

# Comfort-Cire®

## 'VMH' SERIES

Inverter technology in a wide range of capacities



Indoor Unit



208-230V  
9,000 to  
24,000  
BTUH



Outdoor Unit



Indoor Unit

208-230V  
30,000 to  
36,000  
BTUH



Outdoor Unit

Comfort and energy efficiency combine in these attractive wall mount mini-splits. Rated as high as 23.5 SEER, they include all the advantages of advanced inverter technology.

You'll find that your room reaches the preset temperature quickly and that the temperature is constant, without the variations that occur in other types of systems due to on-off cycling. Because the units run at low frequency most of the time, energy usage is kept to a minimum. However, during weather extremes (or when you have a room full of people), the compressor ramps up automatically to reach the set point and maintain the comfort level.

"VMH" Series units are exceptionally quiet. Heavy duty inverter compressors in the condensers are not just efficient, but they also reduce noise and vibration. Inside, the balanced fan circulates large volumes of air at minimal sound levels.

### Applications

Single zone models are especially suited to one room residential installations such as bedrooms, sunrooms, additions and workshops. For large spaces up to 1550 square feet such as offices, conference rooms, common areas, etc., the 30,000 and 36,000 BTUH models deliver large capacity with exceptional efficiency. The inverter technology automatically matches the power delivered with the load requirements for precise temperature control.

### Low Ambient Operation

The low ambient feature allows cooling when outdoor temperature falls below freezing—great for temperature/humidity sensitive environments. Additionally, a factory installed crankcase heater keeps compressor oil warm and reduces heat loss to ambient air, while a sump heater prevents ice build-up on the coil, and reduces the need for defrosting.

### Features

- **Attractive Cabinet**—Indoor units feature a slim profile with rounded corners and sleek grilles in a subtle white finish
- **Multiple Modes**—Cooling, dehumidification only, and heating
  - Sleep mode • 24-hour timer
  - Turbo mode • Auto mode
- **Auto Swing**—Continually adjusts air flow direction for a gentle, breeze-like effect
- **Remote Control**—Makes it easy to program and operate the unit
- **Enhanced Filtration**—Silver ion filter delivers improved indoor air quality, eliminating bacteria in the air
- **Defrost Control**—Automatically removes any frost accumulation on the coil as needed
- **"Follow" Feature**—Remote senses temperature, automatically adjusts to maintain setpoint
- **Auto Restart**—Reverts to the last setting following a power failure
- **Low Ambient Operation**—cooling 5° - 122° F, heating 5° - 86° F

## HEAT CONTROLLER

1900 Wellworth Ave., Jackson MI 49203 • Ph. 517-787-2100 • [www.heatcontroller.com](http://www.heatcontroller.com)



# 'VMH' Series

## Single Zone Ductless Mini-Splits with Inverter Technology

FEATURES	Heat Pump Models					
	VMH09SD-I**	VMH12SD-I**	VMH18SD-I**	VMH24SD-I**	VMH30SC-I	VMH36SC-I
Power Supply	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Cooling Capacity (BTUH)	9,000	11,500	17,500	23,000	30,000	36,000
SEER	23.50	22.00	21.00	19.00	16.00	14.50
EER	14.50	13.00	12.50	12.50	10.00	8.80
HSPF	10.00	10.00	9.50	9.00	9.60	9.00
Cooling Amps	2.9	4.0	6.5	8.4	14.0	15.7
Dehumidification (Pts/Hr.)	2.11	2.54	3.6	5.3	6.3	8.0
High Heating Cap. (BTUH) @ 47°F	11,500	12,000	18,000	24,000	30,000	36,000
Low Heating Cap. (BTUH) @ 17°F	6,400	6,400	9,000	13,800	17,800	21,200
Heating Amps	4.2	4.2	6.7	9.1	11.0	14.0
<b>INDOOR UNIT</b>						
Air flow (CFM)	441/382/265	441/382/265	706/559/441	853/765/618	971/842/736	971/842/736
Fan Speeds (Hi/Med/Lo)	3	3	3	3	3	3
Sound Level (dBA) H-M-L	43/37/31	43/37/31	47/40/31	50/45/40	50/47/43	50/46/42
<b>AIR DIRECTION</b>						
Vertical Adjustment	Remote	Remote	Remote	Remote	Remote	Remote
Horizontal (left/right)	Manual	Manual	Manual	Manual	Manual	Manual
Auto Swing	Remote	Remote	Remote	Remote	Standard	Standard
<b>INDICATOR LAMPS</b>						
ON/OFF	Yes	Yes	Yes	Yes	Yes	Yes
24 Hr. Timer	Yes	Yes	Yes	Yes	Yes	Yes
Defrost	Yes	Yes	Yes	Yes	Yes	Yes
Temperature Setting Range	On Remote: 62°F - 86°F			On Remote: 62°F - 88°F		
<b>INDOOR UNIT DIMENSIONS</b>						
Width (inches)	32 <sup>7</sup> / <sub>8</sub>	32 <sup>7</sup> / <sub>8</sub>	39	46 <sup>11</sup> / <sub>16</sub>	56 <sup>7</sup> / <sub>8</sub>	56 <sup>7</sup> / <sub>8</sub>
Height (inches)	11	11	12 <sup>7</sup> / <sub>16</sub>	13 <sup>7</sup> / <sub>16</sub>	13 <sup>3</sup> / <sub>8</sub>	13 <sup>3</sup> / <sub>8</sub>
Depth (inches)	7 <sup>13</sup> / <sub>16</sub>	7 <sup>13</sup> / <sub>16</sub>	8 <sup>9</sup> / <sub>16</sub>	10 <sup>3</sup> / <sub>16</sub>	10 <sup>7</sup> / <sub>8</sub>	10 <sup>7</sup> / <sub>8</sub>
Net Wt/Shipping Wt (lbs.)	17.6/22	18.7/24.3	26.5/30.9	40.8/50.7	53/70.6	53/70.6
<b>OUTDOOR UNIT DIMENSIONS</b>						
Width (inches)	29 <sup>15</sup> / <sub>16</sub>	29 <sup>15</sup> / <sub>16</sub>	33 <sup>1</sup> / <sub>4</sub>	35 <sup>7</sup> / <sub>16</sub>	35 <sup>7</sup> / <sub>16</sub>	39
Height (inches)	23 <sup>1</sup> / <sub>4</sub>	23 <sup>1</sup> / <sub>4</sub>	27 <sup>9</sup> / <sub>16</sub>	33 <sup>7</sup> / <sub>8</sub>	33 <sup>7</sup> / <sub>8</sub>	38
Depth (inches)	11 <sup>1</sup> / <sub>4</sub>	11 <sup>1</sup> / <sub>4</sub>	12 <sup>5</sup> / <sub>8</sub>	12 <sup>7</sup> / <sub>16</sub>	12 <sup>7</sup> / <sub>16</sub>	13 <sup>9</sup> / <sub>16</sub>
Net Wt/Shipping Wt (lbs.)	73.9/77.2	73.9/77.2	102.5/111.3	130.1/138.9	156.5/165.4	180.8/189.6
<b>ELECTRICAL DATA OUTDOOR UNIT*</b>						
Main Power Connection	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit
Min. Circuit Ampacity	9A	9A	13A	15A	16A	20A
Max. Fuse/HACR Circuit Breaker	15A	15A	20A	25A	25A	30A
Recommended Indoor/Outdoor Connecting Cable Type	14 AWG / 4 conductor 600V THHN unshielded stranded bare copper					
<b>LINE SETS O.D. (inch)</b>						
Liquid Connection (flare) (inch)	1/4	1/4	1/4	3/8	3/8	3/8
Suction Connection (flare) (inch)	3/8	1/2	1/2	5/8	5/8	5/8
Maximum Line Set Length <sup>1</sup>	82 feet	82 feet	98 feet	98 feet	82 feet	82 feet
Maximum Elevation (outdoor) <sup>2</sup>	33 feet	33 feet	66 feet	66 feet	32 feet	32 feet

\* Always follow local, state and national electrical codes.  
Main power connection is 208-230V.

<sup>1</sup> Min. 10 ft. line set recommended.

<sup>2</sup> Oil traps should be installed every 16.5 to 23 feet (5-7m) when the outdoor unit is installed above the indoor unit.

\*\* Energy Star compliant models: 9K, 12K, 18K and 24K.

**Warranty—6 years on compressor, 2 years on parts**  
(Some limitations apply; see printed warranty for details.)

