

Specifications



Wind-Free™ Optimum R32

- Wind-Free™ Cooling
- Ionizer (SPI)
- Easy Filter Plus
- Wi-Fi Control - Samsung SmartThings

Indoor Unit			AR09RXPXBWKNEU	AR12RXPXBWKNEU	AR18RXPXBWKNEU	AR24RXPXBWKNEU
Outdoor Unit			AR09RXPXBWKXEU	AR12RXPXBWKXEU	AR18RXPXBWKXEU	AR24RXPXBWKXEU
Capacity						
Capacity	Cooling (Nominal)	kW	2.5	3.5	5.0	6.5
	Cooling (Min - Max)	kW	0.9~3.3	0.9~4.0	1.6~6.7	1.4~7.6
	Heating up to +7°C	kW	3.2	3.5	6.0	7.4
	Heating (Min - Max)	kW	1.1~4.9	1.1~5.5	1.2~8.0	1.2~9.2
	Heating @ -5°C	kW	2.82	3.18	6.99	8.62
	Heating @ -10°C	kW	2.58	2.91	4.80	5.96
	Heating @ -15°C	kW	2.36	2.66	4.10	4.98
Performance						
Energy Efficiency Cooling	SEER	W/W	7.10 / A++	6.50 / A++	6.80 / A++	6.40 / A++
	Consumption	kWh/a	123	188	257	355
	Pdesignc	kW	2.5	3.5	5	6.5
	EER	W/W	4.17	3.57	3.6	3.33
Energy Efficiency Heating	SCOP	W/W	4.0 / A+	4.0 / A+	3.8 / A	3.8 / A
	Consumption	kWh/a	770	770	1400	1511
	Pdesignh (average)	kW	2.2	2.2	3.8	4.1
	COP	W/W	3.76	3.72	3.51	3.15
Moisture Removal		L/hr	1.0	1.5	2.0	2.5
Maximum AirFlow (Cooling)	Indoor Unit	m ³ /min	9.3	10	15.9	17.6
	Outdoor Unit	m ³ /min				
Sound Power	Indoor Unit (Cooling)	dB(A)	54	56	58	62
	Outdoor Unit (Cooling)	dB(A)	59	62	65	68
Sound Pressure	Indoor Unit Low/High	dB(A)	19 / 37	19 / 38	25 / 41	26 / 45
	Outdoor Unit High	dB(A)	45	46	51	54
Operating Temp. Range	Cooling	°C	-10~46	-10~46	-10~46	-10~46
	Heating	°C	-15~24	-15~24	-15~24	-15~24
Electrical Data						
Power Source		V / Hz / Φ	220 ~ 240 / 50 / 1	220 ~ 240 / 50 / 1	220 ~ 240 / 50 / 1	220 ~ 240 / 50 / 1
Compressor Type	Outdoor Unit	Type	BLDC Rotary	BLDC Rotary	BLDC Rotary	BLDC Rotary
Power consumption	Cooling	W	600	980	1390	1950
	Heating	W	850	940	1710	2350
Operating Current	Cooling	A	3.1	4.6	6.4	8.8
	Heating	A	4.0	4.4	7.8	10.5
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	828x267x265	828x267x265	1065x301x311	1065x301x311
	Outdoor Unit	mm	720x548x265	720x548x265	880x638x310	880x638x310
Net Weight	Indoor Unit	kg	9.4	9.4	13.2	13.4
	Outdoor Unit	kg	27.6	27.6	40.2	44.2
Refrigerant						
Refrigerant	Type		R32(Contains fluorinated greenhouse gases. GWP=675)			
	Charging (for 5m)	kg	0.75	0.75	1.15	1.15
	Charging Ton equivalent CO2	tCO2e	0.51 tCO2e	0.51 tCO2e	0.78 tCO2e	0.78 tCO2e
	Additional refrigerant charging	g / m	15	15	15	15
Piping Connections	Liquid Pipe	Φ,inch	1/4	1/4	1/4	1/4
	Gas Pipe	Φ,inch	3/8	3/8	1/2	5/8
Piping Length	Min / Max (ODU to IDU)	m	3 / 15	3 / 15	3 / 30	3 / 30
Piping Height	Max	m	8	8	15	15
Piping Connections	Drain Pipe	Φ,mm	ID 16	ID 16	ID 16	ID 16

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Functions						
Air Flow	Wind-Free™ Cooling		●	●	●	●
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Auto	Auto	Auto	Auto
	Auto Fan speed		●	●	●	●
Air Purification	Ionizer (SPI)		●	●	●	●
	PM 2.5 Filter		-	-	-	-
	Easy Filter Plus		●	●	●	●
	Allergy Care		●	●	●	●
	Anti-Bacteria		●	●	●	●
	Auto Clean (Self Cleaning)		●	●	●	●
Operating Mode	2 Step Cooling		●	●	●	●
	Fast Cool		●	●	●	●
	Comfort Cool		●	●	●	●
	Good Sleep		●	●	●	●
	Dehumidification		●	●	●	●
	Fan Mode		●	●	●	●
	Quiet		●	●	●	●
Other Functions	WiFi Control - Samsung SmartThings		●	●	●	●
	Filter Cleaning Indicator		●	●	●	●
	Indoor Temp. Display		●	●	●	●
	Display On/Off		●	●	●	●
	Beep On/Off		●	●	●	●
	Auto Changeover		●	●	●	●
	Auto Restart		●	●	●	●

Accessory

Included



Wireless Remote Controller

