Haier

MRV-5
SERIES

GE APPLIANCES
a Haier company

AIR&WATER
SOLUTIONS

WATER HEATING & TREATMENT | COMMERCIAL AC | DUCTLESS & VRF

MRV-5 Key Features

High Efficiency

- Highly efficient full DC inverter compressor and fan motor
- 21" serrated-edge fan blade allows higher air movement at a lower sound level
- Large coil and 2-stage sub cooling circuit increase performance when the demand is high
- Air cooled electrical box helps increase reliability

Easy to Install

- Built-in handles and designed skid for handling and rigging ease
- Two-pipe refrigerant lines save time and resources
- Multiple piping connections simplify any jobsite condition
- Optional branch connector kits allow using FlexFit indoor units for application flexibility

Optimized Comfort

- PID pressure sensor enables more precise temperature control
- Non-reversing 4-way valve avoids temperature fluctuation and component stresses
- Night time mode for quiet operation

Energy Saving

- Optimized design, intelligent control with full DC inverter EVI compressors
  More efficiency in preventing the scroll gas leakage, reducing the scroll clearance volume
- Top 3 ranking in EER/IEER/COP/SCHE
- Low ambient performance, Heating working range down -13F

Heating capacity @5°F	80% of rated
Heating capacity @-4°F	70% of rated
Heating capacity @-13°F	60% of rated

Outdoor	Capacity	Indoor		Panel
	7K		MVAW007MV2AA	
	9K		MVAW009MV2AA	
	12K		MVAW012MV2AA	
	18K	Wall Mount	MVAW018MV2AA	N/A
	24K		MVAW024MV2AA	
	30K		MVAW030MV2AA	
	5K		MVAB005MV2AA	
	7K		MVAB007MV2AA	Purchase separately
	9K	Compact Cassette	MVAB009MV2AA	
	12K		MVAB012MV2AA	PB-620KB
MRV-5 Heat Recovery (208/230V) MVHR072ME2CA MVHR096ME2CA MVHR120ME2CA MVHR144ME2CA	18K		MVAB018MV2AA	
	7K		MVAL007ME2AA	
	9K		MVAL009ME2AA	
	12K		MVAL012ME2AA	
	15K		MVAL015ME2AA	
	18K		MVAL018ME2AA	
	24K	Large Cassette	MVAL024ME2AA	PB-950KB
MRV-5 Heat Recovery (460V) MVHR072ME4CA MVHR096ME4CA MVHR120ME4CA MVHR144ME4CA	30K		MVAL030ME2AA	
	36K		MVAL036ME2AA	
	42K		MVAL042ME2AA	
	48K		MVAL048ME2AA	
	5K		MVA005ME2AA	
MRV-5 Heat Pump (208/230V) MVHP072ME2CA MVHP096ME2CA MVHP120ME2CA MVHP144ME2CA	7K	One-Way Cassette	MVA007ME2AA	P1B-1050IB (One way cassette panel)
	9K		MVA009ME2AA	
	12K		MVA012ME2AA	
	7K		MVAM007ME2AA	
	9K		MVAM009ME2AA	
	12K		MVAM012ME2AA	
	15K		MVAM012ME2AA	
	18K	Medium Static Duct	MVAM018ME2AA	
MRV-5 Heat Pump (208/230V) MVHP072ME4CA MVHP096ME4CA MVHP120ME4CA MVHP144ME4CA	24K		MVAM024ME2AA	
	36K		MVAM036ME2AA	
	48K		MVAM048ME2AA	
	54K		MVAM054ME2AA	
	72K	High Static Duct	MVAH072ME2AA	
	96K		MVAH096ME2AA	
	7K		MVAD007MV2AA	PAD0890RA (Return air grille) PAD0890SA (Supply air grille)
	9K		MVAD009MV2AA	
	12K	Slim Duct	MVAD012MV2AA	
	18K		MVAD018MV2AA	PAD1210RA (Return air grille) PAD1210SA (Supply air grille)
	24K		MVAD024MV2AA	

Accessories

Haier controls allow the user to take command of their environment. With convenient user-friendly button layouts and clear graphic displays, the system can be easily set to meet and maintain all comfort needs.

Remote Controller

• Individual indoor unit control

• Multi-directional louver control

• Child lock

• Indoor LED display

• Precise temp control (+-1F)

• Backlight

• Individual louver control*

*Large Cassette only

YR-HBS01
(Large Cassette only)

YR-HD

Wired Controller

• Individual and group control

• 5 operation modes

• Precise temp control +/- 1F (0.5C)

• Turbo and quiet mode for comfort

• Airflow direction control

• Filter change reminder

• Backlight

• Energy saving feature

• Static pressure control

YR-E17

QACT17A

Central Controller

• 7-inch TFT LCD touch screen

• Weekly timer

• Individual and group control

• Max. 256 indoor units

• Historical data backup

• Energy saving feature

• Ancillary equipment control

YCZ-A004

• Protocol adapter for RS-485 conversion

• IGU05 Adapter required with YCZ-A004 one IGU05

IGU-05

BMS Central Controller

• Centralized Control Solution for MRV Systems

• Runs the MRV Supervisor System Software

• Connect up to 32MRV5 or MRVS systems

• Connect up to 128 MRV indoor units

• Supports BACnet IP Protocol

• Optional tenant metering function (requires the use of the IGU-02 gateway)

HCM-05

BACnet Gateway

• Centralized control solution for MRV systems

• Control and monitor MRV equipment from 3rd party BACnet front end

• Supports BACnet IP protocol

• Connect up to 4 MRV5 or MRVS systems

• Connect up to 128 MRV indoor units

HCM-04

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Accessories

Panels

PB-620KB
Panel for 2'x2' MRV Cassette
Must order PB-620KB separately with
the purchase of Compact Cassette models:
MVAB009MV2AA
MVAB012MV2AA
MVAB018MV2AA

PB-950KB
Panel for 3'x3' MRV Cassette
Must order PB-950KB separately with the
purchase of Large Cassette models:
MVAL009MV2AA
MVAL012MV2AA
MVAL018MV2AA
MVAL024MV2AA
MVAL030MV2AA
MVAL036MV2AA
MVAL042MV2AA
MVAL048MV2AA

Return Air Grilles

PAD0890RA (with filter)
Optional return air grille for Slim Duct models:
MVAD007MV2AA
MVAD009MV2AA
MVAD012MV2AA

PAD1210RA (with filter)
Optional return air grille for Slim Duct models:
MVAD018MV2AA
MVAD024MV2AA

Supply Air Grilles

PAD0890SA
Optional supply air grille for Slim Duct models:
MVAD007MV2AA
MVAD009MV2AA
MVAD012MV2AA

PAD1210SA
Optional supply air grille for Slim Duct models:
MVAD018MV2AA
MVAD024MV2AA

AHU Kits
AH1-070B--2 Ton
AH1-140B--4 Ton
AH1-280B--8 Ton
AH1-560B--16 Ton
AH1-730B--20 Ton

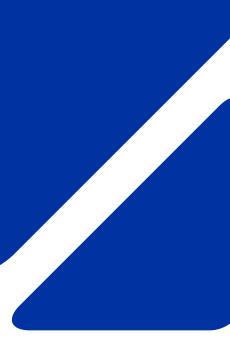| Model	Picture	Functions
VP1-112B		Heat recovery - vavle pipe box-1:1 IDU capacity $x \leq 11.2$
VP1-180B		Heat recovery - vavle pipe box-1:1 IDU capacity $11.2 < x \leq 18$
VP1-280B		Heat recovery - vavle pipe box-1:1 IDU capacity $18 < x \leq 28$
VP4-450B		Heat recovery - vavle pipe box-1:4 IDU capacity $x \leq 45$

Your customers turn to you for great results, so offer them the performance and support you can only get from Haier!

Training

We're with you every step of the way, from theory to application. Through the Haier HVAC Training Center, we support distributors and contractors with everything from service to installation to sales. For those who prefer to learn in the field, our Regional Training Program matches professionals with experienced trainers.

Support

You can always rely on Haier to guide you through warranty processing, parts ordering, product installation, technical documentation and more.

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