

SAMSUNG

SINGLE

Technical

Data Book

SINGLE for Europe
(R32, Heat Pump)



Model : AC****N**KG/EU (Indoor Unit), AC***RXADK*G/EU (Outdoor Unit)

History

Version	Modification	Date	Remark
Ver.1.0	Released Single for Europe (R32, HP) TDB	'18. 12. 20	
Ver.2.0	Added 2019 new line up (4Way, 360, Duct, RAC, Console, Ceiling)	'19. 02. 22	
Ver.2.1	Updated the Wind-Free 1Way CST Dimensional Drawing page	'19. 09. 27	
Ver.3.0	Added 2020 new line up (Wind-Free™)	'20. 02. 19	
Ver.3.1	Updated the Temperature and air flow distribution of AC035TNADKG/EU model.	'20. 03. 26	
Ver.4.0	Updated the LSP Duct AC026/035/052/071BNLDKG/EU model.	'22. 06. 16	
Ver.4.1	Updated some error	'24. 02. 21	

Features & Benefits

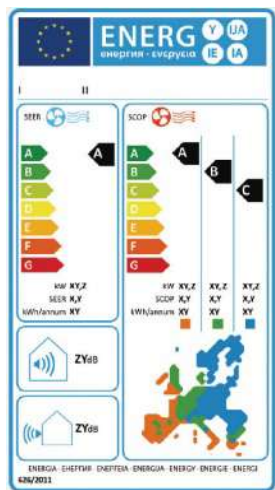
CAC - World-class energy efficiency

Maintain optimal comfort and control with energy and cost-efficient technologies

Featuring a suite of energy-optimizing technologies, Samsung CAC Single delivers top-class energy efficiency to support business in saving costs and the environment. Plus, CAC Single with its smart technologies fully complies with new European Union (EU) regulations for more efficient performance.

Small package, big performance

The Samsung Ceiling Type air conditioner boasts a slim, compact design—half the size of conventional products—with cooling power comparable to larger units.



New Energy Label

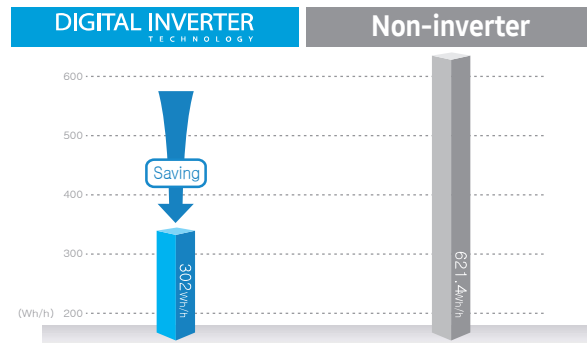
*Table 1: Introduction of revised energy consumption labelling for air conditioners as per EU Directive 2011/626/EU

Quick, efficient heating and cooling

Smart inverter technology offers powerful, quick cooling and heating with minimal electricity consumption, which means real cost savings and less energy waste. The EU has established new regulations to drastically cut the power consumption of air conditioners. Inefficient units will be gradually withdrawn from the market starting in 2013. To further support this initiative, the EU is introducing an improved energy labeling system to provide consumers a better idea of how much electricity their units consume.

Up to 50 percent less energy use

After reaching changes its operation mode to economical. By avoiding inefficient and frequent switching on and off of the compressor, the digital inverter saves up to 50 percent in energy consumption compared to non-inverter air conditioners.



Multi-unit operation

Instead of connecting just one indoor unit, users can connect two, three or four indoor units with a single outdoor unit for more efficient cooling and heating. The indoor units operate and are controlled simultaneously as one cycle within the same mode via one remote controller for up to four rooms. This system is ideal for spaces requiring multiple indoor units, such as open-plan offices or shops.

Outdoor Unit Capacity	2 Rooms	3 Rooms	4 Rooms
7.1kW	3.5 + 3.5		
10kW	5.2 + 5.2		
12kW		5.2 + 5.2 + 5.2	
14kW	7.1 + 7.1	5.2 + 5.2 + 5.2	3.5 + 3.5 + 3.5 + 3.5

All types of indoor units are available except console. (the same models only)

Features & Benefits

CAC Single - Superior performance

Stabilize the atmosphere with broad temperature allowance and control

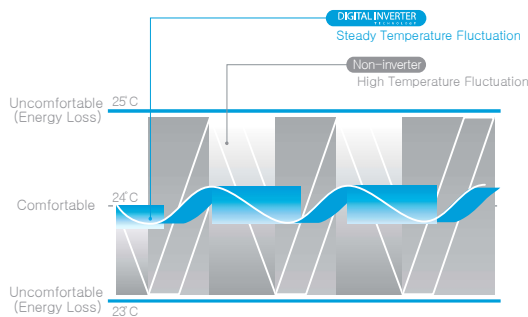
Samsung is dedicated to supporting comfortable living and working environments based on the strength of its technologies. With a single unit, CAC Single delivers reliable comfort and control over multiple areas to ensure a pleasant atmosphere in any climate.

Wide temperature performance

No matter how extreme the temperature, the high-performing CAC Single can handle the condition—without the need for an additional unit. Featuring a wide temperature allowance, it can cool in heat of up to 50 and provide warmth in the freezing cold of -20°C to ensure a constant and comfortable home environment.

Ideal comfort in minutes

The CAC Single digital inverter air conditioner works at maximum capacity at startup. As soon as the temperature reaches the desired or set temperature, CAC Single performs fine adjustments to cope with any changes. This means less temperature fluctuation and ideal comfort in a matter of minutes.



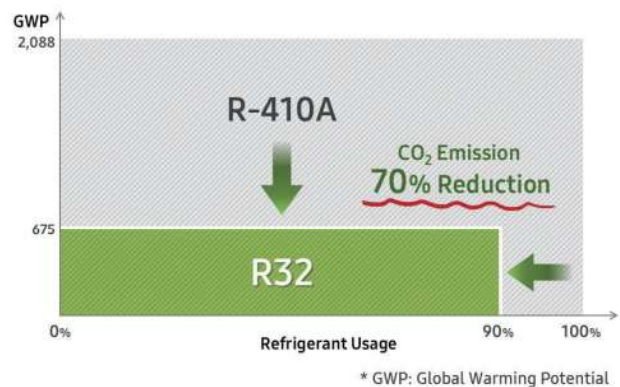
Versatile piping installation

CAC Single outdoor units offer a selection of pipe directions. The internal pipe connection ports allow four different pipe directions, supporting a neater, more organized-looking unit upon installation.



Low CO₂ Emission

Introducing R32 CAC makes it possible to reduce 70% of CO₂ Emission.



Nomenclature

Indoor Unit

Model Name

AC	052	R	N	4	D	K	G	/	EU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		Buyer

(1) Classification

AC	CAC
----	-----

(2) Capacity

x1/10 kW (3 digits)

(3) Version

N	2018
R	2019
T	2020
B	2022

(4) Product Type

N	Indoor Unit
X	Outdoor Unit

(5) Product Notation

1	1 Way Cassette Wind-Free 1Way Cassette
N	4 Way Cassette (600x600) Wind-Free 4 Way Cassette (600x600)
4	4 Way Cassette, 360 Cassette Wind-Free 4 Way Cassette
L	LSP Duct
M	MSP Duct
C	Ceiling
J	Console
A	A3050 (Wall Mounted)
T	MAX (Wall Mounted)
X	Wind-Free™ (Wall Mounted)

(6) Feature

F	Flagship
S	Standard
D	Deluxe
P	Premium

(7) Rating Voltage

K	1Φ, 220~240V, 50Hz
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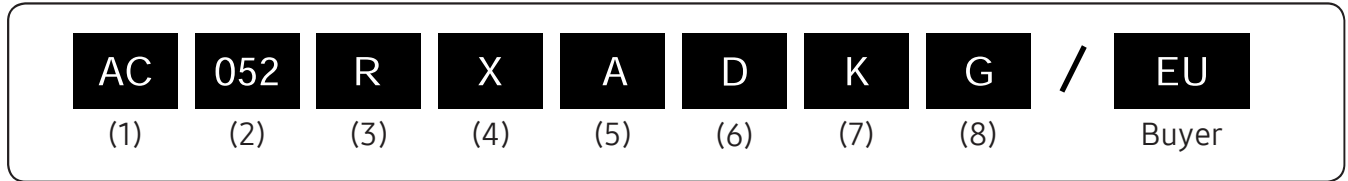
(8) Mode

G	Heat Pump (R32)
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Nomenclature

Outdoor Unit

Model Name



(1) Classification

AC	CAC
----	-----

(5) Product Notation

A,1	Inv+Side+General Temp
-----	-----------------------

(2) Capacity

	X1/10 kW (3 digits)
--	---------------------

(6) Feature

F	Flagship
S	Standard
D	Deluxe
P	Premium

(3) Version

N	2018
R	2019

(7) Rating Voltage

K	1Φ, 220~240V, 50Hz
N	3Φ, 380~415V, 50Hz

(4) Product Type











































N	Indoor Unit
X	Outdoor Unit

(8) Mode

G	Heat Pump (R32)
---	-----------------

Line-up

Indoor unit

Model	Capacity (kW)						
	2.6	3.5	5.2 (5.0)	7.1	10.0 (9.5)	12.0	13.4
Wind-Free 1Way Cassette							
Wind-Free 4Way Cassette (600 x 600)							
Wind-Free 4Way Cassett							
360 Cassette							
LSP Duct							
MSP Duct							
Wall-mounted							
							
Ceiling							
Console							

Line-up

Outdoor Unit

Model	Capacity (kW)						
	2.6	3.5	5.2 (5.0)	7.1	10.0 (9.5)	12.0	13.4
1Phase							
3Phase							

Contents

Wind-Free 1Way Cassette	10
Wind-Free 4Way Cassette (600x600)	23
Wind-Free 4Way Cassette	43
360 Cassette	71
LSP Duct	101
MSP Duct	124
Wall Mounted Type (Wind-Free™)	161
Wall Mounted Type (A3050)	183
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Wind-Free 1Way Cassette

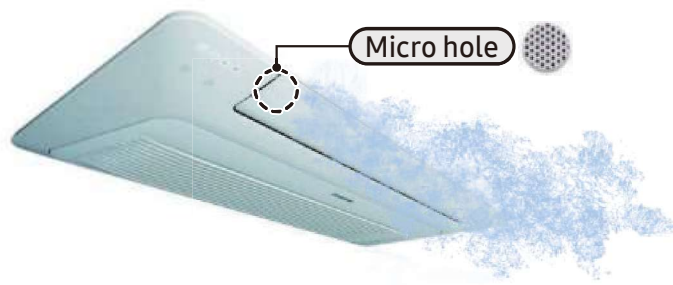
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Features & Benefits

Wind-Free 1Way Cassette

1. Wind-Free cooling

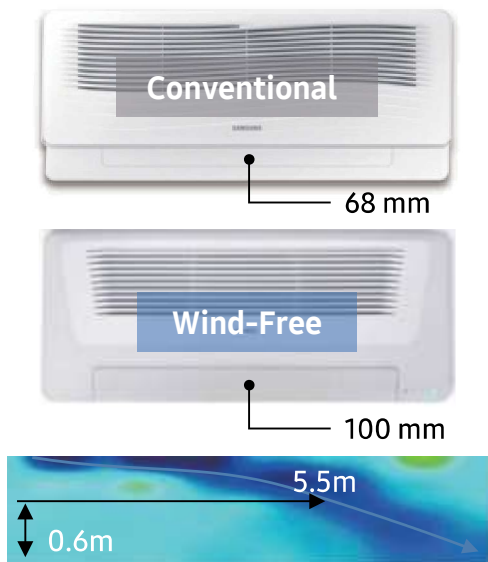
Comfort wind implementation by Wind-Free cooling



※ Wind-Free implementation : Still air by the velocity of flow below 0.15m/s.

2. Big blade

Max. 5.5m Horizontal reach

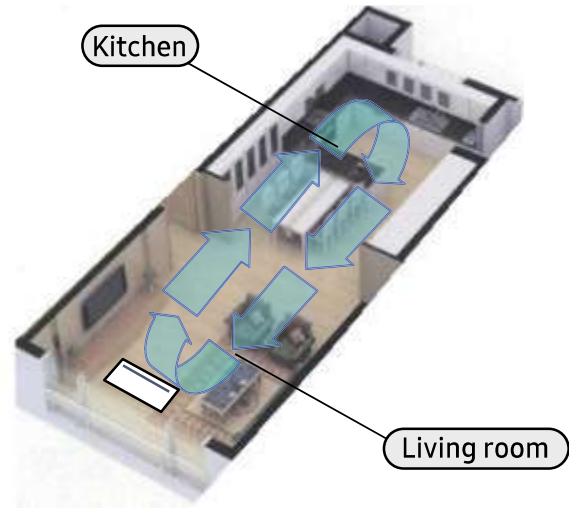


※ Reach : 5.5m (Height 0.6m, Wind speed 0.3m/s)
Conventional product (Samsung) : 3m

※ Based on Wind-Free 1Way 3.5kW

3. Even cooling

Even cooling For spacious space



※ Expand the blade angle from 30° to 80°
Conventional product (Samsung) : 40~80°

1. Specification

Wind-Free 1Way Cassette

Model Name	Indoor Unit			AC026RN1DKG/EU	AC035RN1DKG/EU
	Outdoor Unit			AC026RXADKG/EU	AC035RXADKG/EU
Mode				-	HEAT PUMP
Performance	Capacity (Min/Std/Max)	Cooling	kW	0.82 / 2.60 / 3.80	0.85 / 3.50 / 4.20
			Btu/h	2,800 / 8,870 / 12,970	2,900 / 11,940 / 14,330
		Heating	kW	0.98 / 3.30 / 4.40	1.00 / 4.00 / 5.00
			Btu/h	3,340 / 11,260 / 15,000	3,410 / 13,650 / 17,060
Power	Power Input (Min/Std/Max)	Cooling	kW	0.17 / 0.72 / 1.16	0.18 / 1.09 / 1.40
		Heating	kW	0.20 / 1.01 / 1.45	0.19 / 1.28 / 1.80
	Current Input (Min/Std/Max)	Cooling	A	1.2 / 3.8 / 5.4	1.6 / 5.3 / 7.5
		Heating	A	1.4 / 5.0 / 7.0	1.3 / 6.2 / 10.5
	Current	MCA	A	11.0	11.0
		MFA	A	12.5	12.5
Efficiency	EER	Cooling	-	3.61	3.21
	COP	Heating	-	3.26	3.12
	SEER (Cooling Energy Grade)		-	6.4 (A++)	6.2 (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 ₂ e		0.61	0.61

1. Specification

Wind-Free 1Way Cassette

	Indoor Unit		AC026RN1DKG/EU		AC035RN1DKG/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)	m ³ /min	7.3 / 6.5 / 5.8		9.0 / 8.2 / 7.2
			l/s	121.6 / 108.3 / 96.6		150 / 136.6 / 120
		Heating (H/M/L)	m ³ /min	8.5 / 7.2 / 6.5		10.0 / 8.4 / 7.3
l/s			141.6 / 120 / 108.3		166.6 / 140 / 121.6	
Fan Motor	Type		-	BLDC		BLDC
	Output		W x n	27		27
Drain	Drain Pipe		Φ, mm	VP-20(OD26, ID20)		VP-20(OD26, ID20)
Sound	Sound Pressure Level	High/Mid/Low/(Silent)	dB(A)	32 / 29 / 26 / 25		35 / 32 / 29 / 28
	Sound Power Level		dB(A)	52		55
External Dimension	Net Weight		kg	9.2		9.2
	Shipping Weight		kg	12.0		12.0
	Net Dimensions (WxHxD)		mm	970 x 135 x 410		970 x 135 x 410
	Shipping Dimensions (WxHxD)		mm	1,173 x 231 x 487		1,173 x 231 x 487
Casing	Material		-	ABS		ABS
Indoor Unit Panel (1)	Model Name		-	PC1NWFMAN		PC1NWFMAN
	Type		-	Wind-Free Type		Wind-Free Type
	Material		-	HIPS		HIPS
	Color		-	DA White		DA White
	Net Weight		kg	4.3		4.3
	Shipping Weight		kg	6.3		6.3
	Net Dimensions (WxHxD)		mm	1,198 x 35 x 500		1,198 x 35 x 500
	Shipping Dimensions (WxHxD)		mm	1,262 x 122 x 566		1,262 x 122 x 566
Panel (2)	Model Name		-	PC1NWSMAN		PC1NWSMAN
	Type		-	Fluid Type		Fluid Type
	Material		-	ABS		ABS
	Color		-	White		White
	Net Weight		kg	5.5		5.5
	Shipping Weight		kg	7.2		7.2
	Net Dimensions (WxHxD)		mm	1,198 x 25 x 500		1,198 x 25 x 500
	Shipping Dimensions (WxHxD)		mm	1,275 x 152 x 580		1,275 x 152 x 580
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		-	-		-

1. Specification

Wind-Free 1Way Cassette

Model Name	Indoor Unit			AC026RN1DKG/EU	AC035RN1DKG/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.

2. Summary Table

Wind-Free 1Way Cassette

Performance Characteristics

Model Code	Net Weight (kg)	Capacity		Fan Speed	Airflow (CMM)	Sound Pressure Level (dBA)	Sound Power Level (dBA)	
		Cooling (kW)	Heating (kW)					
AC026RN1DKG/EU	9.5	Max.	3.80	4.40	High	7.3	32	54
		Std.	2.60	3.30	Mid	6.5	29	
		Min.	0.82	0.98	Low	5.8	26	
AC035RN1DKG/EU	9.5	Max.	4.20	5.00	High	9.0	35	57
		Std.	3.50	4.00	Mid	8.2	32	
		Min.	0.85	1.00	Low	7.2	29	

NOTE

- Sound data is based on cooling operation.

Electric Characteristics

Model		Outdoor Unit				Maximum Input Current [A]				Power Supply	
Indoor Unit	Outdoor Unit	Rated	Voltage range		Outdoor Unit		Indoor Unit	Total	MCA	MFA	
		Hz	Volts	Min.	Max.	Cooling					Heating
AC026RN1DKG/EU	AC026RXADKG/EU	50	220 to 240	198	264	10	10	1.0	11.0	11.0	12.5
AC035RN1DKG/EU	AC035RXADKG/EU	50	220 to 240	198	264	10	10	1.0	11.0	11.0	12.5

NOTE

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

3. Capacity Table

Wind-Free 1Way Cassette

(1) AC026RN1DKG/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	0.52	2.7	2.0	0.53	2.8	2.0	0.54	2.9	2.1	0.55	2.9	2.1	0.55	3.1	2.1	0.56	3.2	2.0	0.57
21	2.4	1.8	0.54	2.5	1.9	0.55	2.6	1.9	0.56	2.7	2.0	0.58	2.8	2.0	0.58	2.9	2.0	0.59	3.1	1.9	0.60
35	2.3	1.7	0.68	2.4	1.8	0.69	2.5	1.8	0.71	2.6	1.9	0.72	2.7	1.9	0.73	2.8	1.9	0.73	2.9	1.8	0.75
46	2.0	1.7	0.61	2.1	1.7	0.62	2.1	1.8	0.64	2.2	1.9	0.65	2.3	1.8	0.65	2.4	1.8	0.66	2.5	1.8	0.67

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	1.34	2.3	1.33	2.3	1.31	2.3	1.30	2.2	1.29	2.2	1.27		
-15	2.9	1.55	2.9	1.53	2.9	1.52	2.8	1.50	2.8	1.48	2.8	1.47		
-5	3.3	1.44	3.3	1.43	3.2	1.41	3.2	1.40	3.2	1.39	3.1	1.37		
0	3.4	1.24	3.4	1.22	3.4	1.21	3.3	1.20	3.3	1.19	3.3	1.18		
7	3.4	1.03	3.3	1.02	3.3	1.01	3.3	1.00	3.2	0.99	3.2	0.98		
24	4.4	1.18	4.3	1.17	4.3	1.16	4.2	1.15	4.2	1.14	4.2	1.13		

(2) AC035RN1DKG/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	2.5	0.78	3.6	2.6	0.80	3.7	2.7	0.81	3.9	2.8	0.83	3.9	2.7	0.84	4.1	2.7	0.84	4.3	2.6	0.86
21	3.3	2.4	0.82	3.4	2.5	0.84	3.6	2.5	0.85	3.7	2.6	0.87	3.7	2.6	0.88	3.9	2.6	0.89	4.1	2.5	0.91
35	3.1	2.3	1.03	3.3	2.4	1.05	3.4	2.4	1.07	3.5	2.5	1.09	3.6	2.5	1.10	3.7	2.5	1.11	3.9	2.4	1.13
46	2.6	2.1	0.92	2.8	2.2	0.94	2.9	2.3	0.96	3.0	2.3	0.98	3.0	2.3	0.99	3.2	2.3	1.00	3.3	2.3	1.02

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	1.70	2.8	1.68	2.8	1.66	2.7	1.65	2.7	1.63	2.7	1.61		
-15	3.5	1.96	3.5	1.94	3.5	1.92	3.4	1.90	3.4	1.88	3.4	1.86		
-5	4.0	1.83	4.0	1.81	3.9	1.79	3.9	1.77	3.8	1.76	3.8	1.74		
0	4.2	1.57	4.1	1.55	4.1	1.54	4.0	1.52	4.0	1.51	4.0	1.49		
7	4.1	1.31	4.0	1.29	4.0	1.28	4.0	1.27	3.9	1.25	3.9	1.24		
24	5.3	1.50	5.3	1.49	5.2	1.47	5.1	1.46	5.1	1.44	5.0	1.43		

NOTE

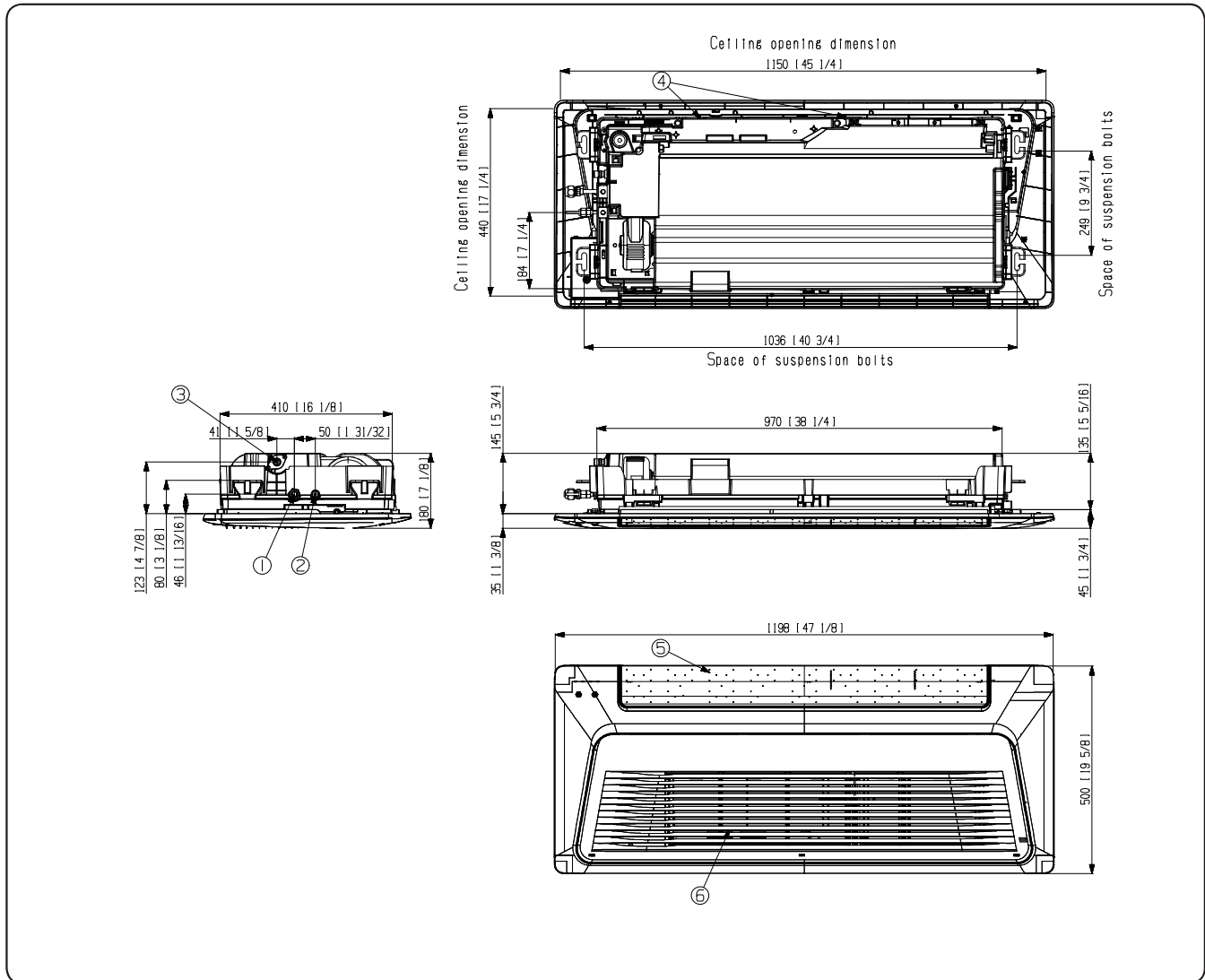
- The performance table shows the average value of each conditions.

4. Dimensional Drawing

Wind-Free 1Way Cassette

AC026/035RN1DKG/EU

Units : mm [inches]



No.	Name	Description
1	Gas pipe connection	Φ 9.52 (3/8)
2	Liquid pipe connection	Φ 6.35 (1/4)
3	Drain pipe connection	VP-20 (OD26, ID20)
4	Power supply & Communication wiring conduit	-
5	Air outlet louver	-
6	Air inlet grille	-

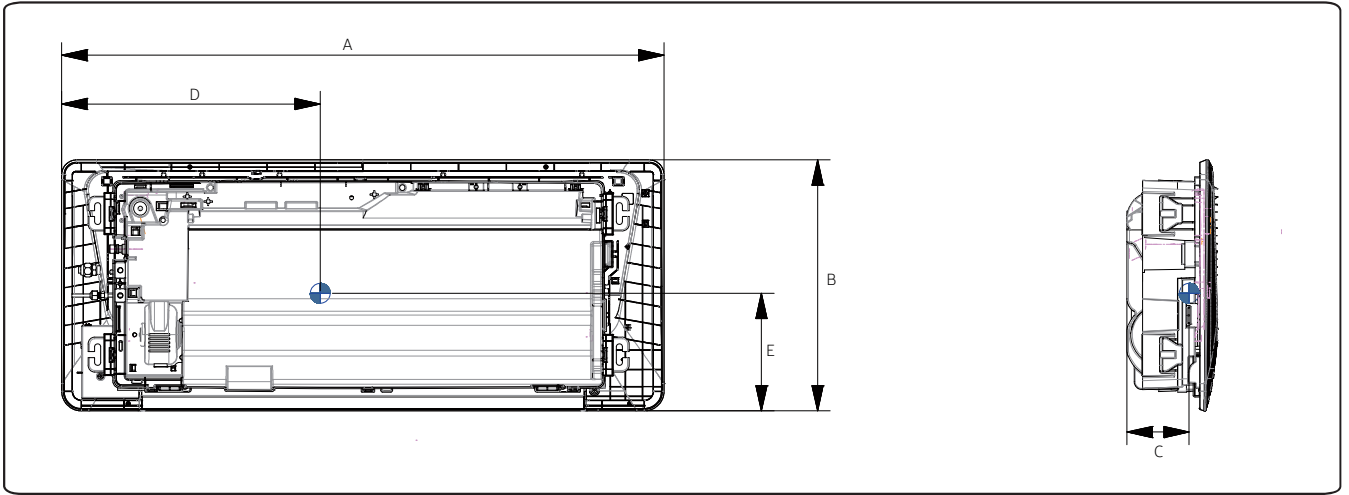
NOTE

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

5. Center of Gravity

Wind-Free 1Way Cassette

Units : mm [inches]

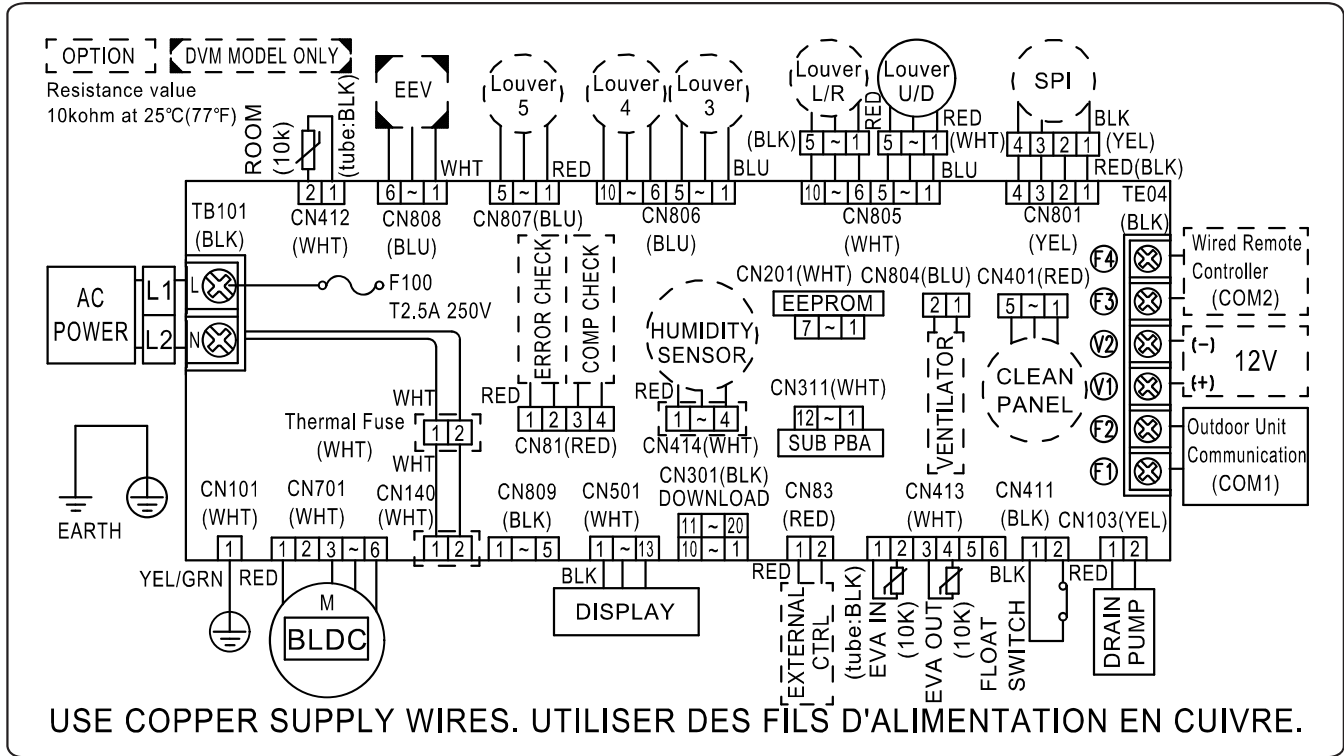


Model	A	B	C	D	E
AC026/035RN1DKG/EU	1,198 [47-3/16]	500 [19-11/16]	108 [4-1/2]	555 [21-7/8]	200 [7-7/8]

6. Electrical Wiring Diagram

Wind-Free 1Way Cassette

AC026/035RN1DKG/EU



SPI	S-Plasma ion	EEV	Electronic Expansion Valve	ROOM	Thermistor ROOM in (10K)
FLOAT SWITCH	Check the FLOATING S/W	EVA-IN	Thermistor EVA IN(10K)	EVA-OUT	Thermistor EVA OUT(10K)

NOTE

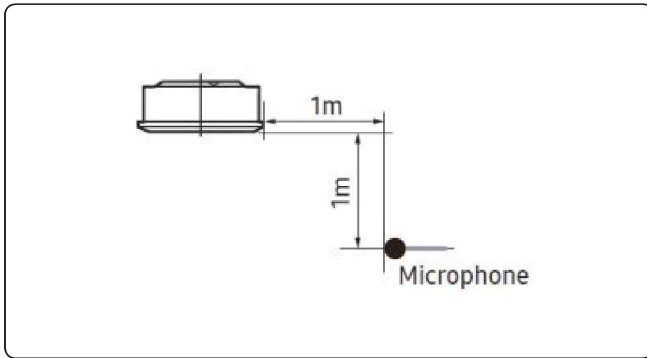
- This wiring diagram applies only to the Indoor unit.
- Symbols show as follow :
blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue: grn: green
- For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remote controller transmission F3-F4.
- (⊕) Protective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

7. Sound Data

Wind-Free 1Way Cassette

Sound Pressure level

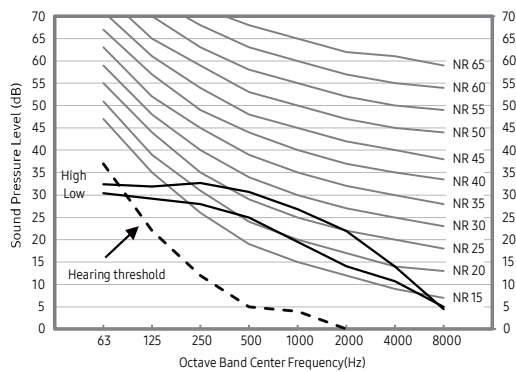
Unit: dB(A)



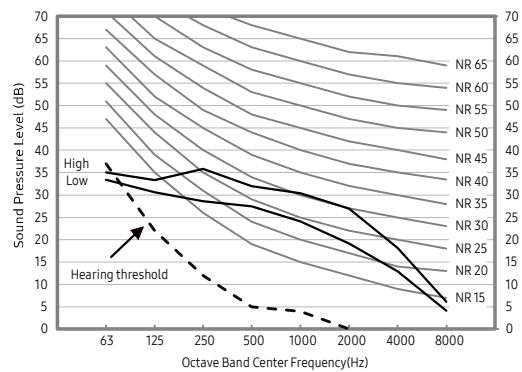
Model	HIGH	MID	LOW
AC026RN1DKG/EU	32	29	26
AC035RN1DKG/EU	35	32	29

- NC Curve

1) AC026RN1DKG/EU



2) AC035RN1DKG/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

Wind-Free 1Way Cassette

Sound Power level

NOTE

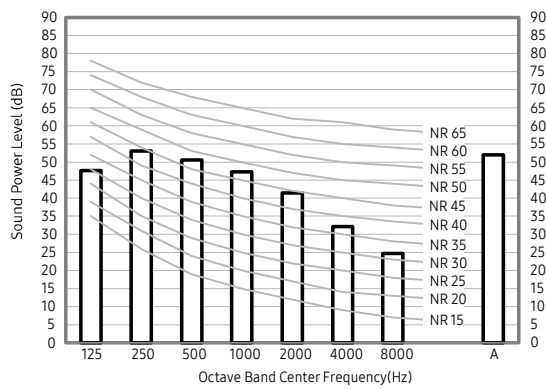
- Specifications may be subject to change without prior notice
 - Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level.
 - Reference power : 1pW.
 - Measured according to ISO 3741.

Unit: dB(A)

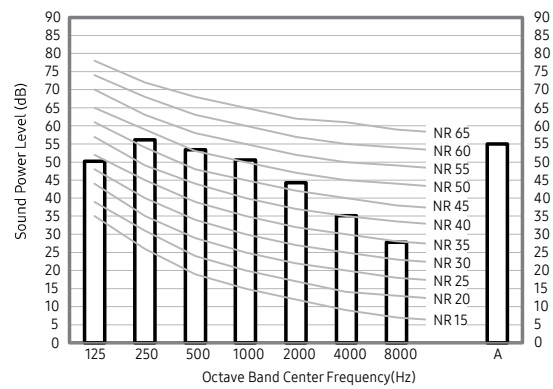
Model	Power
AC026RN1DKG/EU	52
AC035RN1DKG/EU	55

• NR Curve

1) AC026RN1DKG/EU



2) AC035RN1DKG/EU



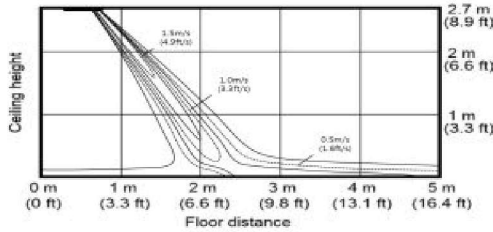
8. Temperature and airflow distribution

Wind-Free 1Way Cassette

AC026RN1DKG/EU

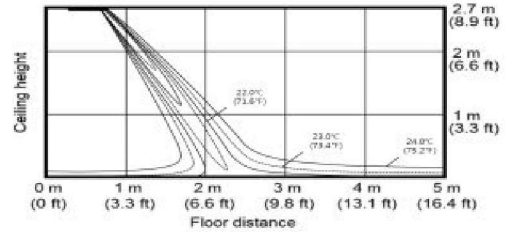
- Cooling Air Velocity distribution

(Discharge angle : 60 degree)



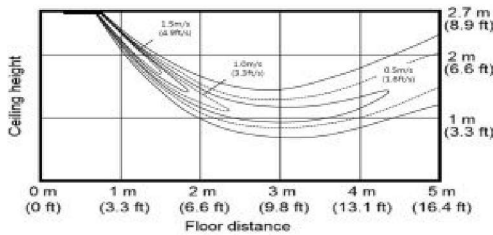
- Cooling temperature distribution

(Discharge angle : 60 degree)



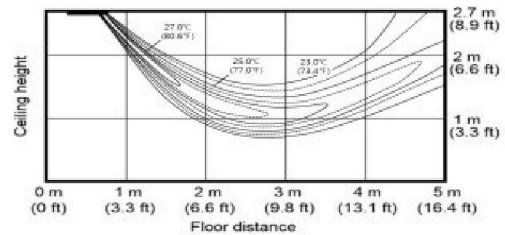
- Heating Air Velocity distribution

(Discharge angle : 60 degree)



- Heating temperature distribution

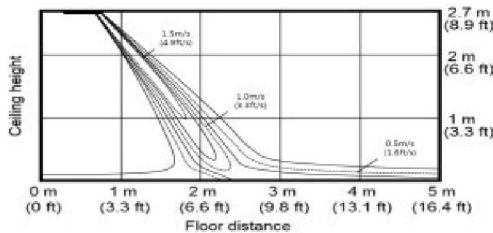
(Discharge angle : 60 degree)



AC035RN1DKG/EU

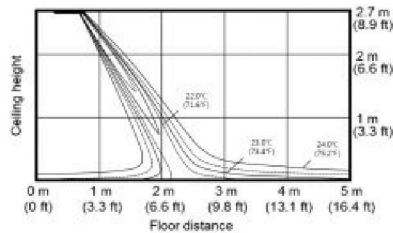
- Cooling Air Velocity distribution

(Discharge angle : 60 degree)



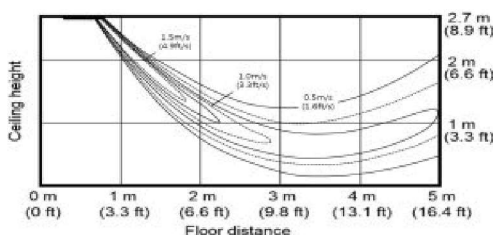
- Cooling temperature distribution

(Discharge angle : 60 degree)



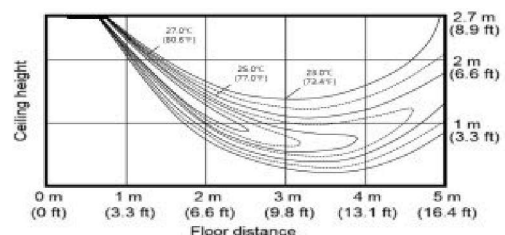
- Heating Air Velocity distribution

(Discharge angle : 60 degree)



- Heating temperature distribution

(Discharge angle : 60 degree)



Wind-Free 4Way Cassette (600x600)

1. Specification	25
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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.

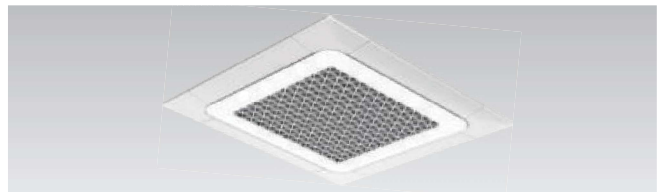
Attractive panel and display

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.



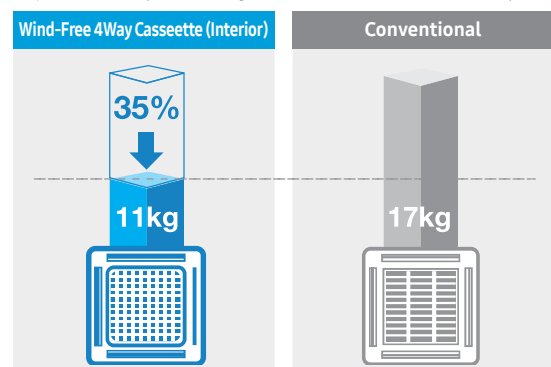
Ultra-compact size

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
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.	20	20
Elevation			15	15	
Chargeless			20	20	
Wiring connections	Communication	Min.	mm ²	0.75	
		Remark	-	F1, F2	
Refrigerant	Type		-	R32	
	Factory Charging		kg	0.9	
			tCO ₂ e	0.61	
Power Supply			Ø, #, V, Hz	1,2,220-240,50	
Heat Exchanger	Type		-	F&T	
	Material	Fin	-	Al	
		Tube	-	Cu	
Fin Treatment		-	Green Hydrophile		
Fan	Type		-	Turbo Fan	
	Quantity		EA	1	
	Air Flow Rate	Cooling (H/M/L)	m ³ /min	8.0 / 7.0 / 6.0	
			l/s	133.3 / 116.6 / 100	
		Heating (H/M/L)	m ³ /min	10.0 / 9.0 / 8.0	
l/s			166.6 / 150 / 133.3		
Fan Motor	Type		-	BLDC	
	Output		W x n	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	Sound Pressure Level	High/Mid/Low/(Silent)	dB(A)	31 / 28 / 25	34 / 30 / 25
	Sound Power Level		dB(A)	48	50
External Dimension	Net Weight		kg	11.5	11.5
	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
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	-	

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	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
			-	EGI Steel Plate
Operating Temp. Range	Cooling		°C	-15 ~ 46
	Heating		°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	m	5	5	
			Max.	30	50	
			Elevation	20	30	
	Chargeless		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	-	-	-
	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	-	EGI Steel Plate	EGI 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.