



WALL MOUNTED HEAT PUMPS

M23

VARIABLE SPEED

Up to 23.5 SEER



Limited Warranty
10
YEARS
COMPRESSOR
& PARTS



MOOVAIR



Performance in heating down to  **-25°C**

Comfort season after season

Constant temperatures, all year round

Moovair heat pumps are manufactured using state-of-the-art technology and the highest quality standards, ensuring constant comfort in every room of the house, in every season.

Ignore the harshest cold weather of winter: the M23 offers superior heating capacity and wraparound comfort at temperatures as low as -25°C.

Power and energy savings

Moovair heat pumps are equipped with high efficiency Inverter Quattro technology, which modulates compressor operation to limit temperature fluctuations and reduce energy consumption.

Discreet and refined contemporary design

A small masterpiece of technology with a rather discreet character, the M23 does not need to stand out: it simply offers superior performance in a sleek and small sized cabinet, ideal for interior design enthusiasts.

A warranty for many years

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



OR



Your Moovair dealer is supported by The Master Group, the largest independent HVAC-R distributor in Canada. For over 67 years, The Master Group has distinguished itself for its extensive inventory, exceptional customer service and technical expertise. An additional assurance for peace of mind for many years.



Reliability

day after day



Performance in heating down to -25°C

designed to offer optimal performance, even during the coldest days of the year;



ECO mode

intelligent compressor control system at less than 15Hz, limiting high frequency operation of compressor and fan;



25-stage compressor frequency control

gentle and precise control to increase the frequency range of the compressor from 10 to 25 stages for more comfort and energy savings;



Inverter Quattro technology

achieves energy savings and uniform temperature by reducing the number of start / stop cycles;



Follow me function

displays the room temperature from the remote control, not the thermostat, allowing a better adjustment of the desired temperature and increased comfort;



Do not disturb

allows you to disable the sound and display functions for greater operating discretion;



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;



Turbo mode

available in air conditioning and heating modes, allows you to reach the desired temperature in no time;



Air conditioning at low temperature

can operate in cooling mode at very low outside temperatures;



Intelligent anti-cold air function

prevents unpleasant cold drafts for a comforting feeling of warmth as soon as the unit is switched on in heating mode;



5-speed ventilation

five ventilation settings (compared to 2 for standard units) resulting in greater comfort and energy savings;



Frost protection

maintained temperature at 8 ° C in unoccupied homes to prevent freezing;



Self clean function

prevents mold and mildew by drying the indoor coil;



Outdoor 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;



Double filtration

a first filter eliminates dust and large particles such as pollen and animal hair. The second filter is carbon activated to absorb fine particles such as smoke and bacteria;



Silent mode

ideal for those who want a quiet environment, light sleepers and infants sensitive to external noise;



Emergency function

when a temperature error occurs, the unit displays an error code and continues operating normally rather than stopping abruptly;



Optional wall controller

available for all Moovair units.

Technical specifications

HEAT PUMP SYSTEM		9,000 BTU	12,000 BTU	18,000 BTU	24,000 BTU
Indoor model		DM09HIW23230E3	DM12HIW23230E3	DM18HIW23230E3	DM24HIW23230E3
Outdoor model		DM09HOS23230E2	DM12HOS23230E2	DM18HOS23230E2	DM24HOS23230E2
Power supply V/Ph/Hz		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
	Min. - max. cooling BTU/h	3,100-12,030	3,790-12,730	4,500-18,000	7,600-27,510
	EER BTU/Wh	14.9	13.7	13	13.7
	SEER BTU/Wh	23.5	22.7	21	20.7
Heating	Capacity BTU/h	9,800	12,000	18,000	25,000
	Min. - max. heating BTU/h	3,009-12,700	3,880-13,660	4,870-19,590	7,800-29,740
	COP W/W	3.80	3.53	3.40	3.75
	HSPF (Region 4) BTU/Wh	10.8	11	10.4	11.5
Max. fuse (A)		15	15	20	25
Compressor type		rotary	rotary	rotary	rotary
Indoor air flow (Hi/Med/Low) m ³ /h		628/455/333	631/466/336	901/697/501	1180/1060/824
Indoor air flow (Hi/Med/Low) CFM		370/268/196	371/274/198	530/410/295	695/624/485
Indoor noise level (Hi/Med/Low) dB(A)		41.7/33.4/26.5	45.1/35.8/28.6	46.2/36.3/30.9	51.7/44.5/ 35.1
Indoor model	Width x Depth x Height mm	835×198×280	835×198×280	990×218×315	1186×258×343
	Width x Depth x Height in	32.87×7.80×11.02	32.87×7.80×11.02	38.98×8.58×12.40	46.69×10.16×13.39
	Net/Gross weight kg	9/11.5	9/12.1	12.2/15.8	18.1/24.3
	Net/Gross weight lbs	19.8/25.4	19.8/26.7	26.9/34.8	39.9/53.6
Outdoor noise level dB(A)		55	55	60	61
Outdoor model	Width x Depth x Height mm	770×300×555	800×333×554	845×363×702	946×410×810
	Width x Depth x Height in	30.31×11.81×21.85	31.5×13.11×21.81	33.27×14.29×27.64	37.24×16.14×31.89
	Net/Gross weight kg	28/30.3	34.8/37.5	48.5/51.0	62/67.4
	Net/Gross weight lbs	61.73/66.8	76.72/82.67	106.9/112.4	136.69/148.59
Refrigerant piping	Liquid side, Gas side in	1/4", 3/8"	1/4", 1/2"	1/4", 1/2"	3/8", 5/8"
	Max. refrigerant pipe length m (ft)	25 (82)	25 (82)	30 (98)	50 (164)
	Max. height difference m (ft)	10 (33)	10 (33)	20 (66)	25 (82)
Thermostat type		remote control	remote control	remote control	remote control
Refrigerant precharge ft		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
	Indoor (cooling/heating) °F	62-90/32-86	62-90/32-86	62-90/32-86	62-90/32-86
	Outdoor (cooling/heating) °C	-25-50/-25-30	-25-50/-25-30	-25-50/-25-30	-25-50/-25-30
	Outdoor (cooling/heating) °F	-13-122/-13-86	-13-122/-13-86	-13-122/-13-86	-13-122/-13-86



MOOVAIR



Authorized dealer