	-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

Wind-Free 4Way Cassette (600x600)

	Model Name		Indoor Unit	AC052RNNDKG/EU	AC071RNNDKG/EU	
			Outdoor Unit	AC052RXADKG/EU	AC071RXADKG/EU	
System	Mode		-	HEAT PUMP	HEAT PUMP	
	Performance	Capacity (Min/Std/Max)	Cooling	kW	1.30 / 5.00 / 6.20	1.50 / 6.80 / 8.30
				Btu/h	4,430 / 17,060 / 21,150	5,120 / 23,200 / 28,320
		Heating		kW	1.30 / 5.50 / 7.50	1.90 / 7.50 / 9.00
				Btu/h	4,430 / 18,760 / 25,590	6,480 / 25,590 / 30,710
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.31 / 1.53 / 2.10	0.35 / 2.75 / 3.60
			Heating	kW	0.35 / 1.52 / 2.40	0.35 / 2.80 / 3.95
		Current Input (Min/Std/Max)	Cooling	A	2.6 / 7.0 / 9.5	2.0 / 12.0 / 16.0
			Heating	A	2.9 / 7.0 / 11.0	2.0 / 12.0 / 17.0
		Current	MCA	A	17.5	17.5
			MFA	A	20.6	20.6
	Efficiency	EER	Cooling	-	3.27	2.47
		COP	Heating	-	3.62	2.68
		SEER (Cooling Energy Grade)		-	6.7 (A++)	6.1 (A++)
		SCOP (Heating Energy Grade)		-	4.2 (A+)	3.8 (A)
		Pdesignh		kW	2.4	4.0
	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)	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	Max.	m	5	5
			Elevation	m	30	50
			Chargeless	m	20	30
	Min.		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 ₂ e	0.81	1.15	
Indoor Unit	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		-	Turbo Fan	Turbo Fan
		Quantity		EA	1	1
		Air Flow Rate	Cooling (H/M/L)	m ³ /min	10.5 / 9.5 / 8.5	11.5 / 10.5 / 9.5
				l/s	175 / 158.3 / 141.6	191.6 / 175 / 158.3
			Heating (H/M/L)	m ³ /min	10.5 / 9.5 / 8.5	11.5 / 10.5 / 9.5
	l/s			175 / 158.3 / 141.6	191.6 / 175 / 158.3	
	Fan Motor	Type		-	BLDC	BLDC
Output		W x n	65	65		

1. Specification

Wind-Free 4Way Cassette (600x600)

Model Name	Indoor Unit			AC052RNNDKG/EU	AC071RNNDKG/EU
	Outdoor Unit			AC052RXADKG/EU	AC071RXADKG/EU
Drain	Drain Pipe		Φ, mm	VP-25(OD32, ID25)	VP-25(OD32, ID25)
Sound	Sound Pressure Level	High/Mid/Low/(Silent)	dB(A)	39 / 34 / 29	42 / 39 / 36
	Sound Power Level		dB(A)	56	58
External Dimension	Net Weight		kg	12.0	12.0
	Shipping Weight		kg	14.2	14.2
	Net Dimensions (WxHxD)		mm	575 x 250 x 575	575 x 250 x 575
	Shipping Dimensions (WxHxD)		mm	623 x 298 x 653	623 x 298 x 653
Casing	Material		-	Polypropylene	Polypropylene
Panel (1)	Model Name		-	PC4SUFMAN	PC4SUFMAN
	Type		-	Wind-Free Type	Wind-Free Type
	Material		-	HIPS	HIPS
	Color		-	DA White	DA White
	Net Weight		kg	2.7	2.7
	Shipping Weight		kg	3.9	3.9
	Net Dimensions (WxHxD)		mm	620 x 46 x 620	620 x 46 x 620
	Shipping Dimensions (WxHxD)		mm	670 x 120 x 655	670 x 120 x 655
Panel (2)	Model Name		-	PC4SUSMBN	PC4SUSMBN
	Type		-	Waffle Type	Waffle Type
	Material		-	HIPS	HIPS
	Color		-	Victory gray	Victory gray
	Net Weight		kg	2.3	2.3
	Shipping Weight		kg	3.5	3.5
	Net Dimensions (WxHxD)		mm	620 x 45 x 620	620 x 45 x 620
	Shipping Dimensions (WxHxD)		mm	661 x 106 x 671	661 x 106 x 671
Panel (3)	Model Name		-	PC4SUSMFN	PC4SUSMFN
	Type		-	Stripe Type	Stripe Type
	Material		-	HIPS	HIPS
	Color		-	Victory gray	Victory gray
	Net Weight		kg	2.3	2.3
	Shipping Weight		kg	3.5	3.5
	Net Dimensions (WxHxD)		mm	620 x 45 x 620	620 x 45 x 620
	Shipping Dimensions (WxHxD)		mm	661 x 106 x 671	661 x 106 x 671
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		-	Included	Included
	Max. lifting Height / Displacement		mm / Liter / h	750/24	750/24
Additional Accessories	Drain Pump	External Model	-	-	-
		Internal Model	-	-	-
	Drain Pump	Max. lifting Height / Displacement	mm / Liter / h	-	-
		Air Filter	-	Removable / Washable	Removable / Washable
	Virus Doctor		-	Option	Option

1. Specification

Wind-Free 4Way Cassette (600x600)

Model Name	Indoor Unit			AC052RNNDKG/EU	AC071RNNDKG/EU
	Outdoor Unit			AC052RXADKG/EU	AC071RXADKG/EU
Power Supply				Ø, #, V, Hz	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	UG4T200FUAE4
	Type			Twin BLDC	Twin BLDC
	Output			kW	1.51
	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
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	51.0
	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	-	EGL Steel Plate	EGL Steel Plate
	Operating Temp. Range			°C	-15 ~ 50
			°C	-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

Wind-Free 4Way Cassette (600x600)

Performance Characteristics

Model Code	Net Weight (kg)	Capacity			Fan Speed	Airflow (CMM)	Sound Pressure Level (dBA)	Sound Power Level (dBA)
			Cooling (kW)	Heating (kW)				
AC026RNNDKG/EU	11.4	Max.	4.10	4.10	High	8.0	31	48
		Std.	2.60	3.40	Mid	7.0	28	
		Min.	0.87	0.98	Low	6.0	25	
AC035RNNDKG/EU	11.4	Max.	4.50	4.80	High	9.2	34	50
		Std.	3.50	4.00	Mid	8.0	30	
		Min.	0.88	1.00	Low	6.4	25	
AC052RNNDKG/EU	11.6	Max.	6.20	7.50	High	10.5	39	56
		Std.	5.00	5.50	Mid	9.5	34	
		Min.	1.30	1.30	Low	8.5	29	
AC071RNNDKG/EU	11.8	Max.	8.30	9.00	High	11.5	42	58
		Std.	6.80	7.50	Mid	10.5	39	
		Min.	1.50	1.90	Low	9.5	36	

NOTE

- Sound data is based on cooling operation.

Electric Characteristics

Model		Outdoor Unit				Input Current (Amperes)				Power Supply	
Indoor Unit	Outdoor Unit	Rated Hz	Voltage range		Outdoor Unit		Indoor Unit	Total	MCA(A)	MFA(A)	
			Volts	Min.	Max.	Cooling					Heating
AC026RNNDKG/EU	AC026RXADKG/EU	50	220 to 240	198	264	10	10	1.0	11.0	11.0	12.5
AC035RNNDKG/EU	AC035RXADKG/EU	50	220 to 240	198	264	10	10	1.0	11.0	11.0	12.5
AC052RNNDKG/EU	AC052RXADKG/EU	50	220 to 240	198	264	16.5	16.5	1.0	17.5	17.5	20.6
AC071RNNDKG/EU	AC071RXADKG/EU	50	220 to 240	198	264	16.5	16.5	1.0	17.5	17.5	20.6

NOTE

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

3. Capacity Table

Wind-Free 4Way Cassette (600x600)

(1) AC026RNNDKG/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	2.1	0.48	2.7	2.2	0.49	2.8	2.2	0.50	2.9	2.3	0.51	2.9	2.3	0.51	3.1	2.3	0.52	3.2	2.2	0.53
21	2.4	2.0	0.50	2.5	2.1	0.51	2.6	2.1	0.53	2.7	2.2	0.54	2.8	2.2	0.54	2.9	2.2	0.55	3.1	2.1	0.56
35	2.3	1.9	0.63	2.4	2.0	0.64	2.5	2.0	0.66	2.6	2.1	0.67	2.7	2.1	0.68	2.8	2.1	0.68	2.9	2.0	0.70
46	2.0	1.8	0.57	2.1	1.8	0.58	2.1	1.9	0.59	2.2	1.9	0.60	2.3	1.9	0.61	2.4	1.9	0.62	2.5	1.9	0.63

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	1.22	2.4	1.21	2.3	1.20	2.3	1.18	2.3	1.17	2.3	1.16
-15	3.0	1.41	3.0	1.39	3.0	1.38	2.9	1.37	2.9	1.35	2.9	1.34
-5	3.4	1.31	3.4	1.30	3.3	1.29	3.3	1.28	3.3	1.26	3.2	1.25
0	3.5	1.13	3.5	1.12	3.5	1.10	3.4	1.09	3.4	1.08	3.4	1.07
7	3.5	0.94	3.4	0.93	3.4	0.92	3.4	0.91	3.3	0.90	3.3	0.89
24	4.5	1.08	4.5	1.07	4.4	1.06	4.4	1.05	4.3	1.04	4.3	1.03

NOTE

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

3. Capacity Table

Wind-Free 4Way Cassette (600x600)

(2) AC035RNNDKG/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	2.6	0.74	3.6	2.7	0.75	3.7	2.8	0.77	3.9	2.9	0.78	3.9	2.8	0.79	4.1	2.8	0.80	4.3	2.8	0.81
21	3.3	2.5	0.78	3.4	2.6	0.79	3.6	2.6	0.81	3.7	2.7	0.82	3.7	2.7	0.83	3.9	2.7	0.84	4.1	2.6	0.86
35	3.1	2.4	0.97	3.3	2.4	0.99	3.4	2.5	1.01	3.5	2.6	1.03	3.6	2.6	1.04	3.7	2.5	1.05	3.9	2.5	1.07
46	2.6	2.3	0.87	2.8	2.3	0.89	2.9	2.4	0.91	3.0	2.5	0.93	3.0	2.4	0.94	3.2	2.4	0.95	3.3	2.4	0.96

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	2.8	1.59	2.8	1.58	2.8	1.56	2.7	1.54	2.7	1.53	2.7	1.51
-15	3.5	1.84	3.5	1.82	3.5	1.80	3.4	1.78	3.4	1.76	3.4	1.75
-5	4.0	1.71	4.0	1.70	3.9	1.68	3.9	1.66	3.8	1.65	3.8	1.63
0	4.2	1.47	4.1	1.45	4.1	1.44	4.0	1.43	4.0	1.41	4.0	1.40
7	4.1	1.22	4.0	1.21	4.0	1.20	4.0	1.19	3.9	1.18	3.9	1.16
24	5.3	1.41	5.3	1.39	5.2	1.38	5.1	1.37	5.1	1.35	5.0	1.34

NOTE

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

3. Capacity Table

Wind-Free 4Way Cassette (600x600)

(3) AC052RNNDKG/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	3.6	1.09	5.1	3.7	1.12	5.3	3.8	1.14	5.5	4.0	1.16	5.6	3.9	1.17	5.9	3.9	1.19	6.2	3.8	1.21
21	4.6	3.4	1.15	4.9	3.6	1.18	5.1	3.7	1.20	5.3	3.8	1.22	5.4	3.7	1.24	5.6	3.7	1.25	5.9	3.6	1.27
35	4.4	3.3	1.44	4.7	3.4	1.47	4.9	3.5	1.50	5.0	3.6	1.53	5.1	3.6	1.55	5.4	3.5	1.56	5.6	3.5	1.59
46	3.8	3.1	1.30	4.0	3.2	1.32	4.1	3.3	1.35	4.3	3.4	1.38	4.3	3.3	1.39	4.6	3.3	1.40	4.8	3.2	1.43
50	2.9	2.4	1.15	3.0	2.5	1.18	3.2	2.6	1.20	3.3	2.7	1.22	3.3	2.6	1.24	3.5	2.6	1.25	3.7	2.6	1.27

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	3.9	2.02	3.8	2.00	3.8	1.98	3.8	1.96	3.7	1.94	3.7	1.92
-15	4.9	2.33	4.8	2.30	4.8	2.28	4.7	2.26	4.7	2.23	4.6	2.21
-5	5.5	2.17	5.4	2.15	5.4	2.13	5.3	2.11	5.3	2.09	5.2	2.06
0	5.7	1.86	5.7	1.84	5.6	1.82	5.6	1.81	5.5	1.79	5.4	1.77
7	5.6	1.55	5.6	1.54	5.5	1.52	5.4	1.50	5.4	1.49	5.3	1.47
24	7.3	1.78	7.2	1.77	7.2	1.75	7.1	1.73	7.0	1.71	6.9	1.70

NOTE

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

3. Capacity Table

Wind-Free 4Way Cassette (600x600)

(4) AC071RNNDKG/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	6.6	4.5	1.97	7.0	4.7	2.01	7.3	4.8	2.05	7.5	5.0	2.09	7.6	4.9	2.11	8.0	4.9	2.13	8.4	4.8	2.17
21	6.3	4.3	2.07	6.6	4.4	2.11	6.9	4.6	2.16	7.1	4.7	2.20	7.3	4.7	2.22	7.6	4.6	2.24	8.0	4.5	2.29
35	6.0	4.1	2.59	6.3	4.2	2.64	6.6	4.4	2.70	6.8	4.5	2.75	6.9	4.5	2.78	7.3	4.4	2.81	7.6	4.3	2.86
46	5.1	3.9	2.33	5.4	4.0	2.38	5.6	4.2	2.43	5.8	4.3	2.48	5.9	4.2	2.50	6.2	4.2	2.52	6.5	4.1	2.57
50	3.9	3.1	2.07	4.1	3.2	2.11	4.3	3.3	2.16	4.4	3.4	2.20	4.5	3.4	2.22	4.7	3.3	2.24	5.0	3.3	2.29

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	5.3	3.71	5.2	3.68	5.2	3.64	5.1	3.60	5.1	3.57	5.0	3.53
-15	6.7	4.28	6.6	4.24	6.5	4.20	6.5	4.16	6.4	4.12	6.3	4.08
-5	7.5	4.00	7.4	3.96	7.4	3.92	7.3	3.88	7.2	3.84	7.1	3.80
0	7.8	3.43	7.7	3.39	7.7	3.36	7.6	3.33	7.5	3.29	7.4	3.26
7	7.7	2.86	7.6	2.83	7.5	2.80	7.4	2.77	7.4	2.74	7.3	2.72
24	9.9	3.28	9.8	3.25	9.8	3.22	9.7	3.19	9.6	3.16	9.5	3.12

NOTE

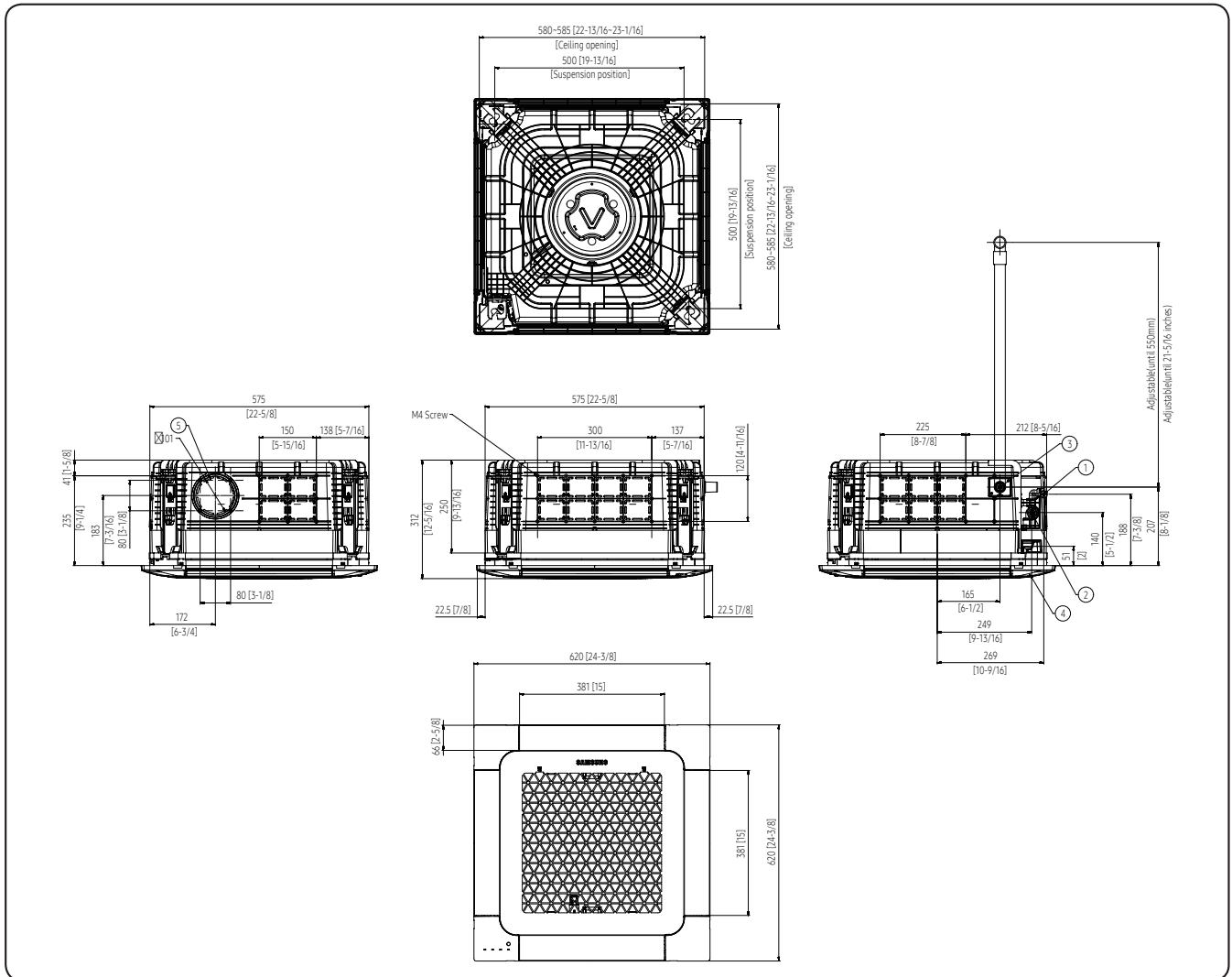
- The performance table shows the average value of each conditions.

4. Dimensional Drawing

Wind-Free 4Way Cassette (600x600)

AC026/035/052/071RNNDKG/EU

Units : mm [inches]



No.	Name	Description		
		AC026/035RNNDKG/EU	AC052RNNDKG/EU	AC071RNNDKG/EU
1	Liquid pipe connection	Φ6.35(1/4)		
2	Gas pipe connection	Φ9.52(3/8)	Φ12.7(1/2)	Φ15.88(3/8)
3	Drain pipe connection	VP-25(OD32, ID25)		
4	Power supply & Communication wiring conduit			
5	Sub duct connection	Use M4 Screw		
6	Fresh air intake knockout hole	Φ10[4] , Use M4 Screw		

NOTE

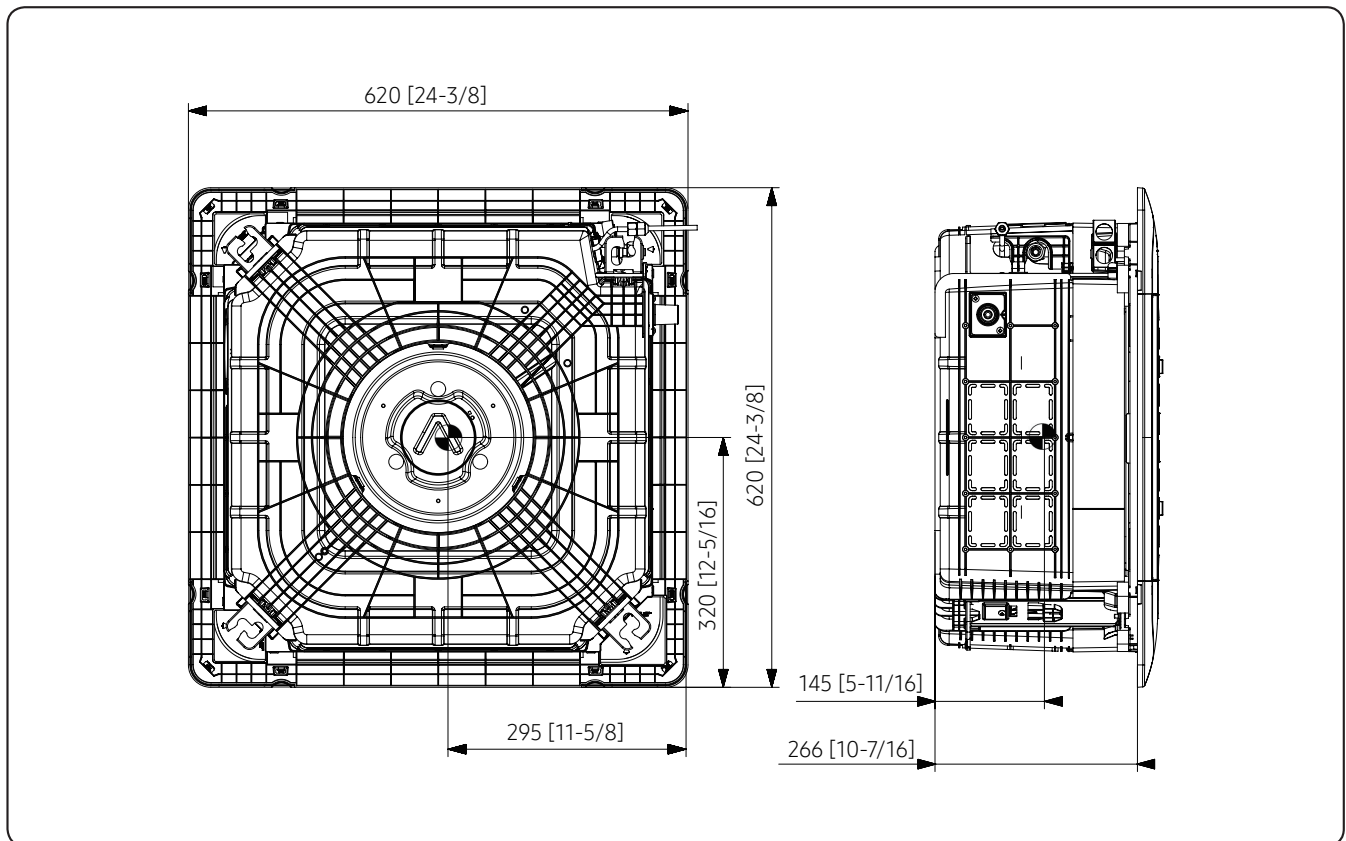
- As for suspension bolt, please use M8 ~ M10. (Procured at local site)

5. Center of Gravity

Wind-Free 4Way Cassette (600x600)

AC026/035/052/071RNNDKG/EU

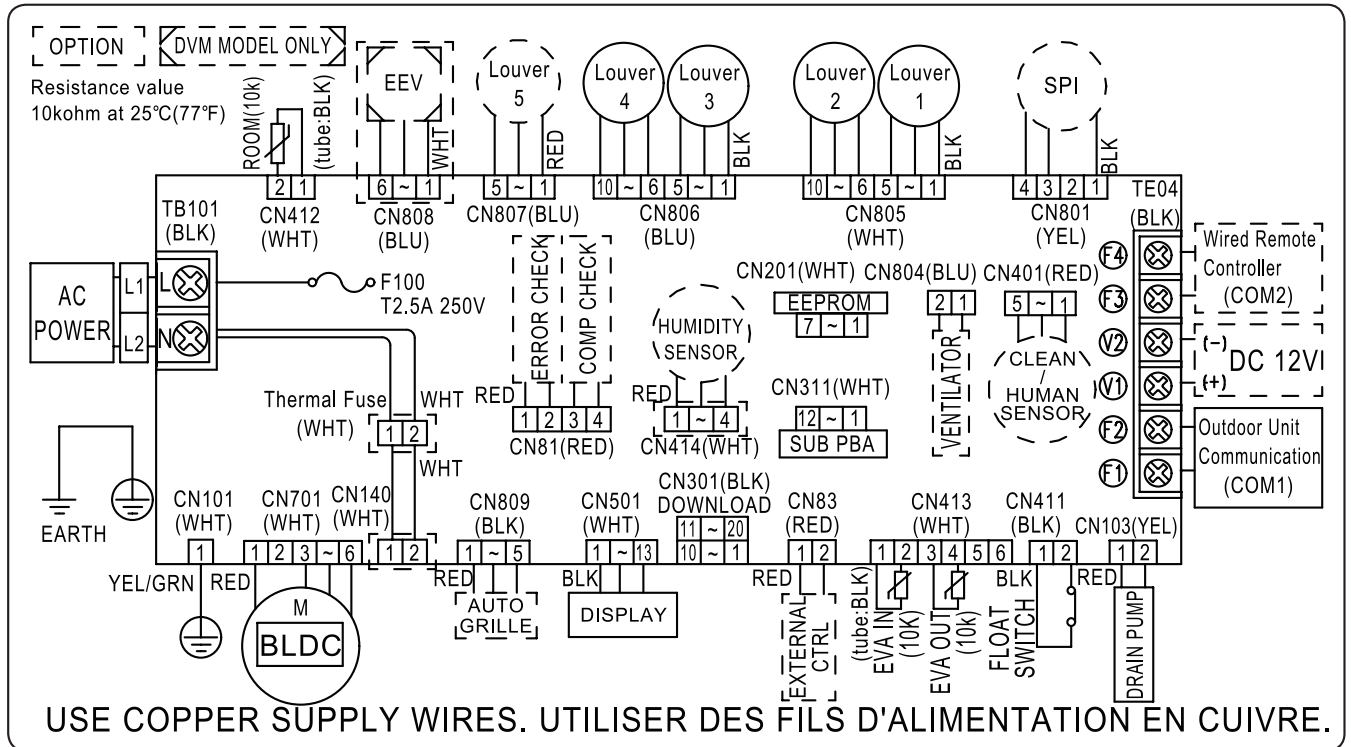
Units : mm [inches]



6. Electrical Wiring Diagram

Wind-Free 4Way Cassette (600x600)

AC026/035/052/071RNNDKG/EU



SPI	S-Plasma ion	EEV	Electronic Expansion Valve	ROOM	Thermistor ROOM in (10K)
FLOAT SWITCH	Switch of the float of Drain	EVA-IN	Thermistor EVA IN(10K)	EVA-OUT	Thermistor EVA OUT(10K)

NOTE

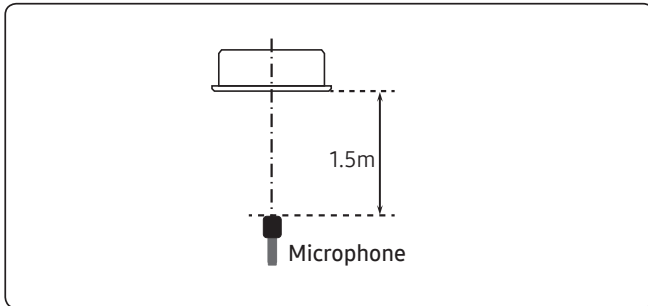
- This wiring diagram applies only to the Indoor unit.
- Symbols show as follow :
blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue: grn: green
- For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remote controller transmission F3-F4.
- Protective earth(screw)

7. Sound Data

Wind-Free 4Way Cassette (600x600)

Sound Pressure level

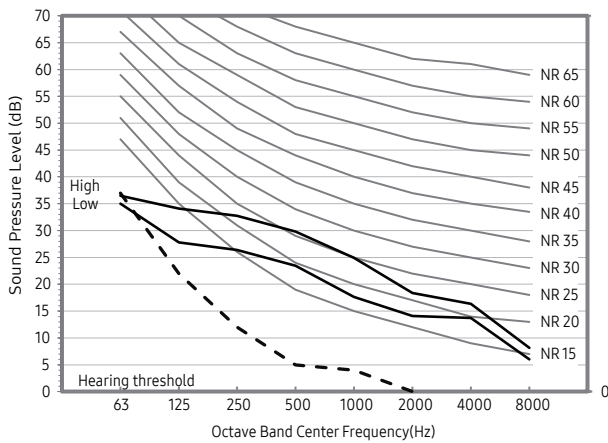
Unit: dB(A)



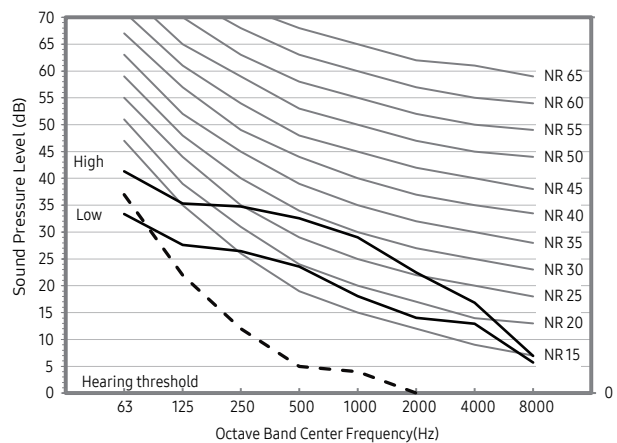
Model	HIGH	MID	LOW
AC026RNNDKG/EU	31	28	25
AC035RNNDKG/EU	34	30	25
AC052RNNDKG/EU	39	34	29
AC071RNNDKG/EU	42	40	36

- NR Curve

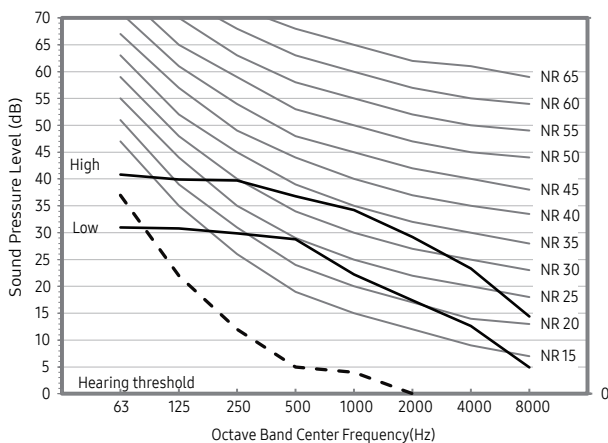
1) AC026RNNDKG/EU



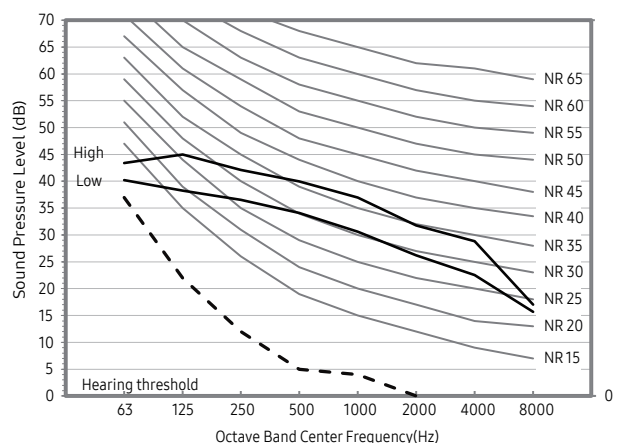
2) AC035RNNDKG/EU



3) AC052RNNDKG/EU



4) AC071RNNDKG/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.
 - dB(A) = A weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20μPa

7. Sound Data

Wind-Free 4Way Cassette (600x600)

Sound Power level

NOTE

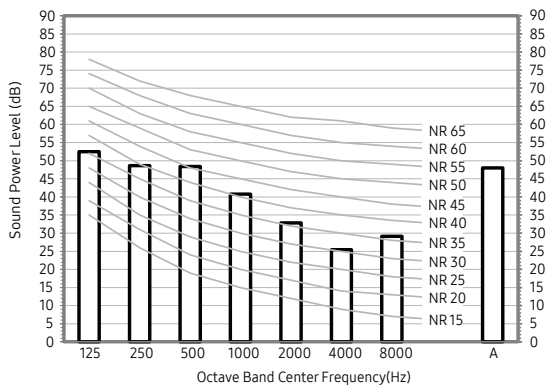
- Specifications may be subject to change without prior notice
 - Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level.
 - Reference power : 1pW.
 - Measured according to ISO 3741.

Unit: dB(A)

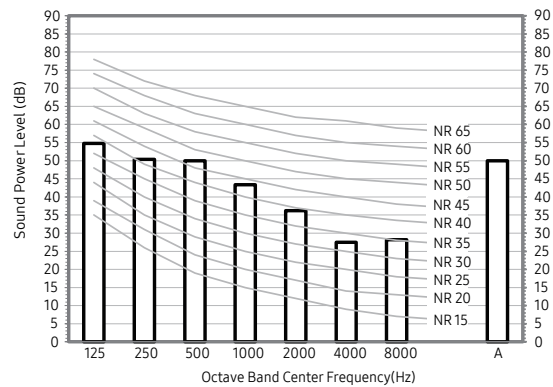
Model	Power
AC026RNNDKG/EU	48
AC035RNNDKG/EU	50
AC052RNNDKG/EU	56
AC071RNNDKG/EU	58

• NR Curve

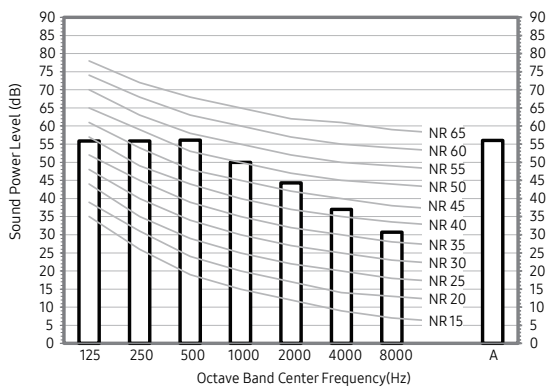
1) AC026RNNDKG/EU



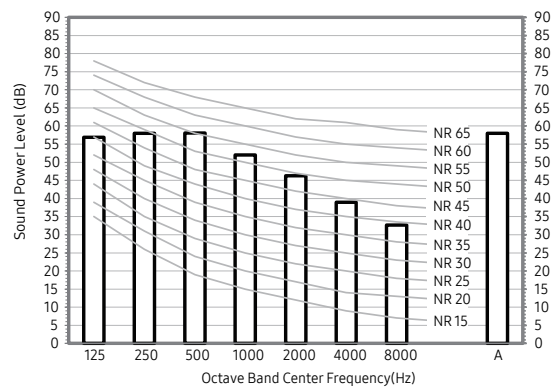
2) AC035RNNDKG/EU



3) AC052RNNDKG/EU



4) AC071RNNDKG/EU



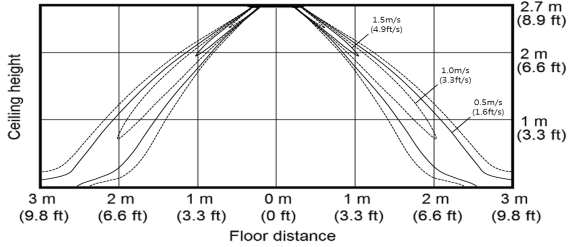
8. Temperature and air flow distribution

Wind-Free 4Way Cassette (600x600)

AC026RNNDKG/EU

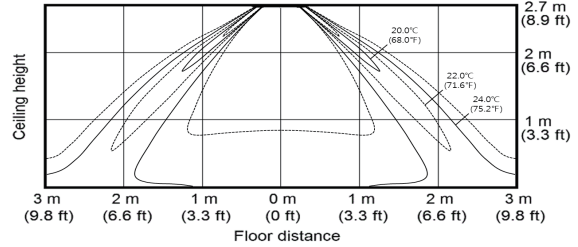
- Cooling Air Velocity distribution

(Discharge angle : 41 degree)



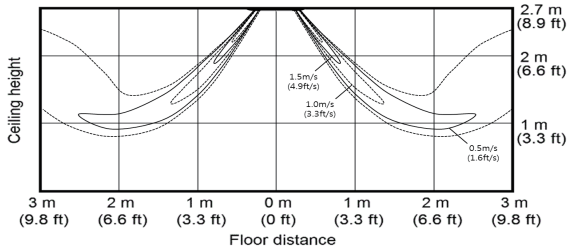
- Cooling temperature distribution

(Discharge angle : 41 degree)



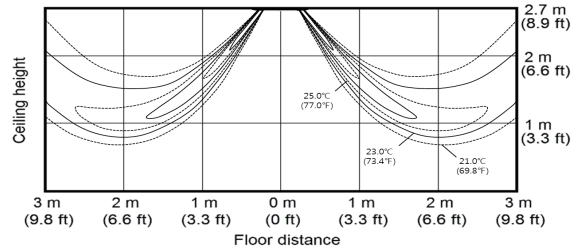
- Heating Air Velocity distribution

(Discharge angle : 56 degree)



- Heating temperature distribution

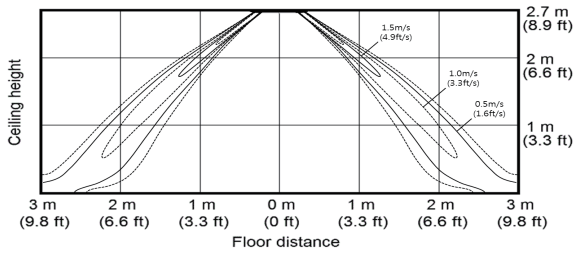
(Discharge angle : 56 degree)



AC035RNNDKG/EU

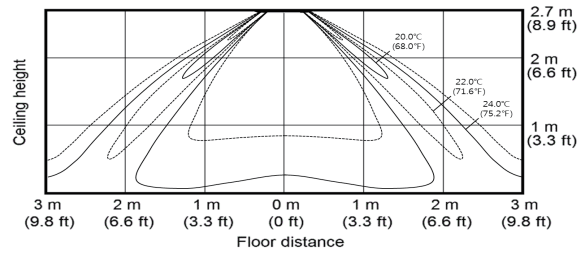
- Cooling Air Velocity distribution

(Discharge angle : 41 degree)



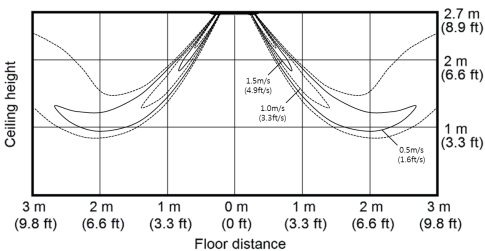
- Cooling temperature distribution

(Discharge angle : 41 degree)



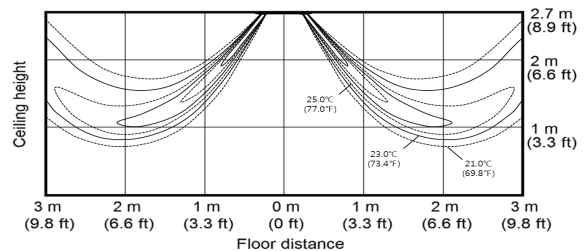
- Heating Air Velocity distribution

(Discharge angle : 56 degree)



- Heating temperature distribution

(Discharge angle : 56 degree)



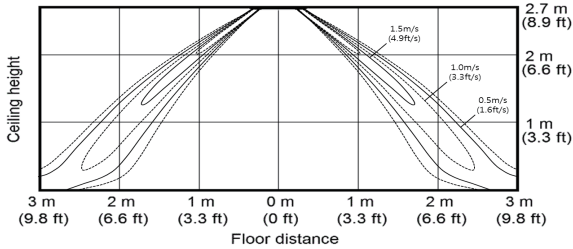
8. Temperature and air flow distribution

Wind-Free 4Way Cassette (600x600)

AC052RNNDKG/EU

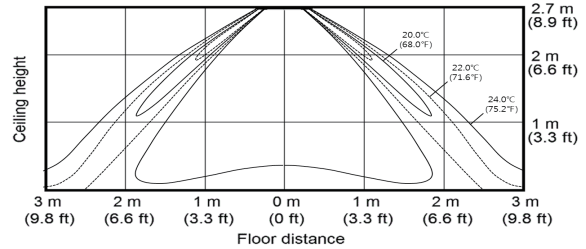
- Cooling Air Velocity distribution

(Discharge angle : 41 degree)



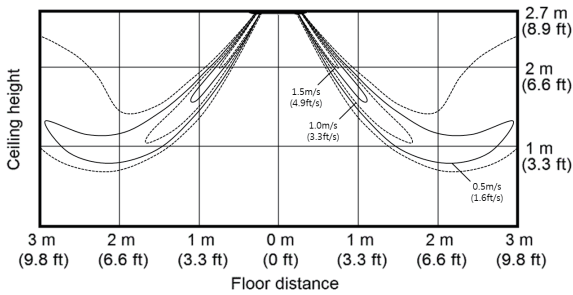
- Cooling temperature distribution

(Discharge angle : 41 degree)



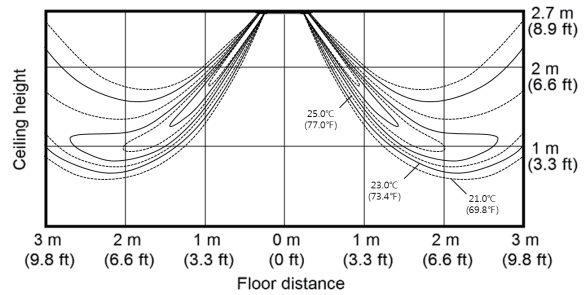
- Heating Air Velocity distribution

(Discharge angle : 56 degree)



- Heating temperature distribution

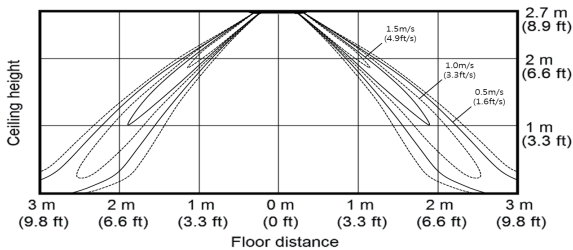
(Discharge angle : 56 degree)



AC071RNNDKG/EU

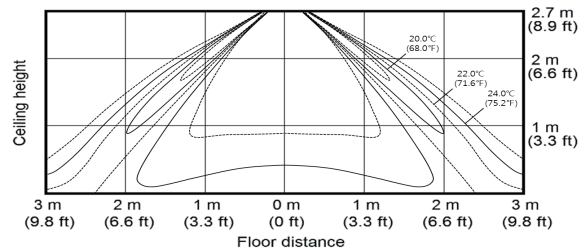
- Cooling Air Velocity distribution

(Discharge angle : 41 degree)



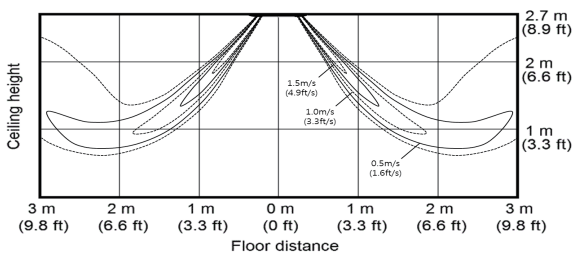
- Cooling temperature distribution

(Discharge angle : 41 degree)



- Heating Air Velocity distribution

(Discharge angle : 56 degree)



- Heating temperature distribution

(Discharge angle : 56 degree)

