

# SAMSUNG

## Serie High Efficiency



Model Code		AR12TRHQDWKNE	AR18TRHQDWKNE	AR24TRHQDWKNE
Attribute		Value	Value	Value
Capacity	Capacity (Cooling, Btu/hr)	11500 Btu/hr	17000 Btu/hr	24000 Btu/hr
	Capacity (Cooling, kW)	3.37 kW	4.98 kW	7.03 kW
Energy Efficiency	EER (Cooling, W/W)	3.21 W/W	3.21 W/W	3.21 W/W
	EER (Cooling, Btu/hW)	10.95 Btu/hW	10.95 Btu/hW	10.95 Btu/hW
	Energy Efficiency Class for cooling (Grade)	A	A	A
Noise Level	Noise Level (Indoor, High/Low, dBA)	38/29 dBA	43/33 dBA	46/40 dBA
	Noise Level (Outdoor, High/Low, dBA)	51 dBA	54 dBA	54 dBA
Electrical Data	Power Source(Φ/V/Hz)	1 / 220-230 / 60	1 / 220-230 / 60	1 / 220-230 / 60
	Power Consumption(Cooling, W)	1050 W	1552 W	2191 W
	Operating Current(Cooling, A)	4.7 A	6.8 A	9.8 A
Physical specification	Gross Dimension (Indoor, WxHxD, mm*mm*mm)	875*380*285 mm	1,045*410*305 mm	1,120*405*310 mm
	Gross Dimension (Outdoor, WxHxD, mm*mm*mm)	835*540*300 mm	900*595*345 mm	1090*875*500 mm
	Net Dimension (Indoor, WxHxD, mm*mm*mm)	802*297*189 mm	965*319*215 mm	1,040*327*220 mm
	Net Dimension (Outdoor, WxHxD, mm*mm*mm)	720*495*270 mm	770*555*300 mm	946*810*410 mm
	Gross Weight (Indoor, kg)	11.6 kg	15.1 kg	18.2 kg
	Gross Weight (Outdoor, kg)	27.9 kg	37.6 kg	64.3 kg
	Net Weight (Indoor, kg)	9.1 kg	11.9 kg	14.5 kg
	Net Weight (Outdoor, kg)	25.6 kg	35.2 kg	58.4 kg
	Loading Quantity (20/40/40Hft without Pipe)	128/264/300	84/180/206	44/96/108
	Loading Quantity (20/40/40Hft with Pipe)	112/230/264	81/170/200	44/96/108
Technical Information	Piping Length (Max, m)	20.0 m	20.0 m	20.0 m
	Piping Height (Max, m)	8.0 m	8.0 m	10.0 m
	SVC Valve (Liquid (ODxL))	6.35	6.35	9.52
	SVC Valve (Gas (ODxL))	12.7	12.7	15.88
	Moisture Removal (l/hr)	1.2 l/hr	1.7 l/hr	2.6 l/hr
	Air Circulation (Cooling, m <sup>3</sup> /min)	590 m <sup>3</sup> /min	841 m <sup>3</sup> /min	1180 m <sup>3</sup> /min
	Refrigerant (Type)	R410A	R410A	R410A
Air Flow	Low Ambient (Cooling, °C)	18~43 °C	18~43 °C	18~43 °C
	Air Direction Control (Up/Down)	Auto	Auto	Auto
	Air Direction Control (Left/Right)	Manual	Manual	Manual
	Air Flow Control Step (Cool/Fan)	3-mar	3-mar	3-mar
Convenience	SmartThings	No	No	No
	AI Auto Cooling	No	No	No
	Motion Detect Sensor	No	No	No
	Filter Cleaning Indicator	No	No	No
	Indoor Temp. Display	Yes	Yes	Yes
	Display On/Off	Yes	Yes	Yes
	Beep On/Off	Yes	Yes	Yes
	24-Hour Timer	Yes	Yes	Yes
	Auto Restart	Yes	Yes	Yes
Operating Mode	Auto Mode	Yes	Yes	Yes
	Fast Cool	Yes	Yes	Yes
	Good Sleep	Yes	Yes	Yes
	Dehumidification	Yes	Yes	Yes
	Fan Mode	Yes	Yes	Yes
	Quiet	No	No	No
Smart	WiFi Embedded	No	No	No
App Connectivity	SmartThings App Support	No	No	No