



WindFree™ Commercial Midwall



- **WindFree™ Cooling** - It gently and quietly disperses air through 23,000 micro air holes, so there is no unpleasant feeling of cold wind blowing. Its advanced airflow also cools a wider and larger area more evenly, and it uses 77% less energy than fast cooling
- **Quiet operation** - Works much more smoothly and quietly. At its lowest level, it only generates 21dB(A) of sound, which is almost as quiet as a whisper
- **Pure & healthy air** - Keeps air fresh, filtering airborne contaminants and allergens with a superior filter mesh and a unique antibacterial and antiviral coating.
- **Auto clean** - Keep the inside of the air conditioner clean and hygienic
- **Control it anywhere** - The Samsung Wi-Fi kit lets you control your climate system anytime, anywhere using Samsung SmartThings App.
- **R32 Refrigerant** - Protect the planet by reducing the impact of climate change



Save energy & stay comfortably cool without feeling cold.

Whether you're seeking solutions for your home or for a business, Samsung has a climate system tailored to your unique needs. Samsung is revolutionising the world of air care with award-winning climate systems that are recognised worldwide for their innovation and efficiency. WindFree™ Cooling disperses fresh air gently and evenly through thousands of micro-holes, creating "Still Air" conditions. It allows people to relax, live and work comfortably without experiencing unpleasant cold drafts.



Model Code		AC026TNXDKG/EU	AC035TNXDKG/EU	AC052TNXDKG/EU	AC071TNXDKG/EU	AC100RNTDKG/EU
Features	Type	2.6kW-1Φ-CRAC	3.5kW-1Φ-CRAC	5.2kW-1Φ-CRAC	7.1kW-1Φ-CRAC	10.0kW-1Φ-CRAC
Model Name	Indoor Unit	AC026TNXDKG/EU	AC035TNXDKG/EU	AC052TNXDKG/EU	AC071TNXDKG/EU	AC100RNTDKG/EU
	Outdoor Unit	AC026RXADKG/EU	AC035RXADKG/EU	AC052RXADKG/EU	AC071RXADKG/EU	AC100RXADKG/EU
System	Mode	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling [kW]	1.0 / 2.6 / 4.0 kW	1.0 / 3.5 / 4.5 kW	1.5 / 5.0 / 6.8 kW	2.0 / 7.1 / 8.7 kW	3.00 / 9.50 / 11.00 kW
	Heating [kW]	0.8 / 3.3 / 4.0 kW	0.8 / 4.0 / 4.8 kW	1.0 / 6.0 / 6.5 kW	1.6 / 8.0 / 9.0 kW	2.20 / 10.80 / 15.50 kW
Power Input (Nominal)	Cooling 1)	0.18 / 0.64 / 1.20 kW	0.19 / 1.00 / 1.40 kW	0.24 / 1.40 / 2.20 kW	0.39 / 2.30 / 3.40 kW	0.60 / 3.75 / 5.10 kW
	Heating 2)	0.15 / 0.88 / 1.35 kW	0.15 / 1.21 / 1.40 kW	0.20 / 1.75 / 2.05 kW	0.33 / 2.35 / 3.30 kW	0.46 / 3.82 / 5.40 kW
Current Input (Nominal)	Cooling 1)	1.4 / 3.1 / 5.5 A	1.4 / 4.6 / 6.0 A	1.5 / 6.3 / 9.6 A	2.5 / 10.0 / 14.7 A	3.0 / 16.3 / 22.5 A
	Heating 2)	1.2 / 4.2 / 6.0 A	1.2 / 5.6 / 6.2 A	1.3 / 7.8 / 8.8 A	2.0 / 10.3 / 14.5 A	2.5 / 16.7 / 23.0 A
Power	MCA [A]	11.2 A	11.2 A	17.7 A	17.7 A	25.6 A
	MFA [A]	12.5 A	12.5 A	20.6 A	20.6 A	30.0 A
Energy Efficiency	Energy Grade (Cooling)	SEER 7.0 (A++)	SEER 6.9 (A++)	SEER 6.9 (A++)	SEER 6.8 (A++)	SEER 5.9 (A+)
	Energy Grade (Heating)	SCOP 4.1 (A+)	SCOP 4.1 (A+)	SCOP 3.9 (A)	SCOP 4.0 (A+)	SCOP 4.0 (A+)
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	6.35 mm	6.35 mm	9.52 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"	1/4"	1/4"	3/8"
	Gas Pipe (Φ, mm)	9.52 mm	9.52 mm	12.7 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	3/8"	3/8"	1/2"	5/8"	5/8"
	Installation Max. Length [m]	20 m	20 m	30 m	50 m	50 m
	Installation Max. Height [m]	15 m	15 m	20 m	30 m	30 m
Field Wiring	Transmission Cable	0.75↑	0.75↑	0.75↑	0.75↑	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)	R32(Contains fluorinated greenhouse gases, GWP=675)
	Control Method	EEV	EEV	EEV	EEV	2.70 kg
	Factory Charging (kg)	0.90 kg	0.90 kg	1.20 kg	1.70 kg	1.82 tCO2e
	Factory Charging (tCO2e)	0.61 tCO2e	0.61 tCO2e	0.81 tCO2e	1.15 tCO2e	EEV
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50
Fan	Type	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Motor (Output) [W]	27 W	27 W	27 W	27 W	58 W
	Number of Unit (EA)	1 EA	1 EA	1 EA	1 EA	2 EA
	Air Flow Rate (High / Mid / Low) [CMM]	10.3 / 8.4 / 7.0 CMM	12.2 / 9.8 / 7.9 CMM	16.7 / 13.9 / 11.8 CMM	17.8 / 15.2 / 13.2 CMM	22.7 / 19.8 / 17.8 CMM
Drain	Drain Pipe (Φ,mm)	ID 18mm Hose mm	ID 18mm Hose mm	ID 18mm Hose mm	ID 18mm Hose mm	ID 18mm Hose mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	36 / 30 / 24 / 21 dBA	40 / 34 / 28 / 23 dBA	42 / 37 / 32 / 25 dBA	44 / 39 / 35 / 30 dBA	49 / 46 / 43 / 37 dBA
	Sound Power (Cooling) [dB(A)]	56 dBA	59 dBA	60 dBA	61 dBA	65 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	9.1 kg	9.1 kg	11.7 kg	12.7 kg	18.5 kg
	Shipping Weight (kg)	10.7 kg	10.7 kg	13.7 kg	14.7 kg	22.0 kg
	Net Dimensions (WxHxD) (mm)	820 x 299 x 215 mm	820 x 299 x 215 mm	1055 x 299 x 215 mm	1055 x 299 x 215 mm	1280 x 345 x 253 mm
	Shipping Dimensions (WxHxD) (mm)	880 x 290 x 375 mm	880 x 290 x 375 mm	1115 x 290 x 375 mm	1115 x 290 x 375 mm	1352 x 326 x 420 mm
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50
Compressor	Type	Single BLDC	Single BLDC	Twin BLDC	Twin BLDC	Twin BLDC Rotary
	Model	UB9AK5090FER	UB9AK5090FER	UB9TK3150FE4	UB4TN8200FE4	UB8TN8300FJU
	Output(kW)	0.86 kW	0.86 kW	1.51 kW	1.89 kW	2.91 kW
	Oil (Type)	POE	POE	POE	POE	POE
	Oil (Initial Charge) [cc]	320 cc	320 cc	500 cc	650 cc	1200 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	30 CMM	30 CMM	40 CMM	51 CMM	72 CMM
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	46/47 dBA	48/48 dBA	48/48 dBA	49/51 dBA	52 / 54 dBA
	Sound Power (Cooling) [dB(A)]	59 dBA	61 dBA	62 dBA	65 dBA	69 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	32.5 kg	32.5 kg	43.0 kg	51.5 kg	75.0 kg
	Shipping Weight (kg)	35.5 kg	35.5 kg	46.5 kg	55.0 kg	80.0 kg
	Net Dimensions (WxHxD) (mm)	790 x 548 x 285 mm	790 x 548 x 285 mm	880 x 638 x 310 mm	880 x 798 x 310 mm	940 x 998 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	913 x 622 x 371 mm	913 x 622 x 371 mm	1023 x 742 x 413 mm	1023 x 896 x 413 mm	995 x 1096 x 426 mm
Operating Temp. Range	Cooling (°C)	-15 ~ 46 °C	-15 ~ 46 °C	-15 ~ 50 °C	-15 ~ 50 °C	-15~50 °C
	Heating (°C)	-20 ~ 24 °C	-20 ~ 24 °C	-20 ~ 24 °C	-20 ~ 24 °C	-20~24 °C
Smart	WiFi Kit	Yes	Yes	Yes	Yes	Yes
App Connectivity	SmartThings App Support	Yes	Yes	Yes	Yes	Yes