

Specifications

WindFree™ Pure 1.0 R32

- Three-step cooling: Fast Cooling mode, Dehumidification mode and WindFree™ Cooling mode.
 - PM1.0 Filter.
 - AI Auto Comfort.
 - Freeze Wash.
 - Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Compressor with Digital Inverter Boost technology.
 - Equipped with NASA communication protocol.
 - Direct drive fan powered by a BLDC motor.
 - Triple Protector Plus to protect compressor, fan and controller from power surges.



Indoor Unit			AR09AXKAAWKN/EU		AR12AXKAAWKN/EU	
Outdoor Unit			AR09AXKAAWKX/EU		AR12AXKAAWKX/EU	
Capacity						
Capacity	Cooling (Nominal)	kW	2.5		3.5	
	Cooling (Min-Max)	kW	0.9-3.4		0.9-4.4	
	Heating @ +7 °C	kW	3.2		4.0	
	Heating (Min-Max)	kW	0.7-6.5		0.7-6.8	
	Heating @ -5 °C	kW	TBC		TBC	
	Heating @ -10 °C	kW	TBC		TBC	
	Heating @ -15 °C	kW	TBC		TBC	
Performance						
Energy Efficiency Cooling	SEER ¹	W/W	7.9/ 	7.2/ 		
	Power Consumption	kWh/a	111		170	
	Pdesignc	kW	2.5		3.5	
	EER	W/W	4.46		3.80	
Energy Efficiency Heating	SCOP ¹	W/W	4.6/ 	4.6/ 		
	Power Consumption	kWh/a	700		730	
	Pdesignh (average)	kW	2.3		2.4	
	COP ¹	W/W	3.95		3.71	
Moisture Removal		l/h	1.0		1.5	
Maximum Airflow (Cooling)	Indoor Unit	m³/min	11.7		12.1	
	Outdoor Unit	m³/min	45		45	
Sound Power	Indoor Unit (Cooling)	dB(A)	56		58	
	Outdoor Unit (Cooling)	dB(A)	59		62	
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)	38/19		40/19	
	Outdoor Unit High	dB(A)	45		46	
Operating Temperature Range	Cooling	°C	-10-46		-10-46	
	Heating	°C	-15-24		-15-24	
Electrical Data						
Power Source		Φ, V, Hz	1Φ, 220-240 V, 50 Hz		1Φ, 220-240 V, 50 Hz	
Compressor Type	Outdoor Unit	Type	BLDC Rotary		BLDC Rotary	
Power Consumption	Cooling	W	560		920	
	Heating	W	810		1079	
Operating Current	Cooling	A	2.9		4.4	
	Heating	A	3.9		5.1	
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	820x345x215		820x345x215	
	Outdoor Unit	mm	790x548x285		790x548x285	
Net Weight	Indoor Unit	kg	10.3		10.3	
	Outdoor Unit	kg	32.5		32.5	
Refrigerant						
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)			
	Charging (for 5 m)	kg	0.965		0.965	
	Charging Ton Equivalent CO ₂	tCO ₂ e	0.65		0.65	
	Additional Refrigerant Charging	g/m	15		15	
Piping Connections	Liquid Pipe	ø, mm (inch)	1/4		1/4	
	Gas Pipe	ø, mm (inch)	3/8		3/8	
Piping Length	Min/Max (ODU to IDU)	m	3/15		3/15	
Piping Height	Max	m	8		8	
Piping Connections	Drain Pipe	ø, mm	ø16.3, 550 mm		ø16.3, 550 mm	



Indoor Unit		AR09AXKAAWKN/EU	AR12AXKAAWKN/EU
Outdoor Unit		AR09AXKAAWKX/EU	AR12AXKAAWKX/EU
Functions			
Airflow	WindFree™ Cooling		
	Air Direction Control (Up/Down)	Auto	Auto
	Air Direction Control (Left/Right)	Auto	Auto
	Auto Fan Speed		
Air Purification	PM1.0 Filter		
	Easy Filter Plus		
	Auto Clean (Self-Cleaning)		
	Freeze Wash		
Operating Mode	AI Auto with Wi-Fi & MDS (direct/Indirect)	-	-
	AI Auto with Wi-Fi		
	Auto Mode (without Wi-fi)	-	-
	Fast Cool		
	Good Sleep		
	Eco		
	Dehumidification		
	Fan		
	Quiet		
Other Functions	Samsung SmartThings		
	MDS (Motion Detect Sensor)	-	-
	Indoor Temp. Display		
	Air Quality Indication		
	Display On/Off		
	Beep On/Off		
	Auto Changeover		
	Auto Restart		

Accessory



Wireless Remote Controller (included)

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.