



# MOOVAIR

**-30°C\*** | **HEAT+**  
Up to 20 SEER

CENTRALLY DUCTED SYSTEM  
WITH SIDE DISCHARGE CONDENSER

# Central-Moov



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

Limited Warranty  
**10 YEARS**  
COMPRESSOR & PARTS



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

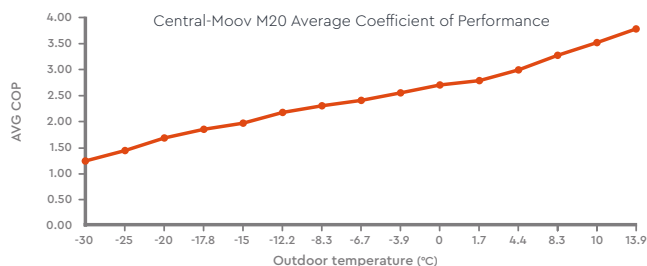
\*From 69 to 76% of rated heating capacity at -30°C. Refer to capacity tables for more information.

# 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

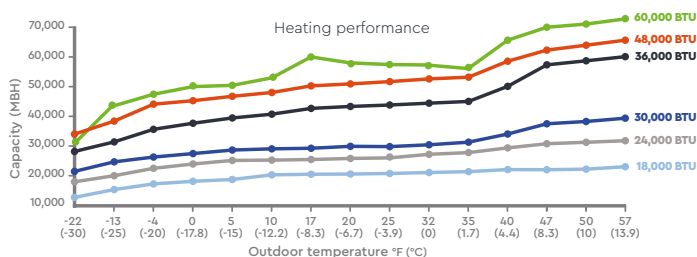
Central-Moov heat pumps were built for epic performance thanks to energy-saving HEAT+ and Inverter drive technology. Its outstanding operation has earned a best-in-class ranking as well as recognition from organizations dedicated to the promotion of energy efficient appliances such as ENERGY STAR\* and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

## 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.



## 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.



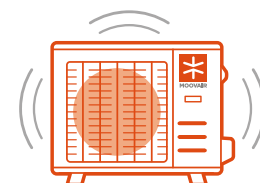
Inverter driven compressor

## Whisper-quiet operation

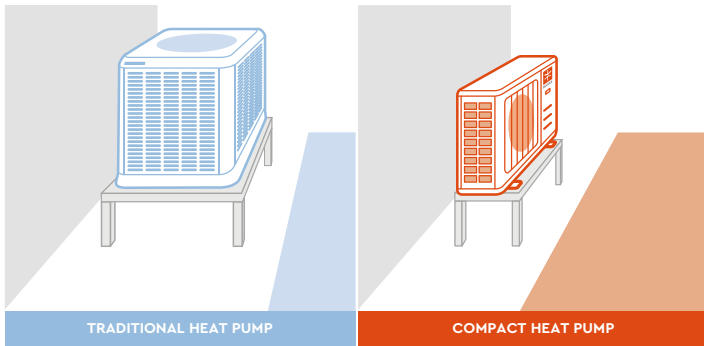
Home comfort is best enjoyed in peaceful, serene surroundings, whether inside or out. Central-Moov provides whisper-quiet performance inside, while the side discharge design of the outdoor unit provides ultra-quiet operation as low as 58 dB(A) outside allowing you to enjoy your outdoor space without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



Traditional central system: 73 dB(A)



Central-Moov system: 58 dB(A)

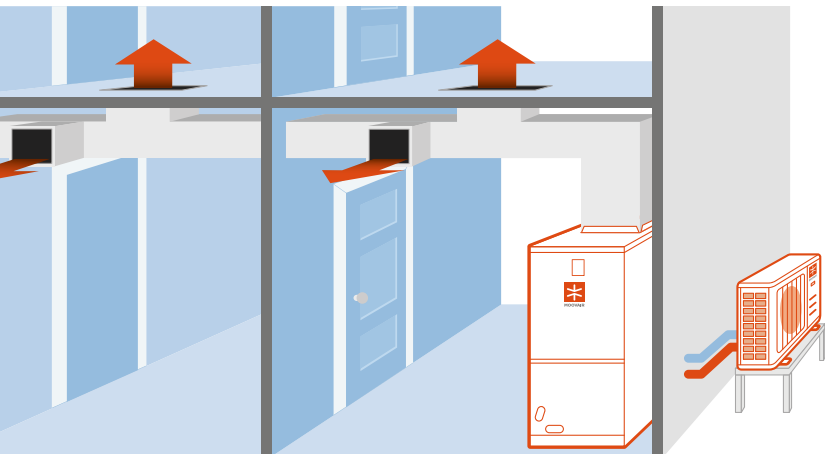


## Year-round comfort

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.



## 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.



OR



Whether you choose the included Moovair thermostat or any other compatible thermostat, you can trust your Moovair dealer to help you choose the model best suited to your needs.



# Technical specifications

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	DMA60HOS20230E7
Indoor model		FMA18HIAHUU230X7	FMA24HIAHUU230X7	FMA30HIAHUU230X7	FMA36HIAHUU230X7	FMA48HIAHUU230X7	FMA60HIAHUU230X7
HEAT + Technology		Yes	Yes	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	208-230/1/60	208-230/1/60
Cooling	Capacity BTU/h	18,000 (6,880~21,000)	24,000 (6,400~27,000)	30,000 (10,000~33,600)	36,000 (13,000~47,400)	47,000 (15,000~48,000)	55,000 (14,000~56,000)
	EER2 BTU/Wh	12.4	11.7	10	10	8.2	8.8
	SEER2 BTU/Wh	18	17.4	16.2	16	15.6	15.3
Heating	Capacity BTU/h	19,000 (2,800~21,000)	24,000 (10,100~31,000)	33,000 (11,500~37,000)	40,000 (11,000~57,200)	50,000 (11,000~55,000)	59,000 (13,400~69,000)
	COP2 W/W	3.64	3.35	3.3	3.36	3.15	3.42
	HSPF2 (Region 4) BTU/Wh	9.3	10	8.9	9.5	9.4	9.4
Max. fuse (outdoor) (A)		20	35	35	50	50	60
Compressor type		Twin rotary	Twin rotary	Rotary	Rotary	Rotary	Rotary
Indoor air flow (Hi/Mi/Lo) m <sup>3</sup> /h (CFM)		980/900/830 576.47/529.41/488.24	1290/1180/1070 758.82/694.12/629.41	1520/1370/1210 894.12/805.88/711.76	1840/1650/1470 1082.35/970.59/864.71	2180/1860/1540 1282.35/1094.12/905.88	32690/2310/1930 1582.35/1358.82/1135.29
Indoor noise level (Hi/Mi/Lo) dB(A)		34/31/30	39/36/33	42/40.5/36.5	45/43/41	50/47/43.5	51/45.5/41.5
Indoor unit	Width x Depth x Height mm	534x445x1143	534x445x1143	534x534x1245	534x534x1245	534x534x1245	534x622x1346
	Width x Depth x Height in	21.02x17.52x45.00	21.02x17.52x45.00	21.02x21.02x49.02	21.02x21.02x49.02	21.02x21.02x49.02	21.02x24.49x52.99
	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	73.8/87.5 162.70/192.90
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	850/750/650
Outdoor noise level dB(A)		57	62	60.5	64	64	63.5
Outdoor unit	Width x Depth x Height mm	890x342x673	946x410x810	946x410x810	952x415x1333	952x415x1333	952x415x1333
	Width x Depth x Height in	35.04x13.46x26.50	37.24x16.14x31.89	37.24x16.14x31.89	37.48x16.34x52.48	37.48x16.34x52.48	37.48x16.34x52.48
	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	108.8/123.2 239.86/271.61
Refrigerant precharge ft (m)		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 (98.42)	50 (164.04)	50 (164.04)	65 (213.25)	65 (213.25)	65 (213.25)
	Max. difference in level m (ft)	20 (65.62)	25 (82.02)	25 (82.02)	30 (98.42)	30 (98.42)	30 (98.42)
Moisture removal (L/h)		1.67	1.98	3.41	3.49	4.96	5.55
Thermostat type		Wired control	Wired control	Wired control	Wired control	Wired control	Wired control
Room temp.	Indoor (cooling) °C/°F	16~32 / 60~90	16~32 / 60~90	16~32 / 60~90	16~32 / 60~90	16~32 / 60~90	16~32 / 60~90
	Indoor (heating) °C/°F	0~30 / 32~86	0~30 / 32~86	0~30 / 32~86	0~30 / 32~86	0~30 / 32~86	0~30 / 32~86
	Outdoor (cooling) °C/°F	-15~50 / 5~122	-15~50 / 5~122	-15~50 / 5~122	-15~50 / 5~122	-15~50 / 5~122	-15~50 / 5~122
	Outdoor (heating) °C/°F	-30~24 / -22~75	-30~24 / -22~75	-30~24 / -22~75	-30~24 / -22~75	-30~24 / -22~75	-30~24 / -22~75
Eligible for Greener Home Grant**		Yes	Yes	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.



Authorized Canadian Independent Dealer

