



# 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					
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

