

Haier



 **MRV-S**
SERIES

2019



GE APPLIANCES
a Haier company

MRV-S 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

MRV-S Lineup

Outdoor	Capacity	Indoor	Panel
	7K		MVAW007MV2AA
	9K		MVAW009MV2AA
	12K	 Wall Mount	MVAW012MV2AA
	18K		MVAW018MV2AA
	24K		MVAW024MV2AA
	30K		MVAW030MV2AA
	36K		MVAW036MV2AA
	9K	 Compact Cassette	MVAB009MV2AA
	12K		MVAB012MV2AA
	18K		MVAB018MV2AA
	9K	 Large Cassette	MVAL009MV2AA
	12K		MVAL012MV2AA
	18K		MVAL018MV2AA
	24K		MVAL024MV2AA
	30K		MVAL030MV2AA
	36K		MVAL036MV2AA
	42K		MVAL042MV2AA
	48K		MVAL048MV2AA
	7K		MVAD007MV2AA
	9K	 Slim Duct	MVAD009MV2AA
	12K		MVAD012MV2AA
	18K		MVAD018MV2AA
	24K		MVAD024MV2AA
	24K	 *High Static Duct	AM24LP2VHA
	36K		AM36LP2VHA



MRV-S
(36, 48, 56)
MVHP036MV2AA
MVHP048MV2AA
MVHP056MV2AA

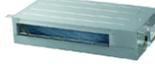
*High Static Duct requires branch box MS1-036A or MS3-036A to connect.

Outdoor Unit Specifications

Model Number		MVHP036MV2AA	MVHP048MV2AA	MVHP056MV2AA
Cooling Non-ducted	Rated Capacity Btu/hr	36,000	48,000	56,000
	Capacity Range Btu/hr	7,000-36,000	7,000-48,000	7,000-56,000
	Rated Power Input W	3,330	4,800	5,580
	SEER	16.0	16.0	16.0
	EER	10.9	10.0	10.0
Cooling Ducted	Rated Capacity Btu/hr	36,000	48,000	56,000
	Capacity Range Btu/hr	7,000-36,000	7,000-48,000	7,000-56,000
	Rated Power Input W	3,330	4,800	5,580
	SEER	16.0	16.0	16.0
	EER	10.9	10.0	10.0
Heating Non-ducted	Rated Heating Capacity 47°F Btu/hr	40,000	54,000	60,000
	Heating Capacity Range Btu/hr	8,000-40,000	8,000-59,000	8,000-63,000
	Rated Power Input W	3,480	5,250	6,150
	HSPF	10.0	10.0	10.0
	Rated Heating Capacity 17°F Btu/hr	24,000	32,400	36,400
	Max. Heating Capacity 17°F Btu/hr	25,600	35,000	38,000
	Max. Heating Capacity 5°F Btu/hr	22,400	30,400	33,000
	Max. Heating Capacity -4°F Btu/hr	21,880	29,540	32,280
Heating Ducted	Rated Heating Capacity 47°F Btu/hr	39,500	54,000	60,000
	Heating Capacity Range Btu/hr	8,000-40,000	8,000-58,000	8,000-62,000
	Rated Power Input W	3,480	5,250	6,150
	HSPF	10.0	10.0	10.0
	Rated Heating Capacity 17°F Btu/hr	23,800	32,400	36,400
	Max. Heating Capacity 17°F Btu/hr	25,000	35,000	38,000
	Max. Heating Capacity 5°F Btu/hr	22,400	30,400	33,000
	Max. Heating Capacity -4°F Btu/hr	21,880	29,540	32,280
Operating Range	Cooling °F(°C)	23-115(-5-46)	23-115(-5-46)	23-115(-5-46)
	Heating °F(°C)	-4-75(-20-24)	-4-75(-20-24)	-4-75(-20-24)
Power Supply	Voltage, Cycle, Phase V/Hz/-	208/230-60-1	208/230-60-1	208/230-60-1
Compressor Type	Compressor Type	DC Inverter Driven Rotary		
Electrical	Maximum Fuse Size A	30	40	40
	Minimum Circuit Amp A	25.4	37.8	38.8
Sound Pressure	Outdoor Noise Level dB	54	55	55
Unit	Dimension: HxWxD in (mm)	52 3/4(1340) x 37 3/8(950) x14 5/8(370)		
	Weight (Ship/Net)- lbs (kg)	265/247(120/112)	271/254(123/115)	271/254(123/115)
Connection Ratio	Max Indoor units	6	8	9
	Connectable Indoor Unit Ratio (%)	50-130%		
Refrigerant Line	Connections	Flare		
	Liquid / Suction O.D. in	3/8", 5/8"		
	Factory Charge Oz	123.0	141.0	141.0
	Maximum Line Length Ft / m	492/150 (984/300*)	492/150 (984/300*)	492/150 (984/300*)
	Maximum Height Ft / m	98/30 (164/50*)	98/30 (164/50*)	98/30 (164/50*)
	Maximum Line Length for each individual indoor unit Ft / m	262/80 (492/150*)	262/80 (492/150*)	262/80 (492/150*)

*If exceeding the following limits, you must contact your local distributor or dealer for individual design and separate order.
 Line length, ft/m: 492/150
 Line height, ft/m: 98/30
 Line length, individual unit, ft/m: 262/80

Indoor Unit Specifications

Indoor Type	Model Number	Grille Model	Nominal Cooling Capacity Btu/hr	Nominal-Heating Capacity Btu/hr	Voltage, Cycle Phase V/Hz/-	Line Size (in)	Drain Pump	Max. Drain Lift Height (in)	Max Static in.W.G (Pa)	Dimension Height x WidthxDepth (in)
	MVAW007MV2AA	/	7000	8600	208/230-60-1	1/4", 1/2"	No	/	/	11 x 33.7 x 7.9
	MVAW009MV2AA	/	9000	10600	208/230-60-1	1/4", 1/2"	No	/	/	11 x 33.7 x 7.9
	MVAW012MV2AA	/	12000	13600	208/230-60-1	1/4", 1/2"	No	/	/	11 x 33.7 x 7.9
	MVAW018MV2AA	/	18000	20000	208/230-60-1	1/4", 1/2"	No	/	/	13.2 x 43.9 x 9.6
	MVAW024MV2AA	/	24000	27000	208/230-60-1	3/8", 5/8"	No	/	/	13.2 x 43.9 x 9.6
	MVAW030MV2AA	/	30000	34000	208/230-60-1	3/8", 5/8"	No	/	/	14.4 x 51.8 x 10.6
	MVAB009MV2AA	PB-620KB	9000	10000	208/230-60-1	1/4", 1/2"	Yes	27 9/16	/	10 1/4 x 22 7/16 x 22 7/16
	MVAB012MV2AA		12000	13500	208/230-60-1	1/4", 1/2"	Yes	27 9/16	/	10 1/4 x 22 7/16 x 22 7/16
	MVAB018MV2AA		18000	21000	208/230-60-1	1/4", 1/2"	Yes	27 9/16	/	10 1/4 x 22 7/16 x 22 7/16
	MVAL009MV2AA	PB-950KB*	9000	10000	208/230-60-1	1/4", 1/2"	Yes	27 9/16	/	7 3/16 x 33 1/16 x 33 1/16
	MVAL012MV2AA		12000	13500	208/230-60-1	1/4", 1/2"	Yes	27 9/16	/	7 3/16 x 33 1/16 x 33 1/16
	MVAL018MV2AA		18000	21000	208/230-60-1	1/4", 1/2"	Yes	27 9/16	/	7 3/16 x 33 1/16 x 33 1/16
	MVAL024MV2AA		24000	27000	208/230-60-1	1/4", 5/8"	Yes	27 9/16	/	7 3/16 x 33 1/16 x 33 1/16
	MVAL030MV2AA		30000	34000	208/230-60-1	1/4", 5/8"	Yes	27 9/16	/	7 3/16 x 33 1/16 x 33 1/16
	MVAL036MV2AA		36000	40000	208/230-60-1	1/4", 5/8"	Yes	27 9/16	/	7 3/16 x 33 1/16 x 33 1/16
	MVAL042MV2AA		42000	47000	208/230-60-1	1/4", 5/8"	Yes	27 9/16	/	7 3/16 x 33 1/16 x 33 1/16
	MVAL048MV2AA		48000	54000	208/230-60-1	1/4", 5/8"	Yes	27 9/16	/	7 3/16 x 33 1/16 x 33 1/16
	MVAD007MV2AA	PAD0890RA (Return air grille) PAD0890SA (Supply air grille)	7000	8500	208/230-60-1	1/4", 1/2"	Yes	27 9/16	0.12 (30)	7 5/16 x 33 7/16 x 16 9/16
	MVAD009MV2AA		9000	10500	208/230-60-1	1/4", 1/2"	Yes	27 9/16	0.12 (30)	7 5/16 x 33 7/16 x 16 9/16
	MVAD012MV2AA		12000	13500	208/230-60-1	1/4", 1/2"	Yes	27 9/16	0.12 (30)	7 5/16 x 33 7/16 x 16 9/16
	MVAD018MV2AA		18000	20000	208/230-60-1	1/4", 1/2"	Yes	27 9/16	0.12 (30)	7 5/16 x 46 1/16 x 16 9/16
	MVAD024MV2AA		24000	27000	208/230-60-1	3/8", 5/8"	Yes	27 9/16	0.12 (30)	7 5/16 x 46 1/16 x 16 9/16
	MVAD030MV2AA		30000	34000	208/230-60-1	3/8", 5/8"	Yes	27 9/16	0.12 (30)	7 5/16 x 46 1/16 x 16 9/16
	AM24LP2VHA	/	24,000	26,500	208/230-60-1	3/8", 5/8"	Yes	27.5	0.6	9 7/8 x 37 5/8 x 25 3/4
	AM36LP2VHA	/	35,000	37,500	208/230-60-1	3/8", 5/8"	Yes	27.5	0.6	9 7/8 x 59 x 28 3/8

*Large cassettes are compatible with two panels PB-950KB or PB-950MB. PB-950KB is a standard cassette panel, and PB-950MB is the panel with Intelligent Eye.

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

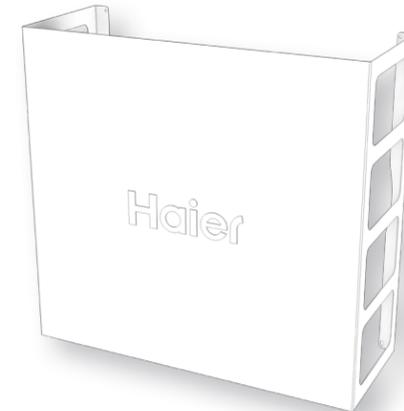
- Protocol adapter for RS-485 conversion
- IGU05 Adapter required with YCZ-A004 one IGU05



IGU-05

Name	Picture	Model	Functions
Manifold Pipe		FQG-B335A	• Refrigerant branch piping
Easy MRV Connection Kit		MS1-036A	• Connects one FlexFit indoor unit
Easy MRV Connection Kit		MS3-036A	• Connects three FlexFit indoor units

The Haier ductless wind baffle is fabricated from durable 20 gauge G90 galvanized steel. Color-matched and powder coated to blend beautifully with Haier ductless outdoor units, the wind baffle is engineered to provide optimal performance when operating in cold, harsh climates.



Ductless Wind Baffle

Compatible with these outdoor units:

Series	Outdoor Model #	Wind Baffle Model #
MRV	MVHP036MV2AA	QAWB38A (Requires 2)
	MVHP048MV2AA	QAWB38A (Requires 2)
	MVHP056MV2AA	QAWB38A (Requires 2)

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



PB-950MB

"Intelligent Eye" motion sensing panel for 3'x3' MRV Cassette
Must order PB-950MB 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

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

Limited Warranty

At Haier we take pride in our workmanship, which is why we offer one of the best warranties in the industry. Standard coverage is a 7-year limited warranty on the compressor and a 5-year limited warranty on parts. When you register your Mini VRF system within 60 days of installation, your coverage will increase to a 10-year limited warranty on the compressor and a 10-year limited warranty on parts. To register your equipment, go to www.haierductless.com > support > product registration.

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.



Rebates

With their high SEER and EER ratings, Haier ductless systems could earn your customers very attractive rebates.

Learn more by visiting:

Database of State Incentives for Renewables & Efficiency
dsireusa.org

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For more info visit us:

www.Haierductless.com
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