

MRV AHU



CHARACTERISTICS AND FUNCTIONS

- Ability to control third-party AHU
- Compatible with MRV 5-series outdoor units and MRV SII series" (4-12 HP)
- A single box covers a power range of 3,5 to 73,0 kW. Can to connect up to 3 boxes in parallel for large capacity.
- Expansion valve and paired electronic boards, with separation possibilities for greater flexibility during installation.
- Managing 0-10 V DDC inbound signal from third-party controller
- Temperature signal control provided by a DDC control or return from the Haier sensor
- Remote contact input to select Hot/Cold mode
- Clean contact input for managing 3 ventilation speeds
- Status signal output "Defrost / Defrost"

TECHNICAL SPECIFICATIONS

AH1-070B
AH1-140B
AH1-280B



AH1-560B
AH1-730B



Model		AH1-070B	AH1-140B	AH1-280B	AH1-560B	AH1-730B
Connectable capacity (kW AHU internal exchanger)	kW	3,5≤X≤7,0kW (1-3HP)	7,0≤X≤14,0kW (3-5HP)	14,0≤X≤28,0kW (5-10HP)	28,0≤X≤56,0kW (10-20HP)	56,0≤X≤73,0kW (20-26HP)
Power supply	V-Ph-Hz	220-230-1-50/60	220-230-1-50/60	220-230-1-50/60	220-230-1-50/60	220-230-1-50/60
Unit Dimensions WxDxH	mm	420x260x165	420x260x165	420x260x165	420x260x215	420x260x215
Packaged unit dimensions WxDxH	mm	520x340x225	520x340x225	520x340x225	520x340x275	520x340x275
Net weight / Gross weight	Kg	5,5 / 8,5	5,5 / 8,5	5,5 / 8,5	6,5 / 10,0	6,5 / 10,0
Material		Galvanised sheet				
Colour		Grey	Grey	Grey	Grey	Grey
Liquid pipe diameter (input/output to AHU)	mm (inch)	9,52 (3/8) / 6,35 (1/4)	9,52 (3/8) / 6,35 (1/4)	9,52 (3/8) / 6,35 (1/4)	12,70 (1/2) / 15,88 (5/8)	12,70 (1/2) / 15,88 (5/8)
Connection method		Flare	Flare	Flare	Flare	Flare
Maximum distance between BOX and AHU	m	5	5	5	5	5
Maximum height difference between BOX and AHU	m	5	5	5	5	5

ADVANTAGES

Valve capacity	Possibility to control AHU with power values from 3 to 73 kW with a single valve
High compatibility	The same electronic boards as the MRV indoor units for simple management and maintenance
Reliability	The expansion valve is produced by FUJIKOKI, the Japanese leader in this sector.

