

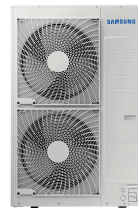
**SAMSUNG**  
Climate Solutions



**High Efficiency Large Wall Mounted**

# High Efficiency Large Wall Mounted

- Motorised louvre provides an automatic change in airflow by directing the air up and down.
- Manual adjustable guide vane allows users to change the airflow from side to side (left to right).
- Equipped with washable pre-filter.
- Wide Operation Range.
- Can be controlled by Smartphone via Wi-Fi Kit (Optional).
- Smart Outdoor unit with inverter PBA Self-Diagnosis.
- Enhanced Performance of 100% Heating Capacity at -15°C.



## Specifications

Model		Outdoor Indoor	AC100BXAPKG/EU AC100BNTPKG/EU	AC100BXAPNG/EU AC100BNTPKG/EU
<b>Electrical</b>				
Power Supply	Outdoor	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz
	Indoor	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
MCA	System (Outdoor/Indoor)	A	29.0 (28.0 / 1.0)	171 (16.1 / 1.0)
MFA	System	A	35.0	20.0
Minimum SSC value	Outdoor	MVA	Not Applicable	1.6
Interconnecting Communication Cable		mm <sup>2</sup>	Screened 0.75-1.5mm <sup>2</sup> , 2 Core, F1 F2 Connection	
<b>Performance<sup>1</sup></b>				
Nominal Cooling Capacity	Total Cooling (Sensible Cooling)	kW	9.5 (6.6)	9.5 (6.6)
UK Cooling Capacity	Total Cooling (Sensible Cooling)	kW	9.8 (6.8)	9.8 (6.8)
Nominal Heating Capacity		kW	10.8	10.8
Operating Temperature Range	Cooling	°C	-20.0 - 52.0 °C	-20.0 - 52.0 °C
	Heating	°C	-25.0 - 24.0 °C	-25.0 - 24.0 °C
<b>Energy Efficiency<sup>2</sup></b>				
Rated Efficiency	EER (Nominal Cooling)	W/W	3.47	3.47
	COP (Nominal Heating)	W/W	3.13	3.13
Seasonal Efficiency	SEER / Energy Label	W/W	6.9 / <b>A++</b>	6.9 / <b>A++</b>
	SCOP / Energy Label	W/W	4.1 / <b>A+</b>	4.1 / <b>A+</b>
<b>Air Flow Rate</b>				
Indoor Unit Airflow Rate	H/M/L	l/s	378 / 330 / 297	378 / 330 / 297
Outdoor Unit Airflow Rate		l/s	2,083	2,083
<b>Piping Connections</b>				
Liquid Pipe		ø, mm (inch)	9.52 (3/8)	9.52 (3/8)
Gas Pipe		ø, mm (inch)	15.88 (5/8)	15.88 (5/8)
Drain Pipe		ø, mm	ID 18 Hose	ID 18 Hose
Max Piping Length (Height)		m	85 (30)	85 (30)
<b>Refrigerant</b>				
Type			R32 (Fluorinated greenhouse gas, GWP=675)	
Factory Charging		kg	3.5	3.5
		tCO <sub>2</sub> e	2.36	2.36
Precharge to		m	30	30
Additional Charge		g/m	45	45
<b>Sound</b>				
Indoor Sound Pressure Level	H/M/L	dB(A)	49 / 46 / 43	49 / 46 / 43
Indoor Sound Power Level		dB(A)	65	65
Outdoor Sound Pressure Level	Cooling / Heating	dB(A)	47 / 50	47 / 50
Outdoor Sound Power Level		dB(A)	66	66
<b>Dimensions</b>				
Net Weight	Indoor Unit/Outdoor Unit	kg	18.5 / 100.0	18.5 / 100.0
Indoor Unit Net Dimensions	W x H x D	mm	1,280 x 345 x 253	1,280 x 345 x 253
Outdoor Unit Net Dimensions	W x H x D	mm	940 x 1,420 x 330	940 x 1,420 x 330

### Accessories

Wireless Remote Controller	Touch Wired Controller	Premium Wired Controller	Wi-Fi Kit	External Room Sensor
AR-EH04E	MWR-SH11N	MWR-WG00JN	MIM-H04EN	MRW-TA

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<sup>1</sup> Performances are based on the following design conditions:  
 - Nominal Cooling Capacity: Indoor temperature 27°C DB, 19°C WB, Outdoor temperature 35°C DB  
 - Nominal Heating Capacity: Indoor temperature 20°C DB, Outdoor temperature 7°C DB, 6°C WB  
 - UK Cooling Capacity: Indoor temperature 23°C DB, 16°C WB, Outdoor temperature 30°C DB

<sup>2</sup> For units with capacity up to 12kW: Efficiencies as shown are according to EU No 206/2012 (LOT10) Ecodesign requirements for air conditioners.  
 For units with capacity up to 12kW: Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.  
 For units with capacity greater than 12kW: Efficiencies as shown are according to EU No 2016/2281 (LOT 21) Ecodesign requirements for heat pumps/air conditioners.