



elios

UP TO
8 HSPF2-5
& 18 SEER2

HEAT+

**CENTRALLY DUCTED SYSTEM
WITH SIDE DISCHARGE CONDENSER**

Central-Elios



**RELIABLE, ENERGY-SAVING
SYSTEM**

Performance in
heating down to



-30°C

**10
YEAR**
LIMITED WARRANTY
ON PARTS AND
COMPRESSOR

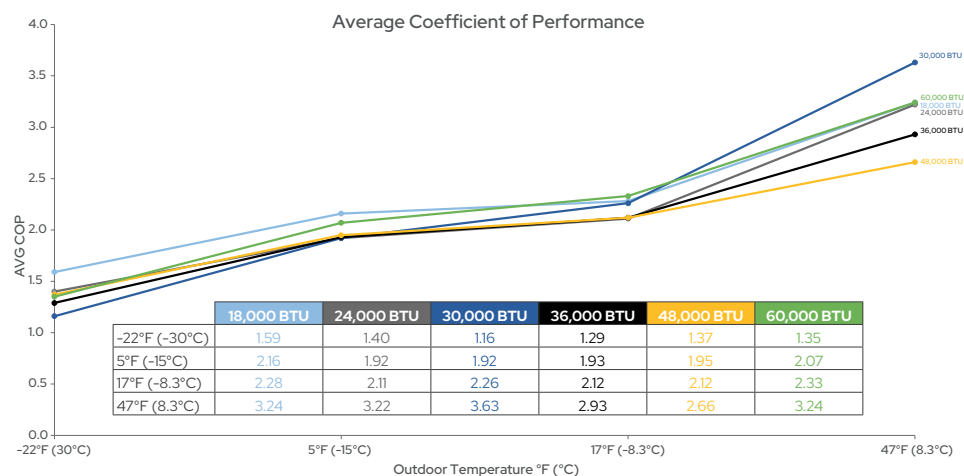


EVERY DAY COMFORT FOR MODERN LIVING

ELIOS PRODUCTS, EXPERTLY CRAFTED FOR THE CANADIAN CLIMATE, OFFER ADVANCED HEAT+ ENERGY EFFICIENCY AND REMARKABLE PERFORMANCE. THE CENTRAL-ELIOS HEAT PUMP SYSTEM IS ENGINEERED TO DELIVER OPTIMAL TEMPERATURE REGULATION THROUGHOUT THE YEAR IN AN OUTSTANDING ENERGY-EFFICIENT MANNER. IT FEATURES ADVANCED NOISE REDUCTION TECHNOLOGY FOR QUIET OPERATION, HEAT + FOR UNPARALLELED EFFICIENCY IN EXTREME COLD AND EASY INSTALLATION, MAKING IT AN IDEAL CHOICE FOR TODAY'S MODERN HOMES.

Optimized Efficiency and Performance

Central-Elios heat pumps are engineered with advanced HEAT+ and Inverter drive technology, delivering superior energy efficiency and robust performance. This system achieves top-tier efficiency ratings, reflected in its classification as a best-in-class product 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.

Advanced Inverter Technology

Central-Elios heat pumps incorporate advanced inverter technology offering efficient, consistent, and quieter solutions for temperature control by allowing the compressor to operate at variable speeds, adjusting its output to precisely meet the heating or cooling needs of a space. This leads to energy savings, improved comfort, a longer lifespan for the unit, and quieter operation.

Inverter driven compressor

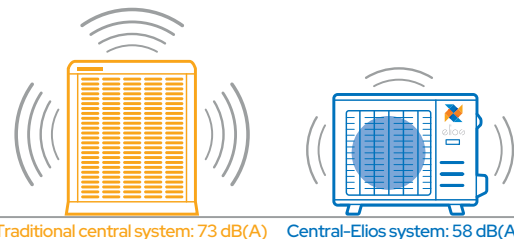


Unmatched Performance in Harsh Winters with **HEAT+**

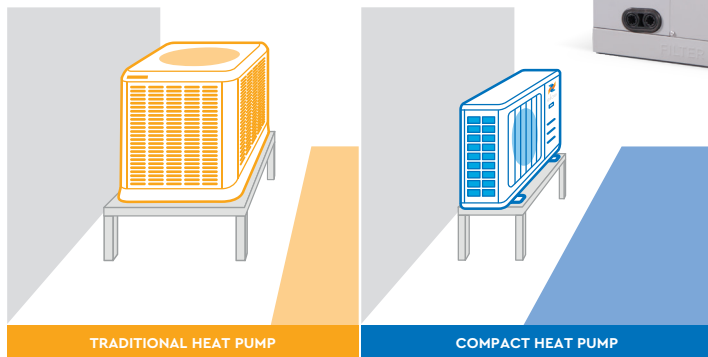
Central-Elios stands unrivaled against extreme cold weather. Its HEAT+ technology ensures peak heating performance even at low temperatures, while significantly reducing energy consumption. Central-Elios Series units maintain 100% of their rated capacity at -20°C, and sustain a high Coefficient of Performance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

Ultra-Quiet, Peaceful Living

Central-Elios redefines home comfort with its ultra-quiet indoor performance, ensuring a tranquil and serene living space. The side discharge design of the outdoor unit operates at an impressively low noise level of just 58 dB(A), preserving the ambience of your outdoor areas. Experience undisturbed peace both inside and outside your home, free from intrusive noise.

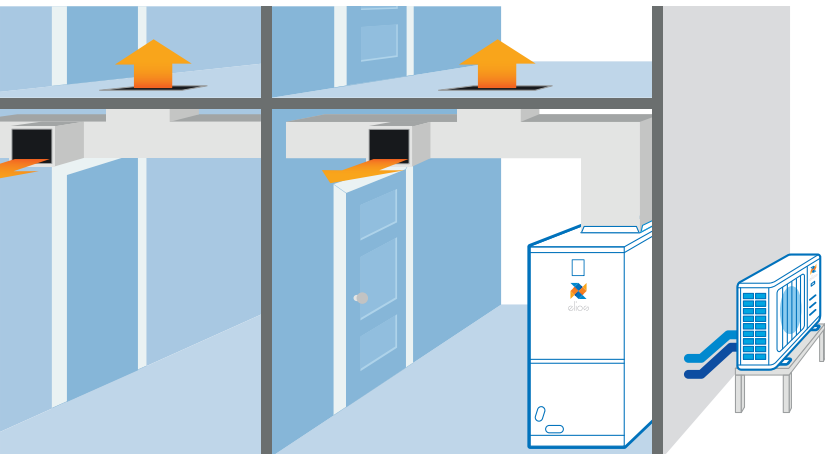


Traditional central system: 73 dB(A) Central-Elios system: 58 dB(A)



Compact Powerhouse

Central-Elios redefines efficiency with its sleek, side discharge condenser, up to 40% more compact than conventional models. These smaller units not only provide enhanced installation flexibility but also ensure a visually appealing finish, seamlessly integrating efficiency with elegance.



All-Season Reliability

Central-Elios stands strong against the harshest weather, delivering consistent comfort even in sub-zero temperatures. Its indoor unit accepts factory optional electric resistance heat banks ranging from 5 to 25 kilowatts depending on the model, ensures unwavering performance year-round, regardless of the outdoor conditions.



Stress-Free Performance

Elios heat pumps come with a 1-year limited warranty on parts and a 5-year warranty on the compressor. For extended security, an optional 10-year warranty covering both parts and compressor is available, offering additional peace of mind and reliability assurance.



Whether you choose the included Elios thermostat or any other compatible thermostat, you can trust your Elios dealer to help you choose the model best suited to your needs.

Elios controller model KJR-120N(X6W). This controller is Wi-Fi-connectable for control using the app.

TECHNICAL SPECIFICATIONS

HEAT PUMP SYSTEM		18,000 BTU*	24,000 BTU*	30,000 BTU	36,000 BTU	48,000 BTU	60,000 BTU
Outdoor model		DEA18HOS20230E7	DEA24HOS20230E7	DEA30HOS20230E7	DEA36HOS20230E7	DEA48HOS20230E7	DEA60HOS20230E7
Indoor model		FEA18HIAHUU230X7	FEA24HIAHUU230X7	FEA30HIAHUU230X7	FEA36HIAHUU230X7	FEA48HIAHUU230X7	FEA60HIAHUU230X7
HEAT + Technology		Yes	Yes	Yes	Yes	Yes	Yes
Power supply V/Ph/Hz		208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Cooling	Capacity (range) BTU/h	18,000 (6,880~21,000)	24,000 (6,400~27,000)	30,000 (10,000~33,600)	36,000 (13,000~47,400)	47,000 (15,000~48,000)	55,000 (14,000~56,000)
	EER2 BTU/h	12.4	11.7	10	10	8.2	8.8
	SEER2 BTU/h	18	17.4	16.2	16	15.6	15.3
Heating	Capacity (range) BTU/h	19,000 (2,800~21,000)	24,000 (10,100~31,000)	33,000 (11,500~37,000)	40,000 (11,000~57,200)	50,000 (11,000~55,000)	59,000 (13,400~69,000)
	COP2 W/W	3.64	3.35	3.3	3.36	3.15	3.42
	HSPF2 Region 5 (Region 4) BTU/h	7.6 (9.4)	8 (10)	7 (8.9)	7.8 (9.5)	7.7 (9.4)	7.6 (9.4)
Max. fuse (A)		20	35	35	50	50	60
Compressor type		Twin rotary	Twin rotary	Rotary	Rotary	Rotary	Rotary
Indoor air flow (Hi/Med/Low) m3/h		980/900/830	1290/1180/1070	1520/1370/1210	1840/1650/1470	2180/1860/1540	32690/2310/1930
Indoor air flow (Hi/Med/Low) CFM		576.47/529.41/ 488.24	758.82/694.12 /629.41	894.12/805.88/ 711.76	1082.35/970.59/ 864.71	1282.35/1094.12/ 905.88	1582.35/1358.82/ 1135.29
Indoor noise level (Hi/Med/Low) dB(A)		34/31/30	39/36/33	42/40.5/36.5	45/43/41	50/47/43.5	51/45.5/41.5
Indoor unit	Width x Depth x Height mm	445x534x1143	445x534x1143	534x534x1245	534x534x1245	534x534x1245	622x534x1346
	Width x Depth x Height in	17.52x21.02x45	17.52x21.02x45	21.02x21.02x49.02	21.02x21.02x49.02	21.02x21.02x49.02	24.49x21.02x52.99
	Net/Gross weight kg	48/58.7	47.9/57.8	58.6/70.6	58.6/70.6	59.2/70.9	73.8/87.5
	Net/Gross weight lbs	105.82/129.41	105.60/127.43	129.19/155.64	129.19/155.64	130.51/156.31	162.70/192.90
Outdoor noise level dB(A)		57	62	60,5	64	64	63,5
Outdoor unit	Width x Depth x Height mm	890x342x673	946x410x810	946x410x810	952x415x1333	952x415x1333	952x415x1333
	Width x Depth x Height in	35.04x13.46x26.50	37.24x16.14x31.89	37.24x16.14x31.89	37.48x16.34x52.48	37.48x16.34x52.48	37.48x16.34x52.48
	Net/Gross weight kg	46.7/49.8	62/66	72.5/77	103/116	99.9/112.9	108.8/123.2
	Net/Gross weight lbs	102.95/109.79	136.69/145.50	159.83/169.75	227.07/255.73	220.24/248.90	239.86/271.61
Refrigerant precharge ft		25	25	25	25	25	25
Refrigerant piping	Liquid side, Gas side in	3/8, 3/4	3/8, 3/4	3/8, 3/4	3/8, 3/4	3/8, 3/4	3/8, 7/8
	Max. ref. pipe length m (ft)	30 (98.42)	50 (164.04)	50 (164.04)	65 (213.25)	65 (213.25)	65 (213.25)
	Max. height difference m (ft)	20 (65.62)	25 (82.02)	25 (82.02)	30 (98.42)	30 (98.42)	30 (98.42)
Moisture removal (L/h)		1.67	1.98	3.41	3.49	4.96	5.55
Thermostat type		Wired control	Wired control	Wired control	Wired control	Wired control	Wired control
Outdoor temperature operating range	Outdoor (cooling) °C/ °F	-15~50 / 5~122	-15~50 / 5~122	-15~50 / 5~122	-15~50 / 5~122	-15~50 / 5~122	-15~50 / 5~122
	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
NEEP Certified		Yes	Yes	Yes	Yes	Yes	Yes



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Authorized Canadian Independent Dealer

THERM LUX

