



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



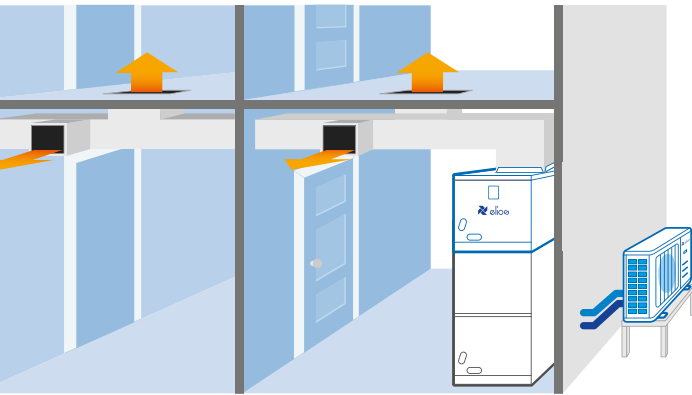
HEAT+

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

HEAT PUMP SYSTEM			-30°C ESHMA/B ODU (WITH CASED OR UNCASSED COILS)					
			18,000 BTU	24,000 BTU	30,000 BTU	30,000 BTU	36,000 BTU	36,000 BTU
Indoor cased coil model			GCHMA24RBAS1	GCHMA24RBAS1	GCHMA36RBAS1	GCHMA36RCAS1	GCHMA36RBAS1	GCHMA36RCAS1
Indoor uncased coil model			GUHMA24RBAS1	GUHMA24RBAS1	GUHMA36RBAS1	GUHMA36RCAS1	GUHMA36RBAS1	GUHMA36RCAS1
Outdoor model			ESHMA18R2AN1	ESHMA24R2AN1	ESHMA30R2AN1	ESHMA30R2AN1	ESHMB36R2AN1	ESHMB36R2AN1
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
Cooling	Capacity (range)	BTU/h	18,000 (5,600-22,800)	24,000 (7,900-27,600)	29,000 (13,900-36,000)	29,000 (13,900-36,000)	36,000 (12,100-41,000)	36,000 (12,100-41,000)
	EER2		11.7	10	11	11	10.7	10.7
	SEER2		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)	30,000 (13,000-39,000)	30,000 (13,000-39,000)	38,000 (11,900-46,000)	38,000 (11,900-46,000)
	COP at 8.3°C		3.3	3.2	3.39	3.39	3.3	3.3
	HSPF2 Region V (Region IV)		7.8 (9.5)	7 (9.5)	8.2 (9.6)	8.2 (9.6)	7.9 (9.4)	7.9 (9.4)
Max. fuse/breaker		A	20	20	30	30	30	30
Indoor cased coil unit	Dimension (W*D*H)	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
		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
	Net/Gross weight	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
		kg	19/22.5	19/22.5	27/30.9	29.2/33.6	27/30.9	29.2/33.6
Indoor uncased coil unit	Dimension (W*D*H)	in	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
		mm	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
	Net/Gross weight	lb	17.82/34.54	17.82/34.54	27.28/45.32	27.72/48.18	27.28/45.32	27.72/48.18
		kg	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
Outdoor noise level		dB(A)	58	60	62	62	64	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	38.58 × 16.34 × 38.39	38.58 × 16.34 × 38.39
		mm	890 × 342 × 673	890 × 342 × 673	946 × 410 × 810	946 × 410 × 810	980 × 415 × 975	980 × 415 × 975
	Net/Gross weight	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
		kg	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)
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)	3/8 (9.52)
	Gas side	in (mm)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)
	Max. refrigerant pipe length	ft (m)	98 (30)	164 (50)	164 (50)	164 (50)	246 (75)	246 (75)
	Max. difference in level	ft (m)	82 (25)	82 (25)	82 (25)	82 (25)	98 (30)	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)	-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)
Refrigerant			R454B	R454B	R454B	R454B	R454B	R454B
ENERGY STAR® V6.1			✓	✓	✓	✓	✓	✓
ENERGY STAR® V6.1 Cold Climate			✓	✓	✓	✓	✓	✓

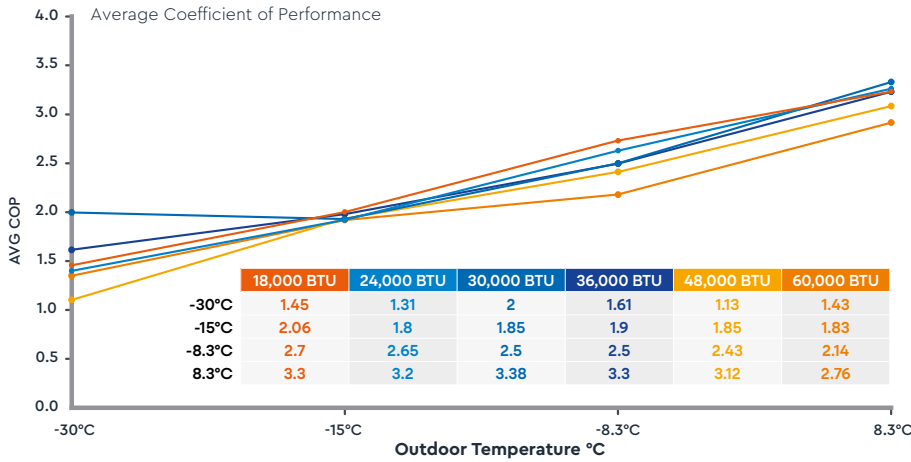
Product specifications may change without notice.

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.

HEAT+

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 UNCASSED 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
ESHMA48R2AN1	ESHMA60R2AN1	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



Advanced Inverter Technology = Smarter Comfort



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.

Inverter driven compressor

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)

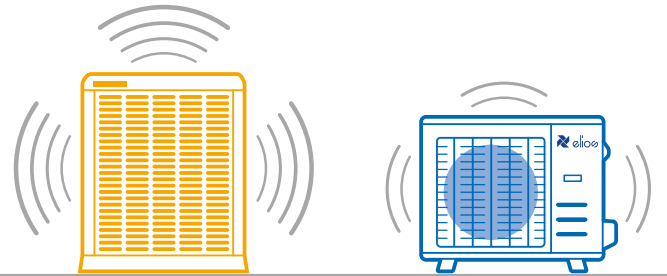


Compatible controller – Model KJRSAALW1 (Wi-Fi enabled)

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.

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)

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—by blowing away debris from the condenser coil surface.

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.



Authorized Canadian Independent Contractor

