

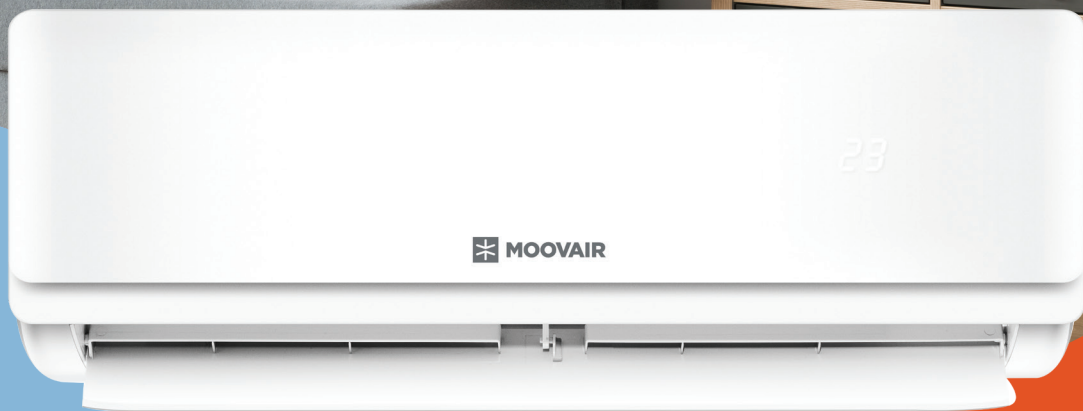


# MOOVAIR

up to  
**20.5 SEER**

VARIABLE SPEED  
WALL MOUNTED HEAT PUMPS

# M21



Performance in  
heating down to



**-20°C**

Limited Warranty

**10  
YEARS**

COMPRESSOR  
& PARTS

# Welcome home, to flexible comfort.

Flexibility is the quality of being easily adapted or of offering different options. This is the M21 heatpump. Manufactured to the highest quality standards, with the Canadian climate in mind, every Moovair heat pump performs flawlessly. So go out, enjoy the summer because you can rest assured your Moovair heat pump is taking care of the rest.



## Comfort for all seasons

Seasonal changes are inevitable, and bring significant fluctuations in temperature, especially in Canada. You and your family can count on the performance and reliability of Moovair heat pumps to ensure you enjoy the seasons outside, while your home remains consistently comfortable. From scorching summers to freezing winters, the power of Moovair M21 heat pumps turns your home into a cozy and comforting refuge, despite temperatures as low as  $-20^{\circ}\text{C}$ .

## Reliability you can count on

Built to last, Moovair heat pumps are covered by one of the best warranties in the industry: 10-year limited warranty on parts and compressor. Optional 5 and 10-year labor warranties available.



OR



Moovair dealers are supported by The Master Group, Canada's largest independently Canadian owned HVAC-R distributor. Through its 70 year history, The Master Group distinguishes itself for its extensive inventory, technical expertise, and exceptional customer service.

# Key features



## Epic cooling performance

The Moovair M21 heat pump is designed to offer optimal performance, especially in the heat of summer and offers comforting warmth in the cooler months.



## Inverter technology

The Moovair M21 heat pump utilizes Inverter technology, which minimizes fluctuations in temperature by reducing the number of start / stop cycles generating higher energy savings and uncompromising comfort.



## Follow me function

Senses the room temperature from the remote control, not the wall unit, allowing for targeted, improved comfort control.



## Intelligent anti-cold air function

Regulates the fan speed according to temperature to prevent cold air from blowing out at the beginning of operation.



## 25-stage compressor frequency control

Precise compressor frequency control modulates the system capacity in 25 increments to closely match the comfort demand.



## Double filtration

Includes an air filter to capture dust particles, and a second air freshening filter.



## Silent mode

Hit the mute button to silence all operational notification alerts.



## Turbo mode

Maximum heating or cooling at the press of a button.



## Self-clean function

Prevents mold and mildew by automatically cleaning and drying the indoor coil.



## Dry mode

Sets the fan to a whisper to quietly dehumidify.



## 5-speed ventilation

Thanks to the DC motor, the unit offers five ventilation settings, compared to standard units offering only two speeds. Allowing for more effective air control and quality.



## Auto restart

When restoring service following a power failure, the unit automatically resumes operation in less than three minutes while saving all previously selected settings.



## Emergency function

When a temperature error occurs, the unit displays an error code and continues operating properly rather than stopping abruptly.



## Outdoor heating cables

Heating cables installed around the compressor and at the base of the outdoor unit ensure a smooth start and prevent ice build-up in harsh winter conditions.



## Optional Wi-Fi & Bluetooth

Control the M21 heat pump with your smart device.



Cooling only models also available. Ask your dealer for additional information.

# Technical specifications

| HEAT PUMP SYSTEM                               |                               | 9,000 BTU             | 12,000 BTU            | 18,000 BTU            | 24,000 BTU            | 30,000 BTU            | 36,000 BTU            |
|--|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Indoor model                                   |                               | DMA09HIW2111S1        | DMA12HIW2111S1        | DMA18HIW21230S1       | DMA24HIW21230S1       | DMA30HIW21230S1       | DMA36HIW21230S1       |
| Outdoor model                                  |                               | DMA09HOS2111S1        | DMA12HOS2111S1        | DMA18HOS21230S1       | DMA24HOS21230S1       | DMA30HOS21230S1       | DMA36HOS21230S1       |
| Power supply V/Ph/Hz                           |                               | 115/1/60              | 115/1/60              | 208-230/1/60          | 208-230/1/60          | 208-230/1/60          | 208-230/1/60          |
| Cooling  | Capacity BTU/h                | 9,000                 | 12,000                | 18,000                | 24,000                | 30,000                | 36,000                |
|  | Min. – max. cooling BTU/h     | 2,650~10,300          | 4,300~12,600          | 3,900~20,000          | 6,704~25,300          | 7,200~31,600          | 8,900~36,300          |
|  | EER BTU/Wh                    | 12.5                  | 10.3                  | 10.5                  | 9                     | 10.5                  | 8.5                   |
|  | SEER BTU/Wh                   | 20.5                  | 20                    | 19                    | 18                    | 18.6                  | 17.5                  |
| Heating  | Capacity BTU/h                | 10,000                | 12,000                | 18,800                | 24,000                | 30,000                | 36,000                |
|  | Min. – max. heating BTU/h     | 2,700~10,500          | 4,000~12,500          | 6,300~19,400          | 6,900~28,100          | 10,600~32,500         | 11,400~37,800         |
|  | COP W/W                       | 2.93                  | 3.13                  | 2.93                  | 3.03                  | 2.71                  | 2.47                  |
|  | HSPF (Region 4) BTU/Wh        | 10                    | 10.5                  | 10                    | 9.8                   | 9.5                   | 12                    |
| Max. fuse (A)                                  |                               | 30                    | 25                    | 20                    | 30                    | 30                    | 35                    |
| Compressor type                                |                               | Rotary                | Rotary                | Rotary                | Twin rotary           | Rotary                | Rotary                |
| Indoor air flow (Hi/Med/Low) m <sup>3</sup> /h |                               | 420/310/220           | 525/350/300           | 660/440/370           | 1 000/765/600         | 1,350/1,050/800       | 1,245/880/680         |
| Indoor air flow (Hi/Med/Low) CFM               |                               | 247.06/182.35/129.41  | 308.82/205.88/176.47  | 388.24/258.82/217.65  | 588.24/450/352.94     | 794.12/617.65/470.59  | 732.35/517.65/400     |
| Indoor noise level (Hi/Med/Low) dB(A)          |                               | 36.5/31/22            | 41.5/30.5/26          | 43.5/34.5/30.0        | 45.5/39.5/35          | 51.5/47.5/44          | 56.5/54.5/40          |
| Indoor model                                   | Width x Depth x Height mm     | 722 × 187 × 290       | 802 × 189 × 297       | 965 × 215 × 319       | 1,080 × 226 × 335     | 1,259 × 282 × 362     | 1,259 × 282 × 362     |
|  | Width x Depth x Height in     | 28.43 × 7.36 × 11.42  | 31.57 × 7.44 × 11.69  | 37.99 × 8.46 × 12.56  | 42.52 × 8.90 × 13.19  | 49.57 × 11.10 × 14.25 | 49.57 × 11.10 × 14.25 |
|  | Net/Gross weight kg           | 7.7/10.1              | 9/11                  | 10.8/14.3             | 13.6/17.5             | 17/22.9               | 18.3/23.9             |
|  | Net/Gross weight lbs          | 16.98/22.27           | 19.84/24.25           | 23.81/31.53           | 29.98/38.58           | 37.48/50.49           | 40.34/52.69           |
| Outdoor noise level dB(A)                      |                               | 55                    | 53.50                 | 57                    | 60                    | 61.5                  | 61.5                  |
| Outdoor model                                  | Width x Depth x Height mm     | 765 × 303 × 555       | 765 × 303 × 555       | 805×330×554           | 890 × 342 × 673       | 946 × 410 × 810       | 946 × 410 × 810       |
|  | Width x Depth x Height in     | 30.12 × 11.93 × 21.85 | 30.12 × 11.93 × 21.85 | 31.69 × 12.99 × 21.81 | 35.04 × 13.46 × 26.50 | 37.24 × 16.14 × 31.89 | 37.24 × 16.14 × 31.89 |
|  | Net/Gross weight kg           | 26.2/28.8             | 28.2/30.7             | 33.5/36.2             | 44.4/47.4             | 64.3/68.9             | 68.1/72.1             |
|  | Net/Gross weight lbs          | 57.76/63.49           | 62.17/67.68           | 73.85/79.81           | 97.88/104.50          | 141.76/151.90         | 150.13/158.95         |
| Refrigerant piping                             | Liquid side, Gas side in      | 1/4 / 3/8             | 1/4 / 1/2             | 1/4 / 1/2             | 3/8 / 5/8             | 3/8 / 5/8             | 3/8 / 5/8             |
|  | Max. ref. pipe length m (ft)  | 25 (82)               | 25 (82)               | 30 (98)               | 50 (164)              | 50 (164)              | 65 (213)              |
|  | Max. height difference m (ft) | 10 (32.8)             | 10 (32.8)             | 20 (66)               | 25 (82)               | 25 (82)               | 30 (98)               |
| Thermostat type                                |                               | Remote control        | Remote control        | Remote control        | Remote control        | Remote control        | Remote control        |
| Refrigerant precharge ft                       |                               | 25                    | 25                    | 25                    | 25                    | 25                    | 25                    |
| Operating temperature range                    | Indoor (cooling/heating) °C   | 17~32/0~30            | 17~32/0~30            | 17~32/0~30            | 17~32/0~30            | 17~32/0~30            | 17~32/0~30            |
|  | Indoor (cooling/heating) °F   | 62~90/32~86           | 62~90/32~86           | 62~90/32~86           | 62~90/32~86           | 62~90/32~86           | 62~90/32~86           |
|  | Outdoor (cooling/heating) °C  | -20~50/-20~50         | -20~50/-20~50         | -20~50/-20~50         | -20~50/-20~50         | -20~50/-20~50         | -20~50/-20~50         |
|  | Outdoor (cooling/heating) °F  | -4~122/-4~122         | -4~122/-4~122         | -4~122/-4~122         | -4~122/-4~122         | -4~122/-4~122         | -4~122/-4~122         |

## THE MOOVAIR EFFECT

Backed by 70 years of HVAC experience, Moovair was developed with the harsh Canadian climate in mind. We created reliable, energy-efficient products that take care of the environment as well as your comfort and peace of mind because your home is at the heart of your well-being. That is the Moovair Effect.



Authorized dealer

