



# Samsung's ultra-modern Inverter AR 7500 Wind-Free range

9000, 12 000, 18 000 and 24 000 Btu/hr

This new Samsung Digital Inverter AR 7500 range sets new standards in midwall split airconditioners. With cooling and heating capacities up to 6.45 kW, and EERs (Cooling W/W) up to 3.45, Samsung's Digital 8-pole Inverter saves up to 68% on energy usage\*. Its unique Wind-Free design first rapidly cools a room with Fast Cooling mode, then automatically switches to dispersing cool air through thousands of tiny micro-holes, thus eliminating unpleasant draughts. Piping lengths from 15 to 30 metres allow flexibility in positioning the outdoor unit. As with all Samsung airconditioners up to 60 000 Btu/h, the AR 7500 range is covered by Fourways 5-year warranty on parts.

\*(Compared with a conventional airconditioner).



## SPECIFICATIONS

Model Code		AR09TSHCBWK/FA	AR12TSHCBWK/FA	AR18TSHCBWK/FA	AR24TSHCBWK/FA
Capacity	Capacity (Cooling, Btu/hr)	8530 Btu/hr	11942 Btu/hr	17061 Btu/hr	22008 Btu/hr
	Capacity (Heating, Btu/hr)	10919 Btu/hr	11942 Btu/hr	20473 Btu/hr	22008 Btu/hr
	Capacity (Cooling, Min - Max, Btu/hr)	3,412 ~ 11,260 Btu/hr	3,412 ~ 13,649 Btu/hr	5,459 ~ 22,179 Btu/hr	4,777 ~ 26,956 Btu/hr
	Capacity (Heating, Min - Max, Btu/hr)	3,753 ~ 17,743 Btu/hr	3,753 ~ 18,426 Btu/hr	4,095 ~ 24,567 Btu/hr	4,095 ~ 30,368 Btu/hr
	Capacity (Cooling, kW)	2.50 kW	3.50 kW	5.00 kW	6.45 kW
	Capacity (Heating, kW)	3.20 kW	3.50 kW	6.00 kW	6.45 kW
	Capacity (Cooling, Min - Max, kW)	1.0 ~ 3.3 kW	1.0 ~ 4.0 kW	1.6 ~ 6.5 kW	1.4 ~ 7.9 kW
	Capacity (Heating, Min - Max, kW)	1.1 ~ 5.2 kW	1.1 ~ 5.4 kW	1.2 ~ 7.2 kW	1.2 ~ 8.9 kW
Energy Efficiency	EER (Cooling, W/W)	3.73 W/W	3.30 W/W	3.45 W/W	3.23 W/W
	COP (Heating, W/W)	3.72 W/W	3.72 W/W	3.43 W/W	3.41 W/W
	EER (Cooling, Btu/hW)	12.73 Btu/hW	11.27 Btu/hW	11.77 Btu/hW	11.00 Btu/hW
	COP (Heating, Btu/hW)	12.70 Btu/hW	12.70 Btu/hW	11.70 Btu/hW	11.64 Btu/hW
	Energy Efficiency Class for cooling (Grade)	A++ / A++	A / A++	A+ / A+	A / A+
Noise Level	Noise Level (Indoor, High/Low, dBA)	38 / 22 dBA	39 / 22 dBA	41 / 27 dBA	44 / 28 dBA
	Noise Level (Outdoor, High/Low, dBA)	45 dBA	46 dBA	51 dBA	54 dBA
Electrical Data	Power Source(Φ/V/Hz)	1 / 220~240~ / 50	1 / 220~240~ / 50	1 / 220~240~ / 50	1 / 220~240~ / 50
	Power Consumption(Cooling, W)	670 W	1060 W	1450 W	2000 W
	Power Consumption(Heating, W)	860 W	940 W	1750 W	1890 W
	Operating Current(Cooling, A)	3.6 A	5.0 A	6.6 A	9.2 A
	Operating Current(Heating, A)	4.4 A	4.5 A	7.9 A	8.5 A
Technical Information	Net Dimension (Indoor, WxHxD)	820*299*215 mm	820*299*215 mm	1055*299*215 mm	1055*299*215 mm
	Net Dimension (Outdoor, WxHxD)	720*548*265 mm	720*548*265 mm	880*638*310 mm	880*638*310 mm
	Net Weight (Indoor, kg)	9.2 kg	9.2 kg	11.5 kg	11.5 kg
	Net Weight (Outdoor, kg)	27.1 kg	27.1 kg	39.7 kg	42.7 kg
	Piping Length (Max, m)	15 m	15 m	30 m	30 m
Air Flow	Piping Height (Max, m)	8 m	8 m	15 m	15 m
	SVC Valve (Liquid (ODxL))	6.35	6.35	6.35	6.35
	SVC Valve (Gas (ODxL))	9.52	9.52	12.7	15.88
	Moisture Removal (l/hr)	1.0 l/hr	1.5 l/hr	2.0 l/hr	2.5 l/hr
	Air Circulation (Cooling, °C/min)	10.3 °C/min	10.7 °C/min	16.6 °C/min	17.3 °C/min
	Refrigerant (Type)	R410A	R410A	R410A	R410A
	Refrigerant (Charging, kg)	1.00 kg	1.00 kg	1.30 kg	1.40 kg
	Low Ambient (Cooling, °C)	-10~46 °C	-10~46 °C	-10~46 °C	-10~46 °C
	Low Ambient (Heating, °C)	-15~24 °C	-15~24 °C	-15~24 °C	-15~24 °C
	Outdoor Unit (Compressor Type)	BLDC	BLDC	BLDC	BLDC
	Outdoor Unit (Anti-Corrosion Fin)	Yes	Yes	Yes	Yes
	Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)	Auto	Auto	Auto	Auto
	Air Flow Control Step (Cool/Fan)	5/4	5/4	5/4	5/4
Operating Mode	Easy Filter Plus (Anti-Bacteria)	Yes	Yes	Yes	Yes
	Auto Clean (Self Cleaning)	Yes	Yes	Yes	Yes
	Filter Cleaning Indicator	Yes	Yes	Yes	Yes
	Indoor Temp. Display	Yes	Yes	Yes	Yes
	Display On/Off	Yes	Yes	Yes	Yes
	Beep On/Off	Yes	Yes	Yes	Yes
	24-Hour Timer	Yes	Yes	Yes	Yes
	Auto Changeover	Yes	Yes	Yes	Yes
	Auto Restart	Yes	Yes	Yes	Yes
	Auto Mode	Yes	Yes	Yes	Yes
Fast Cool	Yes	Yes	Yes	Yes	
Good Sleep	Yes	Yes	Yes	Yes	
Eco Mode	Yes	Yes	Yes	Yes	
Dehumidification	Yes	Yes	Yes	Yes	
Fan Mode	Yes	Yes	Yes	Yes	
Quiet	Yes	Yes	Yes	Yes	

Due to Samsung's policy of constant improvement, specifications are subject to change without notice. E&OE.

\* Specifications may be subject to change without prior notice.

1) Cooling capacities are based on: - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level differences : 0m

2) Heating capacities are based on: - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

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