



MOOVAIR®

CENTRAL-MOOV A-COIL ADD-ON SYSTEM

designed for both new and retrofit electric
or hybrid (fossil fuel) installations



UP TO

16.1

SEER2



HEATING
PERFORMANCE
DOWN TO

-30°C

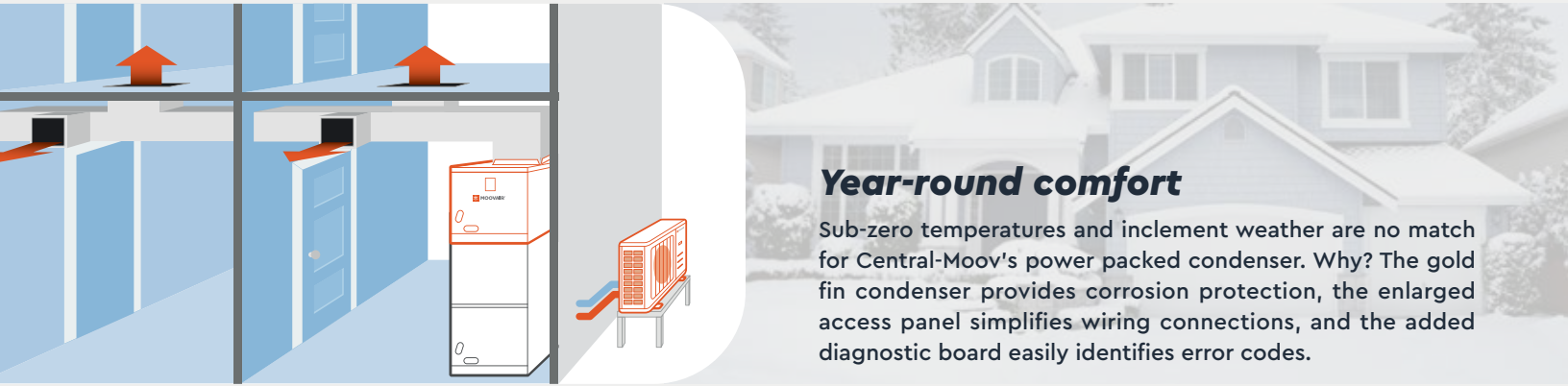


HEAT+



Experience whole-home harmony

Moovair® products are designed for the Canadian climate, keeping your comfort and well-being at the forefront. The Central-Moov add-on system delivers year-round energy efficient indoor comfort conditioning, creating an inviting home environment. Seamlessly integrate with the existing gas or electric furnace for a flexible hybrid solution, offering dual fuel or full electric operation giving you the freedom to switch between heat pump and furnace modes based on your needs.



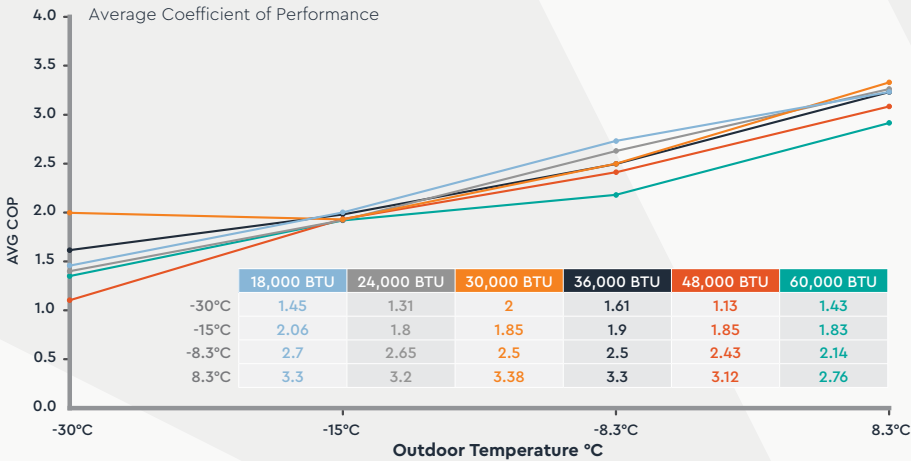
Technical specifications

HEAT PUMP SYSTEM				CASED COIL								UNCASED COIL					
				18,000 BTU	24,000 BTU	30,000 BTU	30,000 BTU	36,000 BTU	36,000 BTU	48,000 BTU	60,000 BTU	18,000 BTU	24,000 BTU	30,000 BTU	30,000 BTU	36,000 BTU	36,000 BTU
Indoor model				GCHMA24RBAS1	GCHMA24RBAS1	GCHMA36RBAS1	GCHMA36RCAS1	GCHMA36RBAS1	GCHMA36RCAS1	GCHMAA48RCAS1	GCHMA60RDAS1	GUHMA24RBAS1	GUHMA24RBAS1	GUHMA36RBAS1	GUHMA36RCAS1	GUHMA36RBAS1	GUHMA36RCAS1
Outdoor model				MSHMA18R2AN1	MSHMA24R2AN1	MSHMA30R2AN1	MSHMA30R2AN1	MSHMB36R2AN1	MSHMB36R2AN1	MSHMA48R2AN1	MSHMA60R2AN1	MSHMA18R2AN1	MSHMA24R2AN1	MSHMA30R2AN1	MSHMA30R2AN1	MSHMB36R2AN1	MSHMB36R2AN1
HEAT ⁺ Technology				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Power supply		V/Ph/Hz		208-230V/1Ph/60Hz	208-230V/1Ph/60Hz	208-230V/1Ph/60Hz	208-230V/1Ph/60Hz	208-230V/1Ph/60Hz	208-230V/1Ph/60Hz	208-230V/1Ph/60Hz	208-230V/1Ph/60Hz	208-230V/1Ph/60Hz	208-230V/1Ph/60Hz	208-230V/1Ph/60Hz	208-230V/1Ph/60Hz	208-230V/1Ph/60Hz	208-230V/1Ph/60Hz
Cooling	Capacity (range)	BTU/h		18,000 (5,600~22,800)	24,000 (7,900~27,600)	29,000 (13,900~37,000)	29,000 (13,900~37,000)	36,000 (12,100~41,000)	36,000 (12,100~41,000)	45,000 (16,000~48,000)	47,000 (17,600~53,400)	18,000 (5,600~22,800)	24,000 (7,900~27,600)	29,000 (13,900~37,000)	29,000 (13,900~37,000)	36,000 (12,100~41,000)	36,000 (12,100~41,000)
	EER2			11.7	10	11	11	10.7	10.7	10	10	11.7	10	11	11	10.7	10.7
	SEER2	BTU/h/W		16.1	16	16	16	15.8	15.8	15.2	15.2	16.1	16	16	16	15.8	15.8
Heating	Capacity (range)	BTU/h		19,000 (5,600~22,800)	25,000 (6,800~30,000)	32,000 (13,000~39,000)	32,000 (13,000~39,000)	38,000 (11,900~46,000)	38,000 (11,900~46,000)	48,000 (16,000~50,000)	58,000 (21,200~59,000)	19,000 (5,600~22,800)	25,000 (6,800~30,000)	32,000 (13,000~39,000)	32,000 (13,000~39,000)	38,000 (11,900~46,000)	38,000 (11,900~46,000)
	COP2	W/W		3.3	3.2	3.38	3.38	3.3	3.3	3.12	2.76	3.3	3.2	3.38	3.38	3.3	3.3
	HSPF2 Region V (Region IV)	BTU/h/W		7.8 (9.5)	7 (9.5)	8.2 (9.4)	8.2 (9.4)	7.9 (9.4)	7.9 (9.4)	7.4 (8.8)	6.8 (8.1)	7.8 (9.5)	7 (9.5)	8.2 (9.4)	8.2 (9.4)	7.9 (9.4)	7.9 (9.4)
Outdoor max. fuse/breaker			A	20	20	30	30	30	30	40	40	20	20	30	30	30	30
Outdoor compressor type				Rotary	Rotary	Rotary	Rotary	Twin-rotary	Twin-rotary	Twin-rotary	Twin-rotary	Rotary	Rotary	Rotary	Rotary	Twin-rotary	Twin-rotary
Indoor unit	Dimension (W*D*H)	mm		445×533.4×457	445×533.4×457	445×533.4×599	534×533.4×611	445×533.4×599	534×533.4×611	549×546×706	622×533.4×711	409.67×572.31×400.81	409.67×572.31×400.81	409.67×576.03×511.55	499.07×577.51×518.1	409.67×576.03×511.55	499.07×577.51×518.1
		in		17.52 × 21 × 17.99	17.52 × 21 × 17.99	17.52 × 21 × 23.58	21.02 × 21 × 24.06	17.52 × 21 × 23.58	21.02 × 21 × 24.06	21.61×21.5×27.8	24.49 × 21 × 27.99	16.13×22.53×15.78	16.13×22.53×15.78	16.13×22.68×20.14	19.65×22.74×20.4	16.13×22.68×20.14	19.65×22.74×20.4
	Net/Gross weight	kg		19/22.5	19/22.5	27/30.9	29.2/33.6	27/30.9	29.2/33.6	43.9/52.2	36.8/41.9	8.1/15.7	8.1/15.7	12.4/20.6	12.6/21.9	12.4/20.6	12.6/21.9
Outdoor fan motor	Qty			1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Speed (Hi/Mi/Lo)	r/min		780/700/550	810/700/450	850/800/750	850/800/750	800/750/650	800/750/650	850/800/750/650	850/850/750	780/700/550	810/700/450	850/800/750	850/800/750	800/750/650	800/750/650
Outdoor noise level			dB(A)	58	60	62	62	64	64	65	64	58	60	62	62	64	64
Outdoor unit	Dimension (W*D*H)	mm		890 × 342 × 673	890 × 342 × 673	946 × 410 × 810	946 × 410 × 810	980 × 415 × 975	980 × 415 × 975	980 × 415 × 975	952 × 415 × 1,333	890 × 342 × 673	890 × 342 × 673	946 × 410 × 810	946 × 410 × 810	980 × 415 × 975	980 × 415 × 975
		inch		35.04 × 13.46 × 26.5	35.04 × 13.46 × 26.5	37.24 x 16.14 x 31.89	37.24 x 16.14 x 31.89	38.58 × 16.34 × 38.39	38.58 × 16.34 × 38.39	38.58 x 16.34 x 38.39	37.48 × 16.34 × 52.48	35.04 × 13.46 × 26.5	35.04 × 13.46 × 26.5	37.24 x 16.14 x 31.89	37.24 x 16.14 x 31.89	38.58 × 16.34 × 38.39	38.58 × 16.34 × 38.39
	Net/Gross weight	kg		46/49.5	46/49.5	74.4/79.2	74.4/79.2	92.6/106.7	92.6/106.7	91.2/105.4	110.2/124.8	46/49.5	46/49.5	74.4/79.2	74.4/79.2	92.6/106.7	92.6/106.7
Refrigerant precharge			oz (kg)	74.08 (2.1)	74.08 (2.1)	105.82 (3)	105.82 (3)	126.99 (3.6)	126.99 (3.6)	134.04 (3.8)	183.42 (5.2)	74.08 (2.1)	74.08 (2.1)	105.82 (3)	105.82 (3)	126.99 (3.6)	126.99 (3.6)
Refrigerant piping	Liquid side	mm (in)		9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas side	mm (in)		19 (3/4)	19 (3/4)	19 (3/4)	19 (3/4)	19 (3/4)	19 (3/4)	19 (3/4)	19 (3/4)	19 (3/4)	19 (3/4)	19 (3/4)	19 (3/4)	19 (3/4)	19 (3/4)
	Max. refrigerant pipe length	mm (ft)		30 (98)	50 (164)	50 (164)	50 (164)	75 (246)	75 (246)	75 (246)	75 (246)	30 (98)	50 (164)	50 (164)	50 (164)	75 (246)	75 (246)
	Max. difference in level	mm (ft)		25 (82)	25 (82)	25 (82)	25 (82)	30 (98)	30 (98)	30 (98)	30 (98)	25 (82)	25 (82)	25 (82)	25 (82)	30 (98)	30 (98)
Moisture removal			L/h	2.05	2.89	3.7	3.7	4.91	4.91	/	7.06	2.05	2.89	3.7	3.7	4.91	4.91
Thermostat type				Wired control	Wired control	Wired control	Wired control	Wired control	Wired control	Wired control	Wired control	Wired control	Wired control	Wired control	Wired control	Wired control	Wired control
Room temperature	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)	16~32 (60~90)	16~32 (60~90)	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)	0~30 (32~86)	0~30 (32~86)	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)		-30~50 (-22~122)	-30~50 (-22~122)	-30~50 (-22~122)	-30~50 (-22~122)	-30~50 (-22~122)	-30~50 (-22~122)	-30~50 (-22~122)	-30~50 (-22~122)	-30~50 (-22~122)	-30~50 (-22~122)	-30~50 (-22~122)	-30~50 (-22~122)	-30~50 (-22~122)	-30~50 (-22~122)
	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)	-30~24 (-22~75)	-30~24 (-22~75)	-30~24 (-22~75)	-30~24 (-22~75)	-30~24 (-22~75)	-30~24 (-22~75)	-30~24 (-22~75)	-30~24 (-22~75)
Outdoor refrigerant type				R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B
ENERGY STAR V6.1				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ENERGY STAR V6.1 Cold Climate				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Product specifications may change without notice.

Epic performance

Central-Moov add-on systems 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 Moovair's HEAT⁺ technology delivering optimal heat at low temperatures with minimal energy consumption. The Inverter modulates from approximately 30% capacity and goes up in 1% increments to 100%.

Innovative Inverter technology

Central-Moov add-on heat pump systems incorporate the latest innovation in 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 is best enjoyed in peaceful, serene surroundings, whether inside or out. Central-Moov add-on 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)

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.



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.



Moovair® has become the fastest growing line of ductless products in Canada.

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 150k systems installed in Canada to date, Moovair has demonstrated proven performance and a track record of reliability in a growing heat pump market.

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.



Mooving Forward, Together.

Authorized Canadian Independent Dealer

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Product specifications may change without notice. Images shown are for illustration purposes only and may not represent the exact product model or configuration available

