

## 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



Model		AH1-070B	AH1-140B	AH1-280B	AH1-560B	AH1-730B
Connectable capacity (kW AHU intertial 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	<p>The expansion valve is produced by FUJIKOKI, the Japanese leader in this sector.</p> <div>   </div>