

s-AIRME-G07 HR-P C

Air Handling Unit

The Mitsubishi Electric **AIRME** Compact Air Handling Units (AHU's) utilise a frameless structure to achieve a line-up of units that are as compact as possible, maximising air tightness and improving thermal properties.

The **s-AIRME HR-P** range of AHU's utilises a combination of Mr Slim R32 Power Inverter heat pump technology, energy efficient plate heat exchanger heat recovery technology, and an integrated control system. This integration of technologies results in highly advanced, efficient systems that are easy to install and commission, making them ideal for offices, shopping centres, theatres and other large, open spaces.



Key Features & Benefits:

- Mr Slim R32 Power Inverter heat pump technology enables energy efficient tempering of fresh air
- Plate heat exchanger for effective heat recovery
- Self-supporting, one-piece construction for maximum air tightness and minimal thermal bridging
- Constant volume EC plug fans for greater efficiency and cost savings
- Easy air flow commissioning with selectable target air volume control
- Fully integrated controls and single point power supply, regardless of accessories, for ease of installation
- Wide range of optional accessories, making these units a perfect solution for a variety of applications





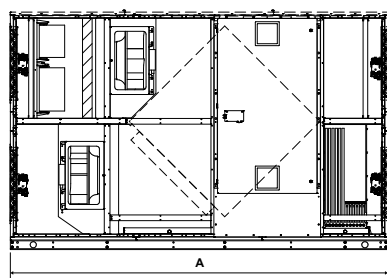
MODEL	s-AIRME-G07 HR-P C 3000	s-AIRME-G07 HR-P C 5000	s-AIRME-G07 HR-P C 7500	s-AIRME-G07 HR-P C 10000	s-AIRME-G07 HR-P C 12500	s-AIRME-G07 HR-P C 15000
RATED AIR VOLUME (m³/s)	0.83	1.38	2.08	2.77	3.47	4.16
AIR VOLUME RANGE (m³/s)	0.56 - 0.83	0.91-1.38	1.19 - 2.08	1.73 - 2.77	2.19 - 3.47	2.35 - 4.16
EXTERNAL STATIC PRESSURE (Pa)	Standard fans	500	300	500	300 / 500 ¹⁾	500
	Up-rated fans	-	500	-	500	-
COOLING CAPACITY (kW)	DX Coil Capacity	19.5	31.5	43.5	63.4	77.9
	Heat Recovery Capacity	8.89	14.8	22.7	30	37.3
	Total Capacity	28.39	46.3	66.2	93.4	115.2
HEATING CAPACITY (kW)	DX Coil Capacity	16.7	27.2	36.6	53.5	66.8
	Heat Recovery Capacity	20.6	34.3	53.1	70.1	87.2
	Total Capacity	37.3	61.5	89.7	123.6	154
HEAT RECOVERY EFFICIENCY (%)	Cooling	73.8	73.5	75.3	74.6	74.3
	Heating	72.7	72.7	74.6	74	73.6
SPECIFIC FAN POWER (SFP)int (W/(l/s))	0.775	0.936	0.812	0.736	0.81	0.691
SOUND POWER LEVEL (dB(A))	Fresh/Outdoor	82	89	85	85	86
	Supply	82	89	85	85	86
	Return	80	88	84	85	86
	Exhaust	80	88	84	85	86
	Breakout	64	74	67	67	71
UNIT DIMENSIONS (WxDxH) (mm)	2950x1385x1675	2950x1785x1675	3200x1885x2200	3650x2185x2280	3775x2385x2480	3946x2585x2480
BASE WEIGHT (kg)	750	950	1250	1600	1750	2100
STANDARD FILTRATION	Fresh air 1st stage	ISO Coarse 50% / G4				
	Fresh air 2nd stage	ISO ePM1 50% / F7 Bag Filter				
	Return air	ISO Coarse 50% / G4				
CONSTRUCTION	Panels	60mm sandwich panels with thermal break, galvanised steel sheets with a pre-painted external finish				
	Insulation	45 kg/m³ density polyurethane foam				
EN1886 ACHIEVED CLASSES	Deflection/Leakage/Thermal transmittance/Thermal bridging/Filter bypass leakage					
	D1(M) / L1(M) / T2 / TB2 / F9(M)					
ELECTRICAL POWER REQUIREMENTS	400VAC / 3ph+Positive Earth / 50Hz					
REQUIRED OUTDOOR UNITS	Power Inverter (R32)	1 x PUZ-ZM200	1 x PUZ-ZM125 1 x PUZ-ZM200	1 x PUZ-ZM200 1 x PUZ-ZM250	2 x PUZ-ZM200 1 x PUZ-ZM250	4 x PUZ-ZM200 2 x PUZ-ZM200 2 x PUZ-ZM250
OUTDOOR UNIT PIPE RUN (m)		30	30	30	30	30

Notes: Please refer to Mr Slim section for outdoor unit specification data. The specification data is based on the rated conditions below, at the rated air flows. *1 300Pa for the supply fan, 500Pa for the return fan.

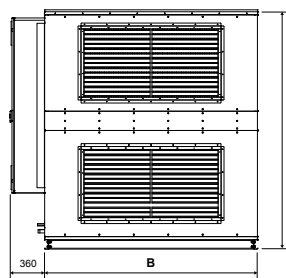
RATED CONDITIONS	SUMMER		WINTER	
INDOOR	23 °C DB	50% RH	21 °C DB	50% RH
OUTDOOR	35 °C DB	50% RH	-5 °C DB	85% RH

s-AIRME-G07 HR-P C DIMENSIONS

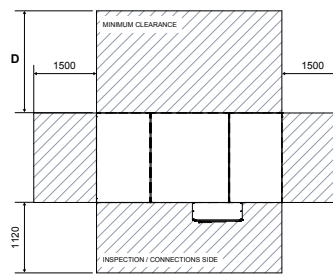
FRONT VIEW



SIDE VIEW



UPPER VIEW



Model	A (mm)	B (mm)	C (mm)	D (mm)
3000	2950	1025	1675	1225
5000	2950	1425	1675	1625
7500	3200	1525	2200	1725
10000	3650	1825	2280	2025
12500	3755	2025	2480	2225
15000	3946	2225	2480	2425

Note: Base unit. Options may change dimensions and/or weight.



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Note: Refer to 'Installation Manual' and 'Instruction Book' for further 'Technical Information'. The fuse rating is for guidance only and please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R1234ze (GWP:7) or R1234yf (GWP:4). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows. R410A (GWP:1975), R32 (GWP:550), R407C (GWP:1650) or R134a (GWP:1300).

Effective as of December 2023



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