



MOOVAIR

-30°C* | **HEAT+**
Up to 20 SEER

Central-Moov

MATCHED COIL ADD-ON SYSTEM



Eligible for grant up to **\$5,000**
Canada **Greener Homes Grant**

Limited Warranty
10 YEARS
COMPRESSOR & PARTS



Performance in heating down to  **-30°C***

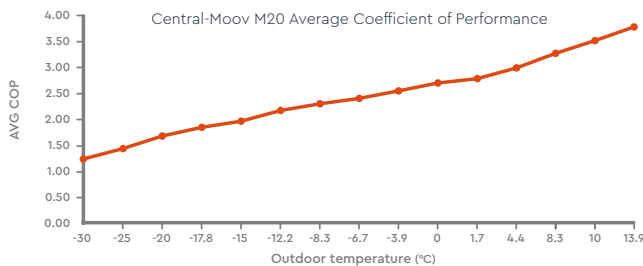
*From 69 to 76% of rated heating capacity at -30°C. Refer to capacity tables for more information.

Home comfort is our priority

Moovair products are designed by Canadians for the Canadian climate with your comfort and well-being in mind. A Central Moov heat pump system maintains the serenity of your home by keeping you cozy all year round in whisper-quiet, energy efficient comfort.

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.



NRCAN and the Government of Canada define the Coefficient of Performance (COP) of a heat pump as the ratio between the rate at which the heat pump transfers thermal energy (in kW), and the amount of electrical power required to do the pumping (in kW). For example, if a heat pump used 1kW of electrical energy to transfer 3 kW of heat, the COP would be 3.

Innovative Inverter technology

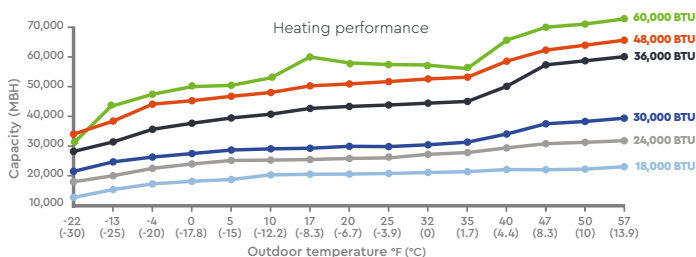
Central-Moov heat pumps incorporate the latest innovation in Inverter drive technology which saves energy by reducing the number of compressor stops and starts. The modulation by 1% increments up to 100% capacity efficiently maintains the set temperature. This innovative technology ensures maximum comfort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



Inverter driven compressor

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.

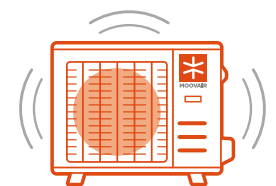


Whisper-quiet operation

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.



Traditional central system: 73 dB(A)

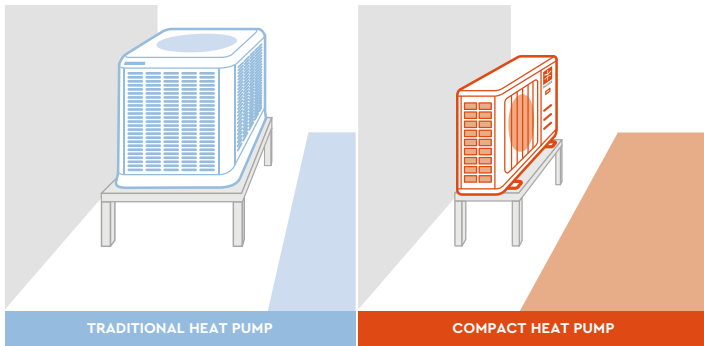


Central-Moov system: 58 dB(A)



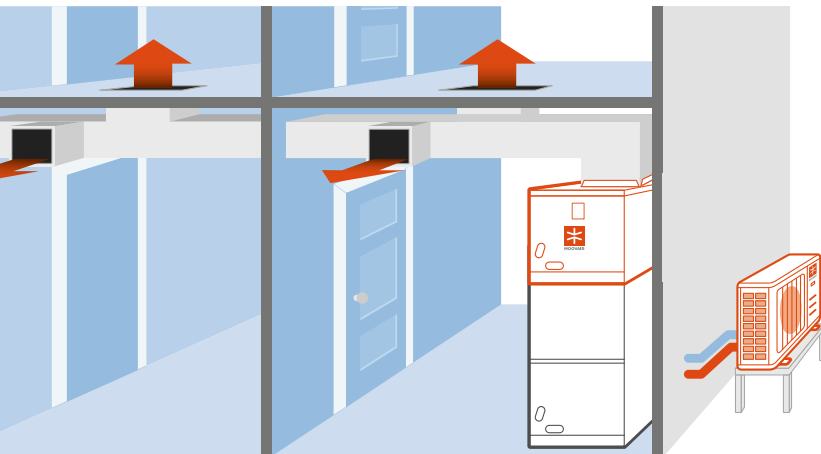
Year-round comfort

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.



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.



Designed for the Canadian climate and consumer grants

Canadian climate ready, the Central-Moov with the Moovair branded AHRI matched coil is approved for add-on applications and meets the toughest NRCAN ccASHP consumer grant requirements.



OR



The Central-Moov condenser is controlled with a wide variety of 24V thermostat choices (thermostat not included).

Add-on technical specifications

HEAT PUMP SYSTEM		18,000 BTU*	24,000 BTU*	30,000 BTU	36,000 BTU
Outdoor model (M20)		DMA18HOS20230E7	DMA24HOS20230E7	DMA30HOS20230E7	DMA36HOS20230E7
Indoor Cased Coil model (CUB)		CUB24HAC20BWT7A	CUB24HAC20BWT7A	CUB36HAC20CWT7A	CUB36HAC20CWT7A
HEAT + Technology		Yes	Yes	Yes	Yes
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 at 95°F/35°C	18,000 (5,500 - 22,000)	24,000 (7,100-28,400)	30,000 (9,900 - 35,000)	35,000 (11,700 - 40,000)
	EER2 BTU/Wh	11.7	10.7	10.5	10.0
	SEER2 BTU/Wh	16.5	16.8	15.5	15.2
Heating	Capacity BTU/h at 47°F/8.3°C	19,000 (5,900 - 23,600)	25,000 (8,500 - 33,400)	33,000 (9,000 - 37,000)	39,000 (9,200 - 50,000)
	Capacity BTU/h at 5°F/-15°C	15,000 (3,800 - 15,000)	20,000 (5,000 - 20,000)	27,000 (6,800 - 27,000)	32,000 (8,000 - 32,000)
	Capacity maintenance at 5°F/-15°C	78%	80%	81%	82%
	HSPF2 (Region 4) BTU/Wh	9.5	9.5	9.7	10.0
Max. fuse (A)		20	35	35	50
Compressor type		Twin rotary	Twin rotary	Rotary	Rotary
Minimum CFM requirement - indoor unit		600	800	1000	1200
Indoor coil data	Type	Cased / Multi-Position			
	Width x Depth x Height mm	445 x 533 x 457	445 x 533 x 457	533 x 533 x 610	533 x 533 x 610
	Width x Depth x Height in	17.5 x 21.0 x 18.0	17.5 x 21.0 x 18.0	21.0 x 21.0 x 24.0	21.0 x 21.0 x 24.0
	Weight kg (lbs)	19.5 (43.0)	19.5 (43.0)	29.5 (65.0)	29.5 (65.0)
Outdoor fan motor	Number of fans	1	1	1	2
	Speed r/min (min - max)	580-800	400 - 950	500 - 950	650 - 850
Outdoor noise level dB(A)		58	64	61.5	64
Outdoor model	Width x Depth x Height mm	890 x 342 x 673	946 x 410 x 810	946 x 410 x 810	952 x 415 x 1,333
	Width x Depth x Height in	35.0 x 13.5 x 26.5	37.2 x 16.0 x 31.9	37.2 x 16.0 x 31.9	37.5 x 16.4 x 52.5
	Weight kg (lbs)	49.8 (110)	66 (145.50)	77 (169.75)	116 (255.73)
Refrigerant precharge (ft)		25	25	25	25
Refrigerant piping	Liquid side/Gas side mm (in)	9.52 x 19 (3/8 x 3/4)	9.52 x 19 (3/8 x 3/4)	9.52 x 19 (3/8 x 3/4)	9.52 x 19 (3/8 x 3/4)
	Max. refr. pipe length m (ft)	30 (98)	50 (164)	65 (213)	65 (213)
	Max. elevation difference m (ft)	20 (66)	25 (82)	30 (98)	30 (98)
Control type (24V controller not included)		Wired 24V control	Wired 24V control	Wired 24V control	Wired 24V control
Operating temperature range	Indoor (cooling/heating)	16 - 32°C / 0 - 30°C 60 - 90°F / 32 - 86°F	16 - 32°C / 0 - 30°C 60 - 90°F / 32 - 86°F	16 - 32°C / 0 - 30°C 60 - 90°F / 32 - 86°F	16 - 32°C / 0 - 30°C 60 - 90°F / 32 - 86°F
	Outdoor (cooling/heating)	-30 - +50°C / -30 - +25°C -22 - +122°F / -22 - +75°F	-30 - +50°C / -30 - +25°C -22 - +122°F / -22 - +75°F	-30 - +50°C / -30 - +25°C -22 - +122°F / -22 - +75°F	-30 - +50°C / -30 - +25°C -22 - +122°F / -22 - +75°F
AHRI certification #		212361758	212361759	212361760	212361761
Eligible for Greener Home Grant**		Yes	Yes	Yes	Yes

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.

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

