



**MOOVAIR®**

# **CENTRAL-MOOV** **ADD-ON COIL SYSTEM**

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



UP TO  
**16.1**  
SEER2

HEATING  
PERFORMANCE  
DOWN TO  
**-30°C**



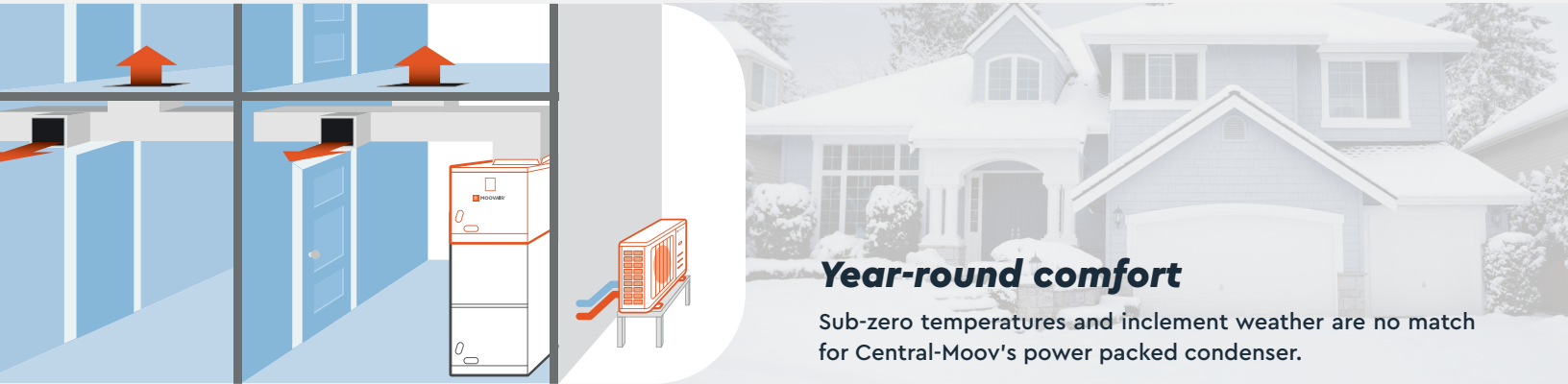
**HEAT+**





# 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.



## Year-round comfort

Sub-zero temperatures and inclement weather are no match for Central-Moov's power packed condenser.

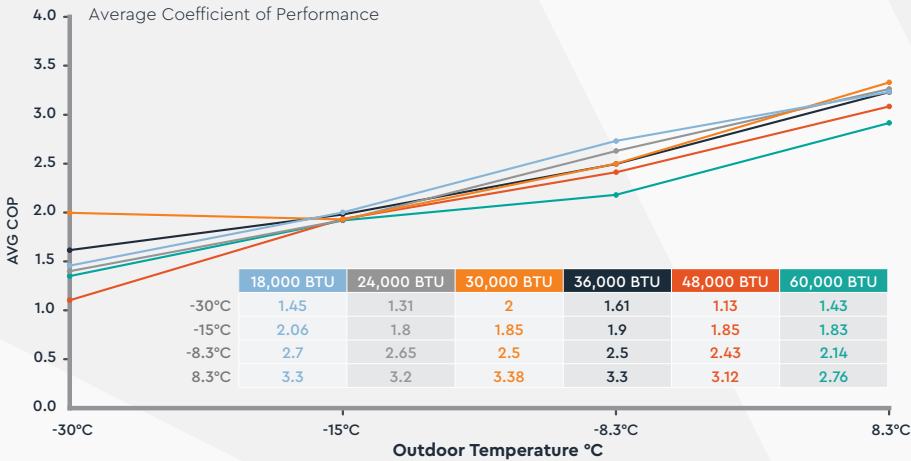
## Technical specifications

| 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              | GCHMA48RCAS1              | GCHMA60RDAS1              | GUHMA24RBAS1              | GUHMA24RBAS1             | GUHMA36RBAS1             | GUHMA36RCAS1              | GUHMA36RBAS1              | GUHMA36RCAS1              |                       |
| Outdoor model                     |  |         | MSHMA18R2AN1      | MSHMA24R2AN1             | MSHMA30R2AN1             | MSHMA30R2AN1              | MSHMB36R2AN1              | MSHMB36R2AN1              | MSHMA48R2AN1              | MSHMA60R2AN1              | MSHMA18R2AN1              | MSHMA24R2AN1             | MSHMA30R2AN1             | MSHMA30R2AN1              | MSHMB36R2AN1              | MSHMB36R2AN1              |                       |
| HEAT <sup>+</sup> 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<br>(5,600~22,800) | 24,000<br>(7,900~27,600) | 29,000<br>(13,900~37,000) | 29,000<br>(13,900~37,000) | 36,000<br>(12,100~41,000) | 36,000<br>(12,100~41,000) | 45,000<br>(16,000~48,000) | 47,000<br>(17,600~53,400) | 18,000<br>(5,600~22,800) | 24,000<br>(7,900~27,600) | 29,000<br>(13,900~37,000) | 29,000<br>(13,900~37,000) | 36,000<br>(12,100~41,000) |                       |
|                                   | EER2   |         |                   | 11.7                     | 10                       | 11                        | 11                        | 10.7                      | 10.7                      | 10                        | 10                        | 11.7                     | 10                       | 11                        | 11                        | 10.7                      |                       |
|                                   | SEER2  |         |                   | 16.1                     | 16                       | 16                        | 16                        | 15.8                      | 15.8                      | 15.2                      | 15.2                      | 16.1                     | 16                       | 16                        | 16                        | 15.8                      |                       |
| Heating                           | Capacity (range)                                 |         | BTU/h             | 19,000<br>(5,600~22,800) | 25,000<br>(6,800~30,000) | 32,000<br>(13,000~39,000) | 32,000<br>(13,000~39,000) | 38,000<br>(11,900~46,000) | 38,000<br>(11,900~46,000) | 48,000<br>(16,000~50,000) | 58,000<br>(21,200~59,000) | 19,000<br>(5,600~22,800) | 25,000<br>(6,800~30,000) | 32,000<br>(13,000~39,000) | 32,000<br>(13,000~39,000) | 38,000<br>(11,900~46,000) |                       |
|                                   | COP  |         |                   | 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                       |                       |
|                                   | HSPF2 Region V (Region IV)                       |         |                   | 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)             |
| 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      |                       |
|                                   |  |         | 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         |                       |
|                                   | 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                 |  |         | lb                | 41.89/49.60              | 41.89/49.60              | 59.52/68.12               | 64.37/74.07               | 59.52/68.12               | 64.37/74.07               | 96.78/115.08              | 81.13/92.37               | 17.82/34.54              | 17.82/34.54              | 27.28/45.32               | 27.72/48.18               | 27.28/45.32               | 27.72/48.18           |
|                                   | Qty  |         |                   | 1                        | 1                        | 1                         | 1                         | 1                         | 1                         | 1                         | 2                         | 1                        | 1                        | 1                         | 1                         | 1                         |                       |
|                                   | Speed (Hi/Mi/Low)                                |         | r/min             | 780/700/550              | 810/700/450              | 850/800/750               | 850/800/750               | 800/750/650               | 800/750/650               | 850/800/750               | 850/800/750               | 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       |
|                                   |  |         | in                | 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             |  |         | lb                | 101.41/109.13            | 101.41/109.13            | 164.02/174.60             | 164.02/174.60             | 204.15/235.23             | 204.15/235.23             | 204.15/232.36             | 242.95/275.13             | 101.41/109.13            | 101.41/109.13            | 164.02/174.60             | 164.15/235.23             | 204.15/235.23             | 204.15/235.23         |
|                                   | 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)          |
|                                   | 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)            |
| Refrigerant piping                | 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                     |         | m (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                         |         | m (ft)            | 25 (82)                  | 25 (82)                  | 25 (82)                   | 25 (82)                   | 30 (98)                   | 30 (98)                   | 30 (98)                   | 30 (98)                   | 30 (98)                  | 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 (sold separately) |  |         |                   | 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         |
| Indoor room                       | Set point range                                  |         | °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)         |
| Outdoor                           | Outdoor temperature range of operation (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 temperature range of operation (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.  
The ENERGY STAR® name and the ENERGY STAR symbol are trademarks registered in Canada  
by the United States Environmental Protection Agency.

## 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

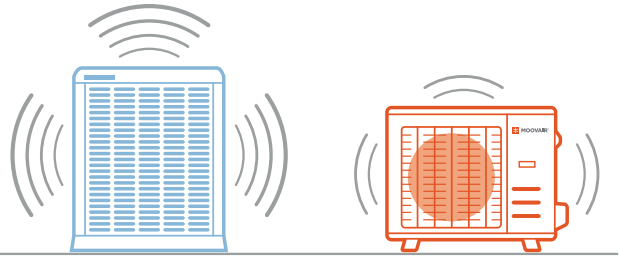
Central-Moov add-on heat pump systems incorporate the latest innovation in Inverter drive technology which saves energy by reducing the number of compressor stops and starts. Modulation increases by 1% increments up to 100% capacity to efficiently maintain the set temperature. This innovative technology 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

