

UltraV Series

Mix and match indoor units up to the maximum BTUHs allowed for each system—see chart for possible combinations.

Order outdoor and indoor units separately:

“A” indicates outdoor unit and
“B” indicates indoor units.

Advantages of Inverter Technology

The inverter on a mini-split is like the cruise control on a vehicle. The inverter-driven compressor automatically adjusts its speed to quickly reach and then maintain the set point. When maximum capacity is not needed, the compressor speed decreases—and with it the power output also decreases, resulting in improved energy efficiency. Once the set point is reached, the system “cruises along,” keeping the temperature constant, but responding if the demand changes.

- Reaches the desired temperature quickly
- Provides precise temperature control and continuous dehumidification (cooling mode)
- Extends component life by eliminating on-off cycling
- Operates at ultra-quiet level
- Saves energy by matching the compressor speed to the demand; rated up to 28 SEER and 14.5 EER
- Delivers extra heating capacity even at low ambient temperatures
- Has internal Pan Heater

OUTDOOR UNITS				
FEATURES	A-VMH18DV-1	A-VMH28TV-1	A-VMH36QV-1	A-VMH48PV-1
Cooling Capacity	19,000	28,000	36,000	48,000
SEER	22	22.5	21.8	21.5
EER	12.5	12.5	13.6	11.6
HSPF 4	10.2	11.3	11	11
Heating at 5 F°-15°C° Maximum capacity	19,000	24,000	36,000	48,000
Air flow (CFM)	2130	2130	4500	4500
Sound Level (dBA) H-M-L	61	63	63	65
OUTDOOR UNIT DIMENSIONS				
Width (inches)	37.24	37.24	37.48	37.48
Height (inches)	31.89	31.89	52.48	52.48
Depth (inches)	16.14	16.14	16.34	16.34
Net Wt/Shipping Wt (lbs.)	138.23/149.03	167.99/179.67	223.11/253.97	238.32/269.84
ELECTRICAL DATA OUTDOOR UNIT*				
Main Power Connection	Outdoor Unit 208/230-1-60			
Min. Circuit Ampacity	20	25	40	42
Max Fuse/HACR. Circuit Breaker	25	40	60	50
Indoor/Outdoor Connecting Cable Type	14 awg/ 4 conductor 600V THNN unshielded stranded bare copper			
LINE SETS O.D. (inch)				
Liquid Connection (flare) (in.)	2 x 1/4"	3 x 1/4"	4 x 1/4"	5 x 1/4"
Suction Connection (flare) (in.)	2 x 3/8"	3 x 3/8"	3 x 3/8" 1 x 1/2"	3 x 3/8" 2 x 1/2"
Max. length for all rooms	131	197	262	262
Max. length for one indoor unit	82	98	115	115
Max. height difference between indoor units	33	33	33	33

*Actual performance will vary based on the application, including the size(s) and mix of indoor units installed.



A-VMH18DV-1

Ambient Operating Temperature Range:

-22° - 122° F (cooling)
-22° - 86° F (heating)
(48K: -13° to 86° F)

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

**See the IOM regarding various adapters and fittings which may be included with outdoor and/or indoor models for making connections.

Required Indoor/Outdoor Connecting Cable (SJOW)—14 AWG / 4 conductor 600V THHN unshielded stranded bare copper, not to exceed 115 feet between indoor and outdoor units.

¹ For single indoor unit installation; min. 10 ft. line set length required.

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

NOTE: Maximum line set length varies based on number of indoor units installed. See IOM for details.



Canada
ENERGUIDE
Seasonal Energy Efficiency Ratio (SEER) Air source heat pump
THIS MODEL A-VMH18DV-1 [19.00-22.00]
14.0 — Uses least energy —> 42.0

Canada
ENERGUIDE
Seasonal Energy Efficiency Ratio (SEER) Air source heat pump
THIS MODEL A-VMH28TV-1 [20.00-22.50]
14.0 — Uses least energy —> 42.0

Canada
ENERGUIDE
Seasonal Energy Efficiency Ratio (SEER) Air source heat pump
THIS MODEL A-VMH36QV-1 [19.00-21.80]
14.0 — Uses least energy —> 42.0

Canada
ENERGUIDE
Seasonal Energy Efficiency Ratio (SEER) Air source heat pump
THIS MODEL A-VMH48PV-1 [20.20-21.50]
14.0 — Uses least energy —> 42.0