SAMSUNG

Smart Airconditioning Solutions

WindFree™ 4-Way Cassette

- **4-Way Airflow:** The large, optimised blades are designed to enable a wide cooling range and good air circulation.
- **Simple Installation:** Flexible design means that it is simple to maintain, featuring a detachable panel and blades
- **WindFree™ Cooling:** Designed to disperse air gently and quietly through 15 700 micro air holes, to minimise cold winds on your skin.
- **Attractive panel & display:** Promotes a neat, tidy look for an aesthetic flair that blends perfectly with any interior design.
- **Eco-friendly R32 Refrigerant:** Low global warming potential & a zero Ozone Depletion Potential effect.
- **Hands-free comfort:** A 2-Step Cooling system cools air fast in Fast Cooling mode, before automatically switching to WindFree™ Cooling to maintain the desired temperature once it is reached. This way you stay comfortable without a need to change the settings.
- **Twin BLDC Compressor:** With premium moving parts, it's designed to ensure a gentle, reliable performance. It reduces vibration and creates little noise.

FIVE YEAR 5 WARRANTY

Coolness without the breeze - WindFree™ Cooling.

Samsung's WindFree™ 4-Way Cassette has specialised blades, adjustable operation and seamless blend of style and utility. It can enact efficiency and sustain cooling comfort in a plethora of environments. The WindFree™ 4-Way Cassette distributes air out through thousands of micro air holes in the panel, producing a dispersed and gentle flow called "still air". The uniform air distribution effortlessly keeps a room cool while avoiding the conventional discomfort of cold drafts. Its flexible design means that its easy to maintain, featuring detachable panel and blades.

Model Code		AC052RN4DKG/EU	AC071RN4DKG/EU	AC100RN4DKG/EU	AC140RN4DKG/EU
Features	Type	5.2kW-1Φ-4way CST	7.1kW-1Φ-4way CST	10.0kW-1Φ-4Way CST	14.0kW-1Φ-4Way CST
Model Name	Indoor Unit	AC052RN4DKG/EU	AC071RN4DKG/EU	AC100RN4DKG/EU	AC140RN4DKG/EU
	Outdoor Unit	AC052RXADKG/EU	AC071RXADKG/EU	AC100RXADKG/EU	AC140RXADKG/EU
System	Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	1.00 / 5.00 / 6.50 kW	1.50 / 7.10 / 8.70 kW	3.00 / 10.00 / 12.00 kW	3.50 / 13.40 / 15.50 kW
	Heating [kW]	1.00 / 6.00 / 7.00 kW	1.90 / 8.00 / 9.00 kW	2.20 / 11.20 / 15.50 kW	3.50 / 15.50 / 18.00 kW
Power Input (Nominal)	Cooling 1)	0.33 / 1.43 / 2.30 kW	0.35 / 2.38 / 3.60 kW	0.60 / 3.42 / 4.70 kW	0.80 / 4.62 / 6.45 kW
	Heating 2)	0.25 / 1.49 / 2.50 kW	0.35 / 2.45 / 3.95 kW	0.46 / 3.10 / 5.40 kW	0.70 / 4.90 / 7.36 kW
Current Input (Nominal)	Cooling 1)	1.5 / 6.5 / 9.5 A	2.0 / 10.3 / 16.0 A	3.0 / 15.2 / 20.4 A	3.7 / 20.0 / 28.0 A
	Heating 2)	1.5 / 6.8 / 12.0 A	2.0 / 10.7 / 17.0 A	2.5 / 13.6 / 23.0 A	3.5 / 21.3 / 32.0 A
Power	MCA [A]	17.5 A	17.5 A	25.0 A	33.0 A
	MFA [A]	20.6 A	20.6 A	30.0 A	40.0 A
Energy Efficiency	Energy Grade (Cooling)	SEER 7.6 (A++)	SEER 6.7 (A++)	SEER 7.0 (A++)	SEER 6.6
	Energy Grade (Heating)	SCOP 4.3 (A+)	SCOP 4.2 (A+)	SCOP 4.3 (A+)	SCOP 4.3
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"	3/8"	3/8"
	Gas Pipe (Φ, mm)	12.7 mm	15.88 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	1/2"	5/8"	5/8"	5/8"
	Installation Max. Length [m]	30 m	50 m	50 m	75 m
	Installation Max. Height [m]	20 m	30 m	30 m	30 m
Field Wiring	Transmission Cable	0.75↑	0.75↑	0.75mm2 ↑	0.75mm2 ↑
Refrigerant	Type	R32(Contains fluorinated greenhouse gases, GWP=675)	R32(Contains fluorinated greenhouse gases, GWP=675)	R32(Contains fluorinated greenhouse gases, GWP=675)	R32(Contains fluorinated greenhouse gases, GWP=675)
	Control Method	EEV	EEV	EEV	EEV
	Factory Charging (kg)	1.20 kg	1.70 kg	2.70 kg	2.9 kg
	Factory Charging (tCO2e)	0.81 tCO2e	1.15 tCO2e	1.82 tCO2e	1.96 tCO2e
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1, 2, 220~240, 50	1Φ, 220~240V/50Hz
Fan	Type	Turbo Fan	Turbo Fan	Turbo	Turbo
	Motor (Output) [W]	65 W	65 W	97 W	97 W
	Number of Unit (EA)	1 EA	1 EA	1 EA	1 EA
	Air Flow Rate (High / Mid / Low) [CMM]	15.0/14.0/13.0 CMM	19.5/16.5/14.5 CMM	31.0/25.0/19.0 CMM	32.0/27.0/22.0 CMM
Drain	Drain Pipe (Φ,mm)	VP25(OD32/ID25) mm	VP25(OD32/ID25) mm	VP 25(OD32/ID25) mm	VP 25(OD32/ID25) mm

Smart operation & superior comfort.

With its sharp blades, harmonious style and efficiency, the Samsung WindFree™ 4-Way Cassette provides powerful, fast cooling/heating along with minimum energy consumption. It cools the room to your comfort zone fast, before switching to the WindFree™ Cooling mode to maintain your comfortable environment. The smart system is designed to readjust itself, allowing you to relax in comfort. The large blades are designed to enable a wide cooling range and good air circulation.

Sound	Sound Pressure (High / Mid / Low) [dB(A)]	33 / 31 / 29 dBA	36 / 33 / 29 dBA	44 / 39 / 33 dBA	45 / 41 / 37 dBA
	Sound Power (Cooling) [dB(A)]	49 dBA	53 dBA	61 dBA	61 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	14.5 kg	14.5 kg	18.0 kg	20.0 kg
	Shipping Weight (kg)	18.5 kg	18.5 kg	22.0 kg	24.0 kg
	Net Dimensions (WxHxD) (mm)	840 x 204 x 840 mm	840 x 204 x 840 mm	840 x 288 x 840 mm	840 x 288 x 840 mm
	mm)	898 x 275 x 898 mm	898 x 275 x 898 mm	898 x 357 x 898 mm	898 x 357 x 898 mm
Panel Size	Panel model	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
	Panel Net Weight (kg)	6.3 kg	6.3 kg	6.3 kg	6.3 kg
	Shipping Weight (kg)	8.7 kg	8.7 kg	8.7 kg	8.7 kg
	Net Dimensions (WxHxD) (mm)	950 x 48 x 950 mm	950 x 48 x 950 mm	950 x 48 x 950 mm	950 x 48 x 950 mm
	Shipping Dimensions (WxHxD) (mm)	1,010 x 117 x 1,000 mm	1,010 x 117 x 1,000 mm	1,010 x 117 x 1,000 mm	1,010 x 117 x 1,000 mm
Additional Accessories	Drain Pump	Built In	Built In	DC (Include)	DC (Include)
	Drain Pump Max. Lifting Height/Displacement	750/24	750/24	750 / 24	750 / 24
	Air Filter	Removable/Washable	Removable/Washable	Removable/Washable	Removable/Washable
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1, 2, 220~240, 50	1Φ, 220~240V/50Hz
Compressor	Type	Twin BLDC	Twin BLDC	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UB9TK3150FE4	UB4TN8200FE4	UB8TN8300FJU	UB5TN5450FJX
	Output(kW)	1.51 kW	1.89 kW	2.91 kW	4.25 kW
	Oil (Type)	POE	POE	POE	POE
	Oil (Initial Charge) [cc]	500 cc	650 cc	1200 cc	1700 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	40 CMM	51 CMM	72 CMM	110 CMM
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	48/48 dBA	49/51 dBA	52 / 54 dBA	53 / 54 dBA
	Sound Power (Cooling) [dB(A)]	62 dBA	65 dBA	69 dBA	69 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	43.0 kg	51.0 kg	75.0 kg	91.5 kg
	Shipping Weight (kg)	46.5 kg	55.0 kg	80.0 kg	100.0 kg
	Net Dimensions (WxHxD) (mm)	880 x 638 x 310 mm	880 x 798 x 310 mm	940 x 998 x 330 mm	940 x 1210 x 330 mm
	(mm)	1023 x 742 x 413 mm	1023 x 896 x 413 mm	995 x 1096 x 426 mm	995 x 1388 x 426 mm
Operating Temp. Range	Cooling (℃)	-15 ~ 50 ℃	-15 ~ 50 ℃	-15~50 ℃	-15~50 ℃
	Heating (℃)	-20 ~ 24 ℃	-20 ~ 24 ℃	-20~24 ℃	-20~24 ℃
Smart	WiFi Kit	Optional	Optional	Optional	Optional
App Connectivity	SmartThings App Support	Yes	Yes	Yes	Yes