



elios
COMFORT



EMC

Wall mounted
Cold Climate
heat pumps



UP TO
26.0
SEER2

UP TO
10.1
HSPF2-5

HEATING
PERFORMANCE
DOWN TO
-30°C



HEAT+

Daily comfort for contemporary living

Elios ductless wall-mounted heat pumps provide versatile, top-notch solutions for contemporary working and living. Designed to adapt to seasonal variations and ensure comfort throughout the year, these units feature a stylish, modern appearance and offer various installation possibilities.

Heat pumps offer year-round home comfort

A heat pump serves as an all-in-one climate control solution, providing both heating and cooling to maintain optimal indoor temperatures throughout the year.

- Cooling Mode: Like a conventional air conditioner, the heat pump extracts heat from inside the home and releases it outdoors, cooling the indoor space.
- Heating Mode: Operating in reverse, the heat pump captures heat from the outside air and transfers it indoors to warm the home.

This dual functionality ensures efficient and consistent comfort in all seasons, with a single system.

Conquer Cold with HEAT⁺

Built for tough winters, EMC series keeps providing heat even when temperatures fall. Thanks to HEAT⁺ technology, systems deliver up to **100% of their rated capacity at -15°C**, and maintain a high Coefficient of Performance (COP) all the way down to -30°C—without spiking your energy bills.



Inverter driven compressor

Cutting-edge technology for optimal performance

Elios heat pumps utilize advanced Inverter Drive Technology to enhance energy efficiency by minimizing compressor on-off cycles.

Worry-free Reliability

Elios units are covered by a 1-year limited warranty on parts and 5-year compressor. An optional 10-year parts and compressor coverage is available for additional peace of mind.



Touchscreen thermostat – Model ST1S42RW1* (Wi-Fi enabled)
*Connection requires the addition of the M13C1 mini-interface and 24V power supply

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.



Compatible controller – Model KJRSAALW1 (Wi-Fi enabled)



Heating & Cooling Performance



Cold-Climate Operation: Reliable heating down to -30°C



Heat+ Technology: Enhanced heating output at low outdoor temperatures



1% Compressor Frequency Control: for EMC Series models



100% Heating Capacity: At -15°C



Base Pan Heater: Prevents ice buildup and ensures efficient operation, especially in cold climates



Heating lockout: Systems can be modified to operate in cooling only mode through parameter settings.

Air Quality & Filtration



Variable-Speed Indoor Fan: Multiple airflow settings for customized comfort



Active Clean: Helps to prevent contaminant buildup such as mold and mildew on indoor coil



Turbo Mode: Quickly reaches set temperature in heat or cool mode



Double Filtration System:
Filter 1: Removes dust, pollen, pet hair
Filter 2: Carbon filter absorbs smoke, bacteria



Freeze Protection Mode: Heating setpoint to maintain 8°C to save money and protect your home while away

Control & Smart Technology



Wi-Fi Connectivity: Wireless capable with optional accessory



Do Not Disturb Mode: Disables display and sound alerts for night use



Built-In Auxiliary Heat Control: No extra module required providing flexible control of baseboard or auxiliary heat source



Follow Me Function: Adjusts comfort based on remote sensor location



Optional Wall Controller: Wired control option for all models



Smart Thermostat Compatible: Supports 24V interface for third-party thermostats



Silent Mode: Ultra-quiet performance ideal for light sleepers or babies

Safety & Reliability



Refrigerant Leak Detection Sensor (RDS): Auto shutdown and fan mode for safety (Morelis & Meridian)



Auto-Restart Function: Resumes operation with saved settings after power failure



Goldfin plating: Anti-corrosion coating on the heat exchanger for protection against harsh elements



TU1 High Purity Copper Coils: Corrosion-resistant, longer system lifespan



Emergency Operation: Unit continues running with visible error code during a fault

Technical specifications

HEAT PUMP SYSTEM			9,000 BTU	12,000 BTU	18,000 BTU	24,000 BTU	33,000 BTU	
Indoor model			EWHMA09C2AS1	EWHMA12C2AS1	EWHMA18C2AS1	EWHMA24C2AS1	EWHMA33C2AS1	
Outdoor model			ESHMA09C2AN1	ESHMA12C2AN1	ESHMA18C2AN1	ESHMA24C2AN1	ESHMA33C2AN1	
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	9,000 (3,600-13,500)	12,000 (3,600-13,500)	18,000 (8,400-20,200)	23,000 (16,800-24,500)	33,000 (15,000-35,900)	
	EER2		15	13.2	13	12.5	11.7	
	SEER2		26	24	21.7	22.3	20	
Heating	Capacity (range)	BTU/h	12,000 (3,800-16,000)	12,000 (3,800-16,000)	18,800 (10,300-23,000)	26,000 (11,800-28,100)	36,000 (19,900-38,200)	
	COP at 8.3°C		3.63	3.63	3.54	3.5	3.22	
	HSPF2 Region V (Region IV)		10.1 (12.5)	8 (10.5)	8.8 (10.8)	9.6 (13.3)	8.6 (10.5)	
Max. fuse/breaker		A	15	15	20	25	35	
Indoor air flow (Turbo/Hi/Mi/Lo/Si)		m³/h	650/500/330/ 260/(n/a)	650/500/330/ 260/(n/a)	1290/850/750/ 630/(n/a)	1290/1000/780/ 650/(n/a)	1410/1150/900/ 760/(n/a)	
		CFM	382.6/294.3/194.2/ 153/(n/a)	382.6/294.3/194.2/ 153/(n/a)	759.3/500.3/441.4/ 370.8/(n/a)	759.3/588.6/459.1/ 382.6/(n/a)	829.9/676.9/529.7/ 447.3/(n/a)	
Indoor noise level (Turbo/Hi/Mi/Lo/Si)		dB(A)	44/39.5/33/ 24/20.5	44.7/42/35.5/ 22.5/20	54.5/45/40/ 24.5/20	54.5/49.5/43.5/ 34.5/20.5	56/52.5/46.5/ 29.5/23	
Indoor unit		Dimension (W*D*H)	in	31.57 × 7.87 × 11.61	31.57 × 7.87 × 11.61	42.60 × 9.21 × 13.27	42.60 × 9.21 × 13.27	49.57 × 11.14 × 14.25
			mm	802 × 200 × 295	802 × 200 × 295	1082 × 234 × 337	1082 × 234 × 337	1259 × 283 × 362
		Net/Gross weight	lb	18.96/24.25	18.96/24.25	30.42/39.68	30.86/40.56	43.21/57.32
			kg	8.6/11	8.6/11	13.8/18	14/18.4	19.6/26
Outdoor fan motor		qty	1	1	1	1	1	
Outdoor noise level		dB(A)	56	56	59	61	63.5	
Outdoor unit		Dimension (W*D*H) Net/Gross weight	in	31.69 × 12.99 × 21.81	31.69 × 12.99 × 21.81	35.4 × 13.46 × 26.50	37.24 × 16.14 × 31.89	37.24 × 16.14 × 31.89
			mm	805 × 330 × 554	805 × 330 × 554	890 × 342 × 673	946 × 410 × 810	946 × 410 × 810
			lb	72.75/78.70	72.75/78.70	99.87/107.80	130.29/141.31	156.97/167.99
			kg	33/35.7	33/35.7	45.3/48.9	59.1/64.1	71.2/76.2
Refrigerant precharge		oz (kg)	35.27 (1)	35.27 (1)	55.38 (1.57)	63.49 (1.8)	87.13 (2.47)	
Refrigerant piping		Liquid side	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)
		Gas side	in (mm)	3/8 (9.52)	3/8 (9.52)	1/2 (12.7)	5/8 (15.9)	3/4 (19)
		Max. refrigerant pipe length	ft (m)	82 (25)	82 (25)	98.40 (30)	164 (50)	164 (50)
		Max. difference in level	ft (m)	49.20 (15)	49.20 (15)	65.60 (20)	82 (25)	82 (25)
Moisture removal		L/h	0.6	1.4	1.8	2.6	4.5	
Control type			Remote Control	Remote Control	Remote Control	Remote Control	Remote 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)
Outdoor refrigerant type			R454B	R454B	R454B	R454B	R454B	
ENERGY STAR® V6.1			✓	✓	✓	✓	✓	
ENERGY STAR® V6.1 Cold Climate			✓	✓	✓	✓	✓	

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Authorized Canadian Independent Contractor



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