MOOVAIR®

THE EXCLUSIVE
HEATING & COOLING
PARTNER OF THE

Canadian Hockey League

CENTRAL-MOOV

Centrally ducted cold climate heat pump system



Best Pick
2025
ProtégezVous.
MOOVAIR

UP TO
19
SEER2

UP TO
8.6
HSPF2-5

INVERTER

HEATING PERFORMANCE DOWN TO
-30°C

HEAT+

R454B

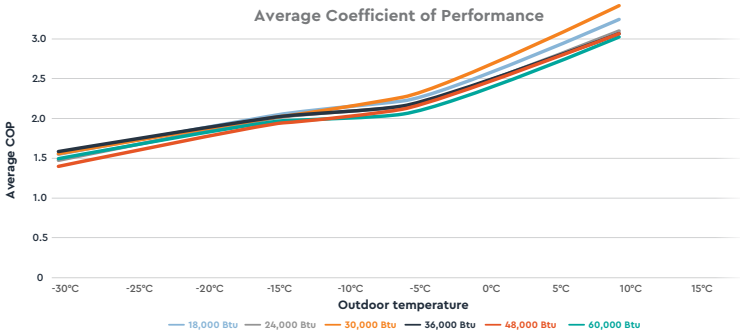
Experience whole-home harmony

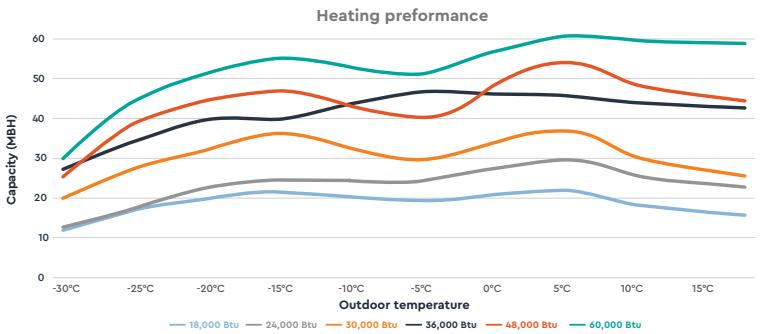
Moovair® products are designed for the Canadian climate with your comfort and well-being in mind. A Central-Moov cold climate heat pump system maintains the serenity of your home by providing whisper-quiet, energy-efficient comfort all year round.

Epic performance

Central-Moov heat pump systems were built for epic performance with energy-saving HEAT+ and Inverter drive technology. Its outstanding operation has industry leading performance as well as recognition from organizations dedicated to the promotion of energy efficient appliances such as ENERGY STAR® and NEEP.

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





	18,000 BTU	24,000 BTU	30,000 BTU	36,000 BTU	48,000 BTU	60,000 BTU
-30°C	1.54	1.43	1.55	1.59	1.32	1.46
-15°C	2.08	2.03	2.04	2.04	1.9	1.92
-8.3°C	2.32	2.21	2.39	2.23	2.17	2.08
8.3°C	3.49	3.28	3.74	3.23	3.23	3.17

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.



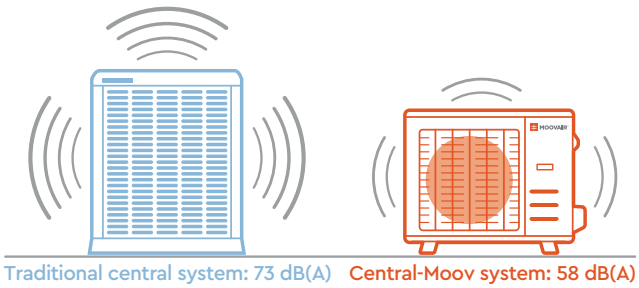
Innovative Inverter technology

Central-Moov heat pump systems feature innovative Inverter drive technology, which saves energy by reducing the number of compressor stops and starts. Modulation increases by 1% increments up to 100% capacity to efficiently maintain the set temperature. This innovative technology ensures maximum comfort and energy efficiency.

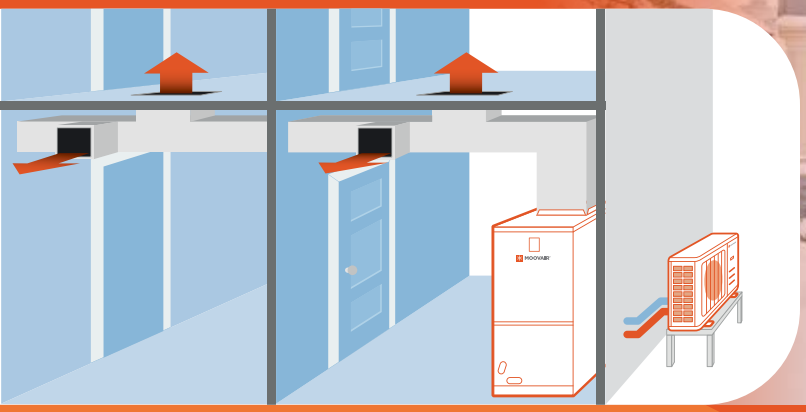
Inverter driven compressor

Whisper-quiet operation

Home comfort requires a peaceful, serene environment, both indoors and outdoors. 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.



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.

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.



R410A
37.48"x16.34"x52.48"

R454B
38.58"x16.34"x38.39"

Built-In Refrigerant Leak Detection

Our new heat pumps feature a built-in refrigerant safety sensor for added peace of mind. It continuously monitors leaks and, if detected, instantly shuts down the compressor, keeps air safely circulating and sends a service alert. This protection lets you enjoy the comfort and efficiency of next generation refrigerants like R-454B, backed by 24/7 safety technology.

Reliability you can count on

All Central-Moov systems are built to last and covered by one of the best warranties in the industry with a 10-year limited warranty on parts and compressor. 5 or 10-year labour warranty plans are available with a separate third-party purchase, please contact your dealer for details.











Whether you choose the new ST1S touchscreen thermostat or any other 24VAC compatible thermostat, you can trust your Moovair® dealer to help you choose the model best suited to your needs.

*Controller sold seperately

Technical specifications

Indoor Unit				MAHMA18R4AS*	MAHMA24R4AS*	MAHMA30R4AS*	MAHMA36R4AS*	MAHMA48R4AS*	MAHMA60R4AS*
Outdoor Unit				MSHMA18R2AN*	MSHMA24R2AN*	MSHMA30R2AN*	MSHMB36R2AN*	MSHMA48R2AN*	MSHMA60R2AN*
Nominal Capacity			Btu/h	18000	24000	30000	36000	48000	60000
Cooling	Rated @ 95°F (35°C)		Btu/h	18000	23000	30000	36000	48000	54000
	Min. @ 95°F (35°C)			5600	7200	12800	9700	15600	11400
	Max. @ 95°F (35°C)			22000	27000	39000	42000	51000	56300
	SEER2			19	18.3	16.8	17.4	16.5	16
	EER2			12.5	11.7	11.7	11.7	10.5	10
Heating	Rated @ 47°F (8.3°C)		Btu/h	19000	24000	34000	37000	50000	56000
	Min. @ 47°F (8.3°C)			6000	7100	10300	11000	15500	8100
	Max. @ 47°F (8.3°C)			22000	30000	38500	48000	57300	64500
	Rated COP @ 47°F (8.3°C)			3.2	3.33	3.65	3.6	3.4	3.1
	HSPF2 (IV)			9.7	10	10	10.3	9.5	9
	HSPF2 (V)			8	8	8.3	8.6	8	8
Outdoor Temperature Operating Range	Cooling		°C	-30~50	-30~50	-30~50	-30~50	-30~50	-30~50
			°F	-22~122	-22~122	-22~122	-22~122	-22~122	-22~122
	Heating		°C	-30~24	-30~24	-30~24	-30~24	-30~24	-30~24
			°F	-22~75	-22~75	-22~75	-22~75	-22~75	-22~75
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
MOCP (Maximum breaker)			A	20	20	30	30	40	40
MCA			A	16	19	29.5	29	38	40
MOCP (Indoor Unit; powered separately)			A	15	15	15	15	15	15
MCA (Indoor Unit; powered separately)			A	4	4	6	6	11	11
Alternate MCA @ 115V to Indoor Unit			A	5.5	5.5	8	8	14.5	14.5
Indoor Unit Dimensions	Net (WxDxH)		in.	17.52×21.02×45	17.52×21.02×45	21.02×21.02×49.02	21.02×21.02×49.02	24.49×21.02×52.99	24.49×21.02×52.99
			mm	445×534×1143	445×534×1143	534×534×1245	534×534×1245	622×534×1346	622×534×1346
Indoor Unit Weight	Net		lb	105.82	105.6	128.97	129.41	162.92	162.92
			kg	48	47.9	58.5	58.7	73.9	73.9
Outdoor Unit Dimensions	Net (WxDxH)		in.	35.04×13.46×26.5	35.04×13.46×26.5	37.24×16.14×31.89	38.58×16.34×38.39	38.58×16.34×38.39	37.48×16.34×52.48
			mm	890×342×673	890×342×673	946×410×810	980×415×975	980×415×975	952×415×1333
Outdoor Unit Weight	Net		lb	101.41	102.29	164.02	204.15	201.06	242.95
			kg	46	46.4	74.4	92.6	91.2	110.2
Indoor Unit Fan	Airflow (Turbo | High | Med. | Low | Silent)		CFM	618 | 577 | 530 | 489 | –	824 | 759 | 695 | 630 | –	989 | 895 | 806 | 712 | –	1189 | 1083 | 971 | 865 | –	1601 | 1472 | 1283 | 1095 | –	1807 | 1583 | 1360 | 1136 | –
	Noise (Turbo | High | Med. | Low | Silent)		dB(A)	- | 41 | 39 | 33 | –	- | 44 | 42 | 28 | –	47 | 46 | 43 | 27.5 | –	49 | 48 | 45.5 | 25.5 | –	- | 52 | 50 | 34 | –	54.5 | 52 | 49.5 | 34.5 | –
	Moisture Removal		l/h	1.65	2.05	2.77	3.4	3.85	5.87
	External Static Pressure Range		in. wc	0–0.8	0–0.8	0–0.8	0–0.8	0–0.8	0–0.8
Outdoor Unit Fan	Max. Airflow		CFM	1766	1766	3002	3002	3037	2649
Outdoor Unit Noise	Max.		dB(A)	59	60	60.5	62.5	65	65
Refrigerant Pre-Charge			oz	74.07	74.07	105.82	126.98	134.04	183.42
Pre-Charge Length			ft	24.6	24.6	24.6	24.6	24.6	24.6
Line Set	Liquid Line		in.	3/8	3/8	3/8	3/8	3/8	3/8
	Gas Line		in.	3/4	3/4	3/4	3/4	3/4	3/4
	Maximum Length		ft	98.4	164	164	246	246	246
	Maximum Height Difference		ft	65.6	82	82	98.4	98.4	98.4
Refrigerant				R454B	R454B	R454B	R454B	R454B	R454B
ENERGY STAR				✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	-	-
ENERGY STAR Cold Climate				✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1

Asterisk (*) in model number is placeholder for version suffix (1, 2, etc.). Do not include asterisk (*) in model inventory query.
Images shown are for illustration purposes only and may not represent the exact product model or configuration available.
Performance at standard test conditions. Values shown are approximate and may have been rounded for ease of reference.
Refer to product submittals for complete specifications. Specifications subject to change without notice.
The ENERGY STAR name and the ENERGY STAR symbol are trademarks registered in Canada.

Reliability isn't claimed. It's earned.

Best Pick 2025 – Protégez-Vous Consumer Reliability Survey

Backed by over 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.

With over 250k systems installed in Canada to date, Moovair has demonstrated proven performance and a track record of reliability in a growing heat pump market.

THE EXCLUSIVE HEATING & COOLING PARTNER OF THE Canadian Hockey League

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.

MOOVAIR®

Mooving Forward, Together.

Master HVAC-R

Canadian Independent Dealer

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