

Single Zone Ductless Mini-Splits



Now-heating & cooling at extremely low ambient temperatures!

Our new UltraV Series features a wide operating range with higher capacities in low temperatures. This allows the unit to operate in the cooling or heating mode with 100% output even when the outdoor temperature is 0°F.

With this broad ambient range, the units are well suited to installations requiring year 'round conditioning, both residential and light commercial. Operating range:

-22° to 122° F Cooling -22° to 86° F Heating

Advanced inverter technology means the room will reach the preset temperature quickly and that the temperature will be constant without the fluctuations that occur in other systems due to on-off cycling. Energy usage is kept to a minimum as units run at low frequency most of the time. However, when required the unit ramps up automatically to reach and maintain the comfort level

Warranty—7 years on compressor, 2 years on parts (Some limitations apply; see printed warranty for details.)

Features

- 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—Gold fin filter delivers improved indoor air quality
- Defrost Control—Longer defrost cycle effectively removes any frost accumulation on the coil as needed
- **"Follow" Feature**—Remote senses temperature where occupant is, automatically adjusts to maintain setpoint
- Twin Rotary Compressor—Designed for wide operating range and minimal vibration

Due to ongoing product improvements, specifications and dimensions are subject to change and correction without notice or incurring obligations. Determining the application and suitability for use of any product is the responsibility of the installer. Additionally, the installer is responsible for verifying dimensional data on the actual product prior to beginning any installation preparations.

Third party incentive and rebate programs have precise requirements as to product performance and certification. All products meet applicable regulations in effect on date of manufacture; however, certifications are not necessarily granted for the life of a product. Therefore, it is the responsibility of the applicant to determine whether a specific model qualifies for these incentive/rebate programs.



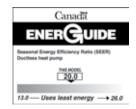


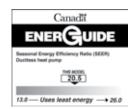
'VMH' UltraV Series

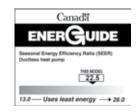
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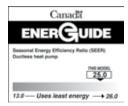


VMH095U-1*					
Decoling Capacity (BTUH)	FEATURES	VMH09SU-I*	VMH12SU-I*	VMH18SU-I*	VMH24SU-I*
SEER 25.00 22.50 20.50 20.00	Power Supply	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
14.50 12.50 12.50 12.50 12.50 12.50 12.50 15.5	Cooling Capacity (BTUH)	9,000	12,000	17,000	24,000
11.20 12.00 10.3	SEER	25.00	22.50	20.50	20.00
Cooling Amps 2.7	EER	14.50	12.50	12.50	12.50
Dehumidification (Pts/Hr.) 2.32 2.75 3.59 5.49	HSPF	11.20	12.00	10.30	10.30
Heating Cap. (BTUH) @ 47F	Cooling Amps	2.7	4.2	5.95	8.4
Description	Dehumidification (Pts/Hr.)	2.32	2.75	3.59	5.49
Name	Hi Heating Cap. (BTUH) @ 47°F	10,900	11,800	18,000	24,000
NDOOR UNIT	Lo Heating Cap. (BTUH) @ 0°F	11,021	12,201	18,008	24,085
Air flow (CFM) 418/324/247 418/324/247 599/411/353 794/647/500 Fan Speeds (Hi/Med/Lo) 3 3 3 3 3 3 Air Dispeeds (Hi/Med/Lo) 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Heating Amps	3.63	4.24	7.4	10.9
San Speeds (Hi/Med/Lo) 3 3 3 3 3 3 3 3 3	INDOOR UNIT				
Asympton Asympton	Air flow (CFM)	418/324/247	418/324/247	599/411/353	794/647/500
AIR DIRECTION Vertical Adjustment Remote	Fan Speeds (Hi/Med/Lo)	3	3	3	3
Vertical Adjustment Remote Remote Remote Remote Horizontal (left/right) Manual Manual Manual Manual Auto Swing Remote Remote Remote Remote NDICATOR LAMPS DN/OFF Yes Yes Yes Yes Yes 24 Hr. Timer Yes Yes Yes Yes Yes Yes Defrost Yes Yes<	Sound Level (dBa) H-M-L	45/36/27	46/36/27	48/39/29	50/45/39
Manual Remote R	AIR DIRECTION				
Auto Swing Remote Remote Remote Remote NDICATOR LAMPS DN/OFF Yes Yes Yes Yes Yes Yes 24 Hr. Timer Yes Yes Yes Yes Yes Defrost Temperature Setting Range 62° to 90° F Cooling; 62° to 86° F Heating (on remote) NDOOR UNIT DIMENSIONS Width (inches) 327/8 327/8 39 46¹¹¹/16 Height (inches) 11 11 12²/16 13³/16 Depth (inches) 7¹³/16 7¹³/16 88³/16 10³/16 Net Wt/Shipping Wt (lbs.) 19.8/25.4 19.8/26.7 26.9/34.8 40.1/50.3 DUTDOOR UNIT DIMENSIONS Width (inches) 31¹/2 31¹/2 33¹/4 37¹/4 Height (inches) 21¹³/16 21¹³/16 27 5/8 31³/8 Depth (inches) 13¹/8 13¹/8 14⁵/16 16⁵/16 Net Wt/Shipping Wt (lbs.) 88.2/93.7 88.2/93.7 107.4/115.1 135.6/148.8 ELECTRICAL DATA OUTDOOR UNIT † Main Power Connection Outdoor Unit 208/230-1-60 Min. Circuit Ampacity 9A 9A 18A 20A Max. Fuse/HACR Circuit Breaker 15A 15A 25A 30A Indoor/Outdoor Connecting Cable Type 600V THHN unshielded stranded bare copper LINE SETS O.D. (inch) Liquid Connection (flare) (in.) 1/4 1/4 1/4 3/8 Suction Connection (flare) (in.) 3/8 1/2 1/2 5/8 Max. Line Set Length¹ 82 feet 82 feet 98 feet 164 feet	Vertical Adjustment	Remote	Remote		
NDICATOR LAMPS Yes	Horizontal (left/right)	Manual	Manual	Manual	Manual
Yes Yes	Auto Swing	Remote	Remote	Remote	Remote
Yes Yes	INDICATOR LAMPS				
Yes Yes	ON/OFF	Yes	Yes	Yes	Yes
NDOOR UNIT DIMENSIONS	24 Hr. Timer	Yes	Yes	Yes	Yes
Min. Circuit Ampacity Max. Fuse/HACR Circuit Breaker 15A 15A 20A 14AWG / 4 conductor Cable Type 15A 15A 15A 20A 14AWG / 4 conductor Cable Type 16A 1	Defrost	Yes	Yes	Yes	Yes
Midth (inches) 327/8 327/8 39 4611/16 137/16 137/16 137/16 137/16 137/16 137/16 137/16 137/16 137/16 137/16 137/16 137/16 103/16	Temperature Setting Range				
Height (inches)	INDOOR UNIT DIMENSIONS				
Depth (inches) 713/16 713/16 89/16 103/16 Net Wt/Shipping Wt (lbs.) 19.8/25.4 19.8/26.7 26.9/34.8 40.1/50.3 DUTDOOR UNIT DIMENSIONS Width (inches) 311/2 311/2 331/4 371/4 Height (inches) 2113/16 2113/16 27 5/8 317/8 Depth (inches) 131/8 131/8 145/16 169/16 Net Wt/Shipping Wt (lbs.) 88.2/93.7 88.2/93.7 107.4/115.1 135.6/148.8 ELECTRICAL DATA OUTDOOR UNIT * Main Power Connection Outdoor Unit 208/230-1-60 Min. Circuit Ampacity 9A 9A 18A 20A Max. Fuse/HACR Circuit Breaker 15A 15A 25A 30A Indoor/Outdoor Connecting Cable Type 600V THHN unshielded stranded bare copper LINE SETS O.D. (inch) Liquid Connection (flare) (in.) 1/4 1/4 1/4 3/8 Suction Connection (flare) (in.) 3/8 1/2 1/2 5/8 Max. Line Set Length¹ 82 feet 82 feet 98 feet 164 feet	Width (inches)	32 ⁷ / ₈	32 ⁷ / ₈	39	4611/16
Net Wt/Shipping Wt (lbs.) 19.8/25.4 19.8/26.7 26.9/34.8 40.1/50.3	Height (inches)	П	11	127/16	137/16
Midth (inches) 31 2 31 2 33 4 37 4 37 4 4 4 4 4 4 4 4 4	Depth (inches)	713/16	713/16	89/16	103/16
Width (inches) 311/2 311/2 331/4 37/4 Height (inches) 2113/16 2113/16 275/8 317/8 Depth (inches) 131/8 131/8 145/16 169/16 Net Wt/Shipping Wt (lbs.) 88.2/93.7 88.2/93.7 107.4/115.1 135.6/148.8 ELECTRICAL DATA OUTDOOR UNIT * Outdoor Unit 208/230-1-60 Min. Circuit Ampacity 9A 9A 18A 20A Max. Fuse/HACR Circuit Breaker 15A 15A 25A 30A Indoor/Outdoor Connecting Cable Type 14AWG / 4 conductor 600V THHN unshielded stranded bare copper LINE SETS O.D. (inch) 1/4 1/4 1/4 3/8 Suction Connection (flare) (in.) 3/8 1/2 1/2 5/8 Max. Line Set Length¹ 82 feet 82 feet 98 feet 164 feet	Net Wt/Shipping Wt (lbs.)	19.8/25.4	19.8/26.7	26.9/34.8	40.1/50.3
Height (inches) 21 3 16 21 3 16 27 5 8 31 7 8 13 7 8 14 5 16 16 7 16 16 7 16 16	OUTDOOR UNIT DIMENSION	IS .			
Depth (inches) 131/8 131/8 145/16 169/16	Width (inches)	311/2	311/2	331/4	371/4
Net Wt/Shipping Wt (lbs.) 88.2/93.7 88.2/93.7 107.4/115.1 135.6/148.8	Height (inches)	2113/16	2113/16	27 ⁵ / ₈	3 I ⁷ /8
Main Power Connection Outdoor Unit 208/230-1-60 Min. Circuit Ampacity 9A 9A 18A 20A Max. Fuse/HACR Circuit Breaker 15A 15A 25A 30A Indoor/Outdoor Connecting 14AWG / 4 conductor Cable Type 600V THHN unshielded stranded bare copper INE SETS O.D. (inch) Liquid Connection (flare) (in.) 1/4 1/4 1/4 3/8 Suction Connection (flare) (in.) 3/8 1/2 1/2 5/8 Max. Line Set Length 82 feet 82 feet 98 feet 164 feet	Depth (inches)	131/8	131/8	145/16	16 ⁹ /16
Main Power Connection Outdoor Unit 208/230-1-60 Min. Circuit Ampacity 9A 9A 18A 20A Max. Fuse/HACR Circuit Breaker 15A 15A 25A 30A Indoor/Outdoor Connecting Cable Type 14AWG / 4 conductor 600V THHN unshielded stranded bare copper 600V THHN unshielded stranded bare copper LINE SETS O.D. (inch) 1/4 1/4 1/4 3/8 Liquid Connection (flare) (in.) 3/8 1/2 1/2 5/8 Max. Line Set Length¹ 82 feet 82 feet 98 feet 164 feet	Net Wt/Shipping Wt (lbs.)	88.2/93.7	88.2/93.7	107.4/115.1	135.6/148.8
Min. Circuit Ampacity 9A 9A 18A 20A Max. Fuse/HACR Circuit Breaker 15A 15A 25A 30A Indoor/Outdoor Connecting Cable Type LINE SETS O.D. (inch) Liquid Connection (flare) (in.) 1/4 1/4 1/4 3/8 Suction Connection (flare) (in.) 3/8 1/2 1/2 5/8 Max. Line Set Length¹ 82 feet 82 feet 98 feet 164 feet	ELECTRICAL DATA OUTDOO	R UNIT ‡			
Max. Fuse/HACR Circuit Breaker I5A	Main Power Connection		Outdoor Unit	208/230-1-60	
I 4AWG / 4 conductor Cable Type LINE SETS O.D. (inch) Liquid Connection (flare) (in.) Suction Connection (flare) (in.) Max. Line Set Length 82 feet 82 feet 98 feet 164 feet	Min. Circuit Ampacity	9A	9A	18A	20A
Cable Type 600V THHN unshielded stranded bare copper LINE SETS O.D. (inch) 1/4 1/4 1/4 3/8 Juction Connection (flare) (in.) 3/8 1/2 1/2 5/8 Max. Line Set Length¹ 82 feet 82 feet 98 feet 164 feet	Max. Fuse/HACR Circuit Breaker	15A	I5A	25A	30A
Liquid Connection (flare) (in.) 1/4 1/4 1/4 3/8 Suction Connection (flare) (in.) 3/8 1/2 1/2 5/8 Max. Line Set Length¹ 82 feet 82 feet 98 feet 164 feet	Indoor/Outdoor Connecting Cable Type				
Liquid Connection (flare) (in.) 1/4 1/4 1/4 3/8 Suction Connection (flare) (in.) 3/8 1/2 1/2 5/8 Max. Line Set Length¹ 82 feet 82 feet 98 feet 164 feet	LINE SETS O.D. (inch)				
Suction Connection (flare) (in.) 3/8 1/2 1/2 5/8 Max. Line Set Length¹ 82 feet 82 feet 98 feet 164 feet	Liquid Connection (flare) (in.)	1/4	1/4	1/4	3/8
Max. Line Set Length 82 feet 82 feet 98 feet 164 feet	Suction Connection (flare) (in.)	3/8	1/2	1/2	5/8
	Max. Line Set Length	82 feet	82 feet	98 feet	164 feet
	Max. Elevation (outdoor) ²	33 feet	33 feet	66 feet	82 feet



















[‡] Always follow local, state and national electrical codes

Min. 10 ft. line set recommended

Oil traps should be installed every 16.5 to 23 feet (5-7m) when the outdoor unit is installed above the indoor unit