



elios
COMFORT



Central-Elios

ADD-ON COIL SYSTEM

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



UP TO
16.1
SEER2

UP TO
8.2
HSPF2-5

HEATING
PERFORMANCE
DOWN TO
-30°C



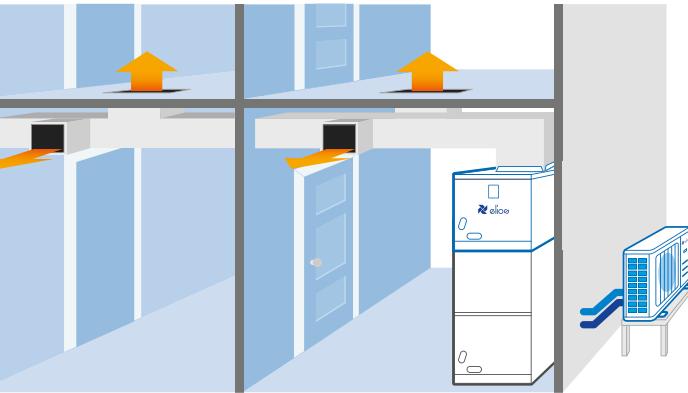
HEAT+



Trusted comfort for where you live

Elios products are designed for the Canadian climate with your comfort and well-being in mind. A Central-Elios heat pump system maintains the serenity of your home by keeping you cozy all year round in a whisper-quiet, energy efficient manner.

A2L-Ready. Seamlessly Integrated



Unlock the full potential of your variable speed heat pump. Our advanced A-Coil interface is designed to seamlessly integrate with variable-speed compressors, enabling precise modulation and optimal system performance. Unlike traditional 24V control systems, which offer only basic on/off functionality, our two-way communicating interface allows real-time dialogue between indoor and outdoor components—ensuring your system always runs at the ideal capacity for comfort and efficiency. Benefits include enhanced humidity control, significant energy savings and extended system lifespan.



Technical specifications

-30°C ESHMA/B ODU (WITH CASED OR UNCASED COILS)							
HEAT PUMP SYSTEM							
Indoor cased coil model							
Indoor uncased coil model							
Outdoor model							
HEAT [†] Technology							
Power supply		V/Ph/Hz					
Cooling	Capacity (range)		BTU/h				
	EEER2		18,000 (5,600~22,800)	24,000 (7,900~27,600)	30,000 (13,900~36,000)	30,000 (13,900~36,000)	36,000 (12,100~41,000)
Heating	SEER2		11.7	10	11	11	10.7
	Capacity (range)		16.1	16	16	16	15.8
Heating	COP at 8.3°C		19,000 (5,600~22,800)	25,000 (6,800~30,000)	30,000 (13,000~39,000)	30,000 (13,000~39,000)	38,000 (11,900~46,000)
	HSPF2 Region V (Region IV)		3.3	3.2	3.39	3.39	3.3
Max. fuse/breaker		A	7.8 (9.5)	7 (9.5)	8.2 (9.6)	8.2 (9.6)	7.9 (9.4)
Indoor cased coil unit	Dimension (W*D*H)		20	20	30	30	30
	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
Indoor uncased coil unit	mm		445 × 533.4 × 457	445 × 533.4 × 457	445 × 533.4 × 599	534 × 533.4 × 611	445 × 533.4 × 599
	Net/Gross weight		lb	41.89/49.60	41.89/49.60	59.52/68.12	59.52/68.12
Indoor uncased coil unit	kg		kg	19/22.5	19/22.5	27/30.9	27/30.9
	Dimension (W*D*H)		in	16.13 × 22.53 × 15.78	16.13 × 22.53 × 15.78	16.13 × 22.68 × 20.14	16.13 × 22.68 × 20.14
Indoor uncased coil unit	mm		mm	409.67 × 572.31 × 400.81	409.67 × 572.31 × 400.81	409.67 × 576.03 × 511.55	409.67 × 576.03 × 511.55
	Net/Gross weight		lb	17.82/34.54	17.82/34.54	27.28/45.32	27.28/45.32
Indoor uncased coil unit	kg		kg	8.1/15.7	8.1/15.7	12.4/20.6	12.4/20.6
Outdoor fan motor		qty	1	1	1	1	1
Outdoor noise level		dB(A)	58	60	62	62	64
Outdoor unit	Dimension (W*D*H)		in	35.04 × 13.46 × 26.5	35.04 × 13.46 × 26.5	37.24 × 16.14 × 31.89	37.24 × 16.14 × 31.89
	mm		mm	890 × 342 × 673	890 × 342 × 673	946 × 410 × 810	946 × 410 × 810
Outdoor unit	Net/Gross weight		lb	101.41/109.13	101.41/109.13	164.02/174.60	164.02/174.60
	kg		kg	46/49.5	46/49.5	74.4/79.2	74.4/79.2
Refrigerant precharge		oz (kg)	74.08 (2.1)	74.08 (2.1)	105.82 (3)	105.82 (3)	126.99 (3.6)
Refrigerant piping	Liquid side		in (mm)	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)
Refrigerant piping	Max. refrigerant pipe length		ft (m)	98 (30)	164 (50)	164 (50)	246 (75)
	Max. difference in level		ft (m)	82 (25)	82 (25)	82 (25)	98 (30)
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)
	Outdoor temperature range of operation (heating)		°C (°F)	-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			✓	✓	✓	✓	✓

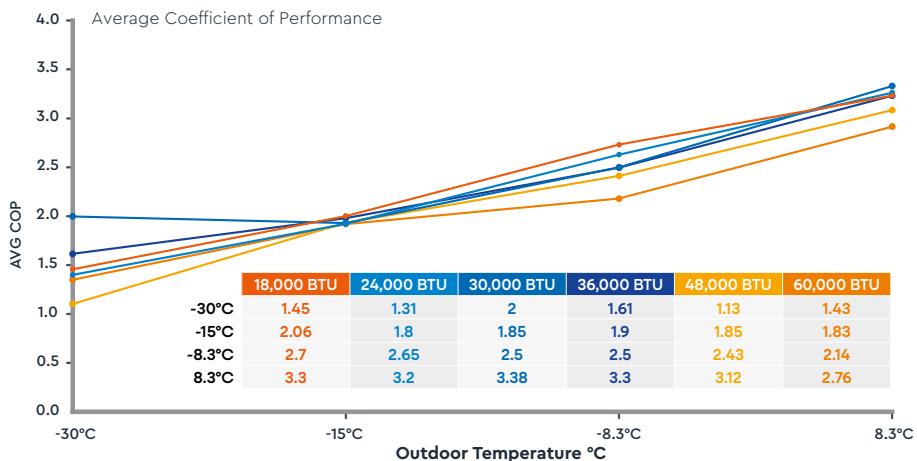
Product specifications may change without notice.

Performance at standard test conditions.

The ENERGY STAR® name and the ENERGY STAR symbol are trademarks registered in Canada by the United States Environmental Protection Agency.

Optimized Efficiency and Performance

Central-Elios heat pumps were built for epic performance thanks to energy-saving **HEAT⁺** and Inverter drive technology. Its outstanding operation has earned 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.



Central-Elios stands unrivaled against extreme cold weather. Its **HEAT⁺** technology ensures peak heating performance even at low temperatures, while significantly reducing energy consumption. Central-Elios Series units maintain **up to 100% of their rated capacity at -20°C**, and sustain a high Coefficient of Performance (COP) in severe cold, down to -30°C.

		-25°C ESHEA ODU (WITH UNCASED COILS)							
48,000 BTU	60,000 BTU	18,000 BTU	24,000 BTU	30,000 BTU	30,000 BTU	36,000 BTU	36,000 BTU		
GCHMA48RCAS1	GCHMA60RDAS1	GUHMA24RBAS1	GUHMA24RBAS1	GUHMA36RBAS1	GUHMA36RCAS1	GUHEA36RBAS1	GUHEA36RCAS1		
-	-	ESHEA18R2AN1	ESHEA24R2AN1	ESHEA30R2AN1	ESHEA30R2AN1	ESHEB36R2AN1	ESHEB36R2AN1		
✓	✓	✓	✓	✓	✓	✓	✓		
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		
45,000 (16,000-48,000)	47,000 (17,600-53,400)	18,000 (5,600-21,600)	24,000 (7,900-27,600)	29,000 (12,800-33,700)	29,000 (12,800-33,700)	36,000 (12,000-38,600)	36,000 (12,000-38,600)		
10	10	10,2	10	10	10	9,6	9,6		
15,2	15,2	16	16	15,8	15,8	14,7	14,7		
48,000 (16,000-50,000)	58,000 (21,200-59,000)	19,000 (5,200-22,000)	25,000 (6,500-27,000)	30,000 (8,600-31,000)	30,000 (8,600-31,000)	36,000 (14,000-41,000)	36,000 (14,000-41,000)		
3,12	2,76	3,16	3,2	3,12	3,12	3,4	3,4		
7.4 (8.8)	6.8 (8.1)	6.9 (8.6)	7 (9)	6.5 (8.2)	6.5 (8.2)	7 (9)	7 (9)		
40	40	20	20	25	25	30	30		
21.61 × 21.5 × 27.8	24.49 × 21 × 27.99	-	-	-	-	-	-		
549 × 546 × 706	622 × 533.4 × 711	-	-	-	-	-	-		
96.78/115.08	81.13/92.37	-	-	-	-	-	-		
43.9/52.2	36.8/41.9	-	-	-	-	-	-		
-	-	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		
-	-	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		
-	-	17.82/34.54	17.82/34.54	27.28/45.32	27.72/48.18	27.28/45.32	27.72/48.18		
-	-	8.1/15.7	8.1/15.7	12.4/20.6	12.6/21.9	12.4/20.6	12.6/21.9		
1	1	1	1	1	1	1	1		
65	64	58	60	60	60	63	63		
38.58 × 16.34 × 38.39	37.48 × 16.34 × 52.48	31.69 × 12.99 × 21.81	35.04 × 13.46 × 26.5	37.24 × 16.14 × 31.89	37.24 × 16.14 × 31.89	37.24 × 16.14 × 31.89	37.24 × 16.14 × 31.89		
980 × 415 × 975	952 × 415 × 1,333	805 × 330 × 554	890 × 342 × 673	946 × 410 × 810	946 × 410 × 810	946 × 410 × 810	946 × 410 × 810		
201.06/232.36	242.95/275.13	77.16/83.77	102/109.13	141.76/152.34	141.76/152.34	153.22/163.58	153.22/163.58		
91.2/105.4	110.2/124.8	35/38	46.4/49.5	64.3/69.1	64.3/69.1	69.5/74.2	69.5/74.2		
134.04 (3.8)	183.42 (5.2)	51 (1.45)	74.08 (2.1)	92 (2.6)	92 (2.6)	116 (3.3)	116 (3.3)		
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)		
3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)		
246 (75)	246 (75)	98 (30)	164 (50)	164 (50)	164 (50)	246 (75)	246 (75)		
98 (30)	98 (30)	66 (20)	82 (25)	82 (25)	82 (25)	98 (30)	98 (30)		
-30~50 (-22~122)	-30~50 (-22~122)	-25~50 (-13~122)	-25~50 (-13~122)	-25~50 (-13~122)	-25~50 (-13~122)	-25~50 (-13~122)	-25~50 (-13~122)		
-30~24 (-22~75)	-30~24 (-22~75)	-25~24 (-13~75)	-25~24 (-13~75)	-25~24 (-13~75)	-25~24 (-13~75)	-25~24 (-13~75)	-25~24 (-13~75)		
R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B		
✓	✓	X	✓	X	X	X	X		
✓	✓	X	✓	X	X	X	X		



HEAT⁺



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)

Stress-Free Performance

Elios heat pumps include a 1-year limited warranty on parts and a 5-year warranty on the compressor. An optional 10-year warranty covering both parts and compressor is available, offering additional peace of mind and reliability assurance.



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.



Touchscreen thermostat –
Model ST1S42RW1 (Wi-Fi enabled)



Compatible controller –
Model KJRSAAALW1 (Wi-Fi enabled)

Elios HVAC products are supported by The Master Group, Canada's largest independently-owned HVAC-R distributor. The Master Group has always distinguished itself by its extensive inventory, technical expertise and exceptional customer service.



 Authorized Canadian Independent Contractor

THERM LUX
CLIMATISATION ET CHAUFFAGE

