



Central-Elios

Centrally ducted cold climate heat pump system

UP TO
18.3
SEER2

UP TO
8.6
HSPF2-5

HEATING PERFORMANCE DOWN TO
-30°C*

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



HEAT+

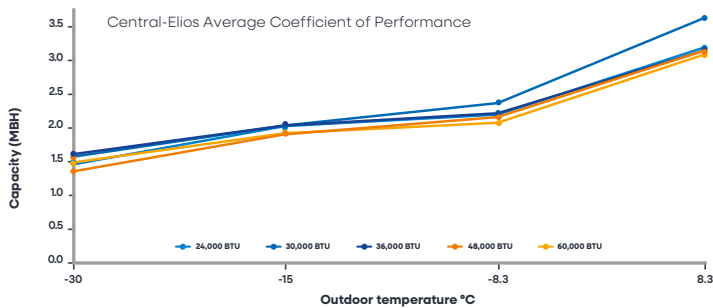


Everyday comfort for modern spaces

Elios products are expertly crafted for the Canadian market, providing optimal comfort and efficiency even in extreme temperatures. Central-Elios is a centrally ducted system, designed with advanced technology delivering unparalleled performance.

Proven Technology Means Big Results

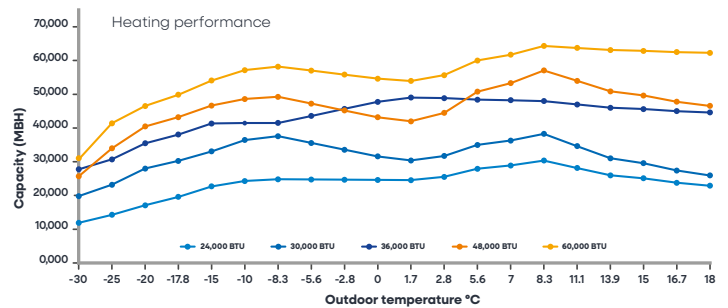
Central-Elios heat pumps feature HEAT+ and Inverter drive technology to deliver reliable performance and significant energy savings. This powerful combo has earned recognition from ENERGY STAR® and NEEP for best-in-class efficiency.



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.

Conquer Cold with HEAT+

Built for tough winters, Central-Elios keeps providing heat even when temperatures fall. Thanks to HEAT+ technology, the system delivers **up to 100% of its rated capacity at -20°C**, and maintains a high Coefficient of Performance (COP) all the way down to -30°C—without spiking your energy bills.



Advanced Inverter Technology = Smarter Comfort



Inverter driven compressor

Central-Elios' advanced Inverter technology brings temperature control to the next level by allowing the compressor to operate at variable speeds, adjusting its output to precisely meet heating or cooling needs. For home and business owners, this means less energy use, extended system life, and quieter, more consistent performance.

Ultra-Quiet, Peaceful Living

Enjoy complete peace and quiet in your space. The Central-Elios indoor unit runs whisper-quiet, while the compact, side-discharge outdoor unit operates as low as 65 dB(A)—quiet enough to protect the calm of your outdoor areas.



Traditional central system: 73 dB(A)

Central-Elios system: 65 dB(A)





Built-In Refrigerant Leak Detection

Our new heat pumps feature a built-in refrigerant safety sensor for added peace of mind. It continuously monitors for 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.

Year-Round Comfort You Can Count On

From -30°C winters to sweltering summer days, Central-Elios keeps your home or business perfectly comfortable in every season. Optional backup electric coils (3 to 25 kW) — so you can relax, no matter what the weather brings.

A Compact Powerhouse

The sleek side-discharge condenser is up to 40% smaller than top-discharge models—giving you more flexibility, less bulk, and a cleaner finish outside your home or business.

And thanks to the automatic reverse fan cycle, the unit stays cleaner and more efficient—blowing away debris from the condenser coil surface.

Gold Fin Heat Exchangers Provide Additional Corrosion Protection

The gold fin heat exchangers help guard against corrosion, extending the life of your system. And with dual voltage capability, the air handler can run on 115V—eliminating the need (and expense) of installing a dedicated 230V circuit.

Confidence That Lasts

Every Central-Elios system comes with a 1-year limited parts warranty and a 5-year compressor warranty. For even more peace of mind, upgrade to the optional 10-year warranty covering both.



Touchscreen thermostat – Model ST1S42RW1 (Wi-Fi enabled)



Compatible controller – Model KJRSAALW1 (Wi-Fi enabled)

Whether you choose the new touchscreen thermostat or compatible controller, you can trust your Elios contractor to help you choose the model best suited to your needs.

Technical specifications

| HEAT PUMP SYSTEM | | | 24,000 BTU | 30,000 BTU | 36,000 BTU | 48,000 BTU | 60,000 BTU |
|--|--|-------------------|---------------------------------|-----------------------------------|---------------------------------|-------------------------------------|-----------------------------------|
| Indoor model | | | EAHMA24R4AS1 | EAHMA30R4AS1 | EAHMA36R4AS1 | EAHMA48R4AS1 | EAHMA60R4AS1 |
| Outdoor model | | | ESHMA24R2AN1 | ESHMA30R2AN1 | ESHMB36R2AN1 | ESHMA48R2AN1 | ESHMA60R2AN1 |
| 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 |
| Cooling | Capacity (range) | BTU/h | 23,000 (7,200-27,000) | 30,000 (12,800-39,000) | 36,000 (9,700-42,000) | 48,000 (15,600-51,000) | 54,000 (11,400-56,300) |
| | EER2 | | 11.7 | 11.7 | 11.7 | 10.5 | 10 |
| | SEER2 | | 18.3 | 16.8 | 17.3 | 16.5 | 16 |
| Heating | Capacity (range) | BTU/h | 24,000 (7,100-30,000) | 34,000 (10,300-38,500) | 37,000 (11,000-48,000) | 50,000 (15,500-57,300) | 56,000 (8,100-64,500) |
| | COP at 8.3°C | | 3.33 | 3.65 | 3.6 | 3.4 | 3.1 |
| | HSPF2 Region V (Region IV) | | 8 (10) | 8.3 (10) | 8.6 (10.3) | 8 (9.5) | 8 (9) |
| Max. fuse/breaker | | A | 20 | 30 | 30 | 40 | 40 |
| Indoor air flow (Turbo/Hi/Mi/Lo/Si) | | m ³ /h | 1400/1290/1180/ 1070/(n/a) | 1680/1520/1370/ 1210/(n/a) | 2020/1840/1650/ 1470/(n/a) | 2720/2500/2180/ 1860/(n/a) | 3070/2690/2310/ 1930/(n/a) |
| | | CFM | 824/759.3/694.5/ 629.8/(n/a) | 988.8/894.7/806.4/ 712.2/(n/a) | 1189/1083/971.2/ 865.2/(n/a) | 1601/1471.5/1283.1/ 1094.8/(n/a) | 1807/1583.3/1359.7/ 1136/(n/a) |
| Indoor noise level (Turbo/Hi/Mi/Lo/Si) | | dB(A) | (n/a)/44/42/28/(n/a) | 47/46/43/27.5/(n/a) | 49/48/45.5/25.5/(n/a) | (n/a)/52/50/34/(n/a) | 54.5/52/49.5/34.5/(n/a) |
| Indoor unit | Dimension (W*D*H) | in | 17.52x21.02x45 | 21.02x21.02x49.02 | 21.02x21.02x49.02 | 24.49x21.02x52.99 | 24.49x21.02x52.99 |
| | | mm | 445x534x1143 | 534x534x1245 | 534x534x1245 | 622x534x1346 | 622x534x1346 |
| | Net/Gross weight | lb | 105.60/127.43 | 128.97/153.44 | 129.41/153.88 | 162.92/190.92 | 162.92/190.92 |
| | | kg | 47.9/57.8 | 58.5/69.6 | 58.7/69.8 | 73.9/86.6 | 73.9/86.6 |
| Outdoor fan motor | | qty | 1 | 1 | 1 | 1 | 2 |
| Outdoor noise level | | dB(A) | 60 | 60.5 | 62.5 | 65 | 65 |
| Outdoor unit | Dimension (W*D*H) Net/Gross weight | in | 35.04x13.46x26.50 | 37.24x16.14x31.89 | 38.58x16.34x38.39 | 38.58x16.34x38.39 | 37.48x16.34x52.48 |
| | | mm | 890x342x673 | 946x410x810 | 980x415x975 | 980x415x975 | 952x415x1333 |
| | | lb | 102.29/109.13 | 164.02/174.60 | 204.15/235.23 | 201.06/232.36 | 242.95/275.13 |
| | | kg | 46.4/49.5 | 74.4/79.2 | 92.6/106.7 | 91.2/105.4 | 110.2/124.8 |
| Refrigerant precharge | | oz (kg) | 74.08 (2.1) | 105.82 (3) | 126.99 (3.6) | 134.04 (3.8) | 183.42 (5.2) |
| Refrigerant piping | Liquid side | in (mm) | 3/8 (9.52) | 3/8 (9.52) | 3/8 (9.52) | 3/8 (9.52) | 3/8 (9.52) |
| | Gas side | in (mm) | 3/4 (19) | 3/4 (19) | 3/4 (19) | 3/4 (19) | 3/4 (19) |
| | Max. refrigerant pipe length | ft (m) | 164 (50) | 164 (50) | 246 (75) | 246 (75) | 246 (75) |
| | Max. difference in level | ft (m) | 82 (25) | 82 (25) | 98.4 (30) | 98.4 (30) | 98.4 (30) |
| Moisture removal | | L/h | 2.05 | 2.77 | 3.4 | 3.85 | 5.87 |
| Thermostat type (sold separately) | | | Wired control | Wired control | Wired control | Wired control | Wired control |
| 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) |
| | 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) |
| Refrigerant | | | R454B | R454B | R454B | R454B | R454B |
| ENERGY STAR® V6.1 | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| ENERGY STAR® V6.1 Cold Climate | | | ✓ | ✓ | ✓ | ✓ | ✓ |

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