

# Haier



GE APPLIANCES



**MRV-5**  
SERIES

# 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

To meet IECC2018 standard, and will be listed with AHRI standard 210-240 & AHRI 1230



Bigger heat exchange area 2.89 m<sup>2</sup>, and black fin to meet 1000 hrs per ASTM B117



# MRV-5 Lineup

Outdoor	Capacity	Indoor	Panel	
<p><b>MRV-5</b> (72, 96, 120) MVHR072ME2CA MVHR096ME2CA MVHR120ME2CA</p>	7K	MVAW007MV2AA	N/A	
	9K	MVAW009MV2AA		
	12K	MVAW012MV2AA		
	18K	MVAW018MV2AA		
	24K	MVAW024MV2AA		
	30K	MVAW030MV2AA		
<p>Compact Cassette</p>	5K	MVAB005ME2AA	Purchase separately	
	7K	MVAB007ME2AA		
	9K	MVAB009MV2AA	<p>PB-620KB</p>	
	12K	MVAB012MV2AA		
	18K	MVAB018MV2AA		
	7K	MVAL007ME2AA		
<p>Large Cassette</p>	9K	MVAL009ME2AA	<p>PB-950KB</p>	
	12K	MVAL012ME2AA		
	15K	MVAL015ME2AA		
	18K	MVAL018ME2AA		
	24K	MVAL024ME2AA		
	30K	MVAL030ME2AA		
	36K	MVAL036ME2AA		
	42K	MVAL042ME2AA		
48K	MVAL048ME2AA			
<p>Medium Static Duct</p>	7K	MVAM007ME2AA		
	9K	MVAM009ME2AA		
	12K	MVAM012ME2AA		
	18K	MVAM018ME2AA		
	24K	MVAM024ME2AA		
	36K	MVAM036ME2AA		
<p>Slim Duct</p>	48K	MVAM048ME2AA		
	54K	MVAM054ME2AA		
	7K	MVAD007MV2AA		<p>PAD0890RA (Return air grille) PAD0890SA (Supply air grille)</p>
	9K	MVAD009MV2AA		
	12K	MVAD012MV2AA		
	18K	MVAD018MV2AA		<p>PAD1210RA (Return air grille) PAD1210SA (Supply air grille)</p>
24K	MVAD024MV2AA			

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\*



**YR-HBS01**  
(Large Cassette only)



**YR-HD**

\*Large Cassette only

## 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**

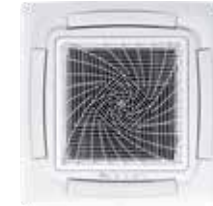
- Protocol adapter for RS-485 conversion
- IGU05 Adapter required with YCZ-A004 one IGU05



**IGU-05**

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 $x \leq 45$

## 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

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## 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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