

MOOVAIR COLD CLIMATE AIR SOURCE HEAT PUMP



Looking to save money on heating costs and carbon taxes, while also reducing your carbon footprint?

Replacing and converting a low-efficiency heating & cooling system with an ultra high-efficiency fully electric system is your best option! Fully electric systems have come a long way and are now simple and affordable.

Plus, they may qualify for \$6500 Government Grants*!

- Up to 20 SEER cooling
- Up to 12 HSPF



FEATURES & BENEFITS

Epic performance. Central-Moov heat pumps were built for epic performance thanks to energy-saving HEAT+ and Inverter drive technology. Its outstanding operation has earned a best in-class ranking as well as recognition from organizations dedicated to the promotion of energy efficient appliances such as ENERGY STAR* and NEEP.

Innovative Inverter technology. Central-Moov heat pumps incorporate the latest innovation in Inverter drive technology which saves energy by reducing the number of compressor stops and starts. The modulation by 1% increments up to 100% capacity efficiently maintains the set temperature. This innovative technology ensures maximum comfort with maximum energy efficiency.

HEAT+. Extreme cold weather is no match for Central-Moov. HEAT+ technology provides optimal heat at low temperatures with minimal energy consumption. The Central-Moov Series units can achieve up to 100% of their rated capacity at -20°C while maintaining a high COP at temperatures as low as -30°C.

Whisper-quiet operation. Home comfort is best enjoyed in peaceful, serene surroundings, whether inside or out. Central-Moov provides whisper-quiet performance inside, while the side discharge design of the outdoor unit provides ultra-quiet operation as low as 58 dB(A) outside allowing you to enjoy your outdoor space without unwanted noise.

Small, but mighty. Central-Moov's compact, side discharge condenser is up to 40% smaller than traditional heat pumps. The smaller units offer greater flexibility for installation and a more aesthetically pleasing finished look.

Year-round comfort. Sub-zero temperatures and inclement weather are no match for Central-Moov's power packed condenser. The indoor unit accepts the factory optional electric resistance heat banks ranging in sizes from 5 to 25 kilowatts depending on the model.

Reliability you can count on. 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 labor coverage of 5 and 10 years are also available.

THE CLIMATECARE DIFFERENCE *Get to know our units*

For those that want to get to the heart of our units, we've outlined some specs below to give you a detailed view of the unit you're investing in. We believe in transparency and we 100% stand by the quality of the heating and cooling systems we sell and the expertise of your local ClimateCare member. It's just part of the ClimateCare difference.



SPECIFICATIONS



ClimateCare is Ontario's largest cooperative of local, independent heating and cooling retail contractors. We offer a 100% Satisfaction Guarantee – if you are not happy with our service, we'll make it right.

HEAT PUMP SYSTEM		18,000 BTU*	24,000 BTU*	30,000 BTU*	36,000 BTU*	48,000 BTU*	60,000 BTU*
Outdoor model		DMA18HOS20230E7	DMA24HOS20230E7	DMA30HOS20230E7	DMA36HOS20230E7	DMA48HOS20230E7	DMA60HOS19230E7
Indoor model		FMA18HIAHUU230X7	FMA24HIAHUU230X7	FMA30HIAHUU230X7	FMA36HIAHUU230X7	FMA48HIAHUU230X7	FMA60HIAHUU230X7
HEAT + Technology		Yes	Yes	Yes	Yes	Yes	NO
Power supply V/Ph/Hz		208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Cooling	Capacity BTU/h	18,000 (6,880~21,000)	24,000 (6400~27000)	30,000 (10,400~33,600)	36,000 (12,000~47,400)	47,000 (18,000~48,000)	57,000 (14,000~60,200)
	EER BTU/Wh	12.5	12.5	11	10.5	8.5	10.3
	SEER BTU/Wh	20	20	18	18	16	18
Heating	Capacity BTU/h	19,000 (2,800~21,000)	24,000 (10,100~31,000)	33,000 (12,000~37,000)	40,000 (9,000~57,200)	50,000 (20,000~55,000)	60,000 (11,400~63,100)
	COP W/W	3.59	3.45	3.48	3.45	3	3.55
	HSPF (Region 4) BTU/Wh	11	12	10.5	10.5	10	9.2
Max. fuse (A)		20	35	35	50	50	60
Compressor type		Twin rotary	Twin rotary	Rotary	Rotary	Rotary	Rotary
Indoor air flow (Hi/Mi/Lo) m ³ /h (CFM)		980/900/830 (576.47/529.41/488.24)	1,290/1,180/1,070 (758.82/694.12/629.41)	1,520/1,370/1,210 (894.12/805.88/711.76)	1,840/1,650/1,470 (1082.35/970.59/864.71)	2,180/1,860/1,540 (1282.35/1094.12/905.88)	2,690/2,310/1,930 (1582.35/1358.82/1135.29)
Indoor noise level (Hi/Mi/Lo) dB(A)		36/34/32	43/40.5/35	43/40/30.5	46.8/44/41.3	53/50/46	52.5/49/44
Indoor model	Width x Depth x Height mm	534 × 445 × 1,143	534×445×1,143	534 × 534 × 1,245	534 × 534 × 1,245	534 × 534 × 1,245	534 × 622 × 1,346
	Width x Depth x Height in	21.02 × 17.52 × 45	21.02 × 17.52 × 45	21.02 × 21.02 × 49.02	21.02 × 21.02 × 49.02	21.02 × 21.02 × 49.02	21.02 × 24.49 × 52.99
	Net/Gross weight kg (lbs)	48/58.7 (105.82/129.41)	47.9/57.8 (105.60/127.43)	58.6/70.6 (129.19/155.64)	58.6/70.6 (129.19/155.64)	59.2/70.9 (130.51/156.31)	73.8/86.5 (162.70/190.70)
Outdoor fan motor	Number of fans	1	1	1	2	2	2
	Speed r/min	800/700/580	950/700/500/400	950/900/500	850/750/650	850/750/650	900/850/650
Outdoor noise level dB(A)		58	64	61.5	64	64	61
Outdoor model	Width x Depth x Height mm	890 × 342 × 673	946 × 410 × 810	946 × 410 × 810	952 × 415 × 1,333	952 × 415 × 1,333	952 × 415 × 1,333
	Width x Depth x Height in	35.04 × 13.46 × 26.50	37.24 × 16.14 × 31.89	37.24 × 16.14 × 31.89	37.48 × 16.34 × 52.48	37.48 × 16.34 × 52.48	37.48 × 16.34 × 52.48
	Net/Gross weight kg (lbs)	46.7/49.8 (102.95/109.79)	62/66 (136.69/145.50)	72.5/77 (159.83/169.75)	103/116 (227.07/255.73)	99.9/112.9 (220.24/248.90)	98.5/112.7 (217.15/248.46)
Refrigerant precharge (ft)		25	25	25	25	25	25
Refrigerant piping	Liquid side/Gas side mm (in)	9.52/19 (3/8 / 3/4)	9.52/19 (3/8 / 3/4)	9.52/19 (3/8 / 3/4)	9.52/19 (3/8 / 3/4)	9.52/19 (3/8 / 3/4)	9.52/22 (3/8 / 7/8)
	Max. refr. pipe length m (ft)	30 (98)	50 (164)	65 (213)	65 (213)	65 (213)	65 (213)
	Max. difference in level m (ft)	20 (66)	25 (82)	30 (98)	30 (98)	30 (98)	30 (98)
Thermostat type		Wired control	Wired control	Wired control	Wired control	Wired control	Wired control
Room temperature	Indoor (cooling/heating) °C	16~32/0~30	16~32/0~30	16~32/0~30	16~32/0~30	16~32/0~30	16~32/0~30
	Indoor (cooling/heating) °F	60~90/32~86	60~90/32~86	60~90/32~86	60~90/32~86	60~90/32~86	60~90/32~86
	Outdoor (cooling/heating) °C	-30~50/ -30~24	-30~50/ -30~24	-30~50/ -30~24	-30~50/ -30~24	-30~50/ -30~24	-20~50/ -20~24
	Outdoor (cooling/heating) °F	-22~122/-22~75	-22~122/-22~75	-22~122/-22~75	-22~122/-22~75	-22~122/-22~75	-4~122/-4~75