



elios
COMFORT



EBC

Essential Tier Wall Mounted Heat Pumps



UP TO
22.3
SEER2

UP TO
7.2
HSPF2-5

HEATING
PERFORMANCE
DOWN TO
-20°C



Essential performance for reliable comfort

The EBC series of ductless wall-mounted heat pumps offers a practical comfort solution for everyday living. Ideally suited as an efficiency problem solver, the EBC unit delivers reliable heating and cooling performance in areas where traditional systems fall short. Whether you're upgrading a single room, finishing a basement, or looking to supplement an existing HVAC system, the EBC heat pump provides seasonal comfort with straightforward installation and user-friendly controls.

Designed with value in mind, it's the smart choice for homeowners seeking energy savings without sacrificing performance.

Innovative, Affordable Comfort

EBC heat pumps represent the latest evolution in our entry-level lineup—now offering enhanced efficiency, improved performance, and greater temperature control. With 100-step incremental modulation, the system precisely adjusts output to match real-time demand, delivering consistent comfort while maximizing energy savings. This improved efficiency delivers **up to 100% cooling capacity up to 40°C** in the summer and comfort heating in the spring and fall.

Cutting-edge technology for optimal performance

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



Inverter driven compressor

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 -20°C



1% Compressor Frequency Control: for EMC Series models



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



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



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

Technical specifications

HEAT PUMP SYSTEM			12,000 BTU	9,000 BTU	12,000 BTU	18,000 BTU	24,000 BTU	30,000 BTU	36,000 BTU	
Indoor model			EWHBA12C1AN1	EWHBA09C2AN1	EWHBA12C2AN1	EWHBA18C2AN1	EWHBA24C2AN1	EWHBA30C2AS1	EWHBA36C2AS1	
Outdoor model			ESHBA12C1AN1	ESHBA09C2AN1	ESHBA12C2AN1	ESHBA18C2AN1	ESHBA24C2AN1	ESHBA30C2AN1	ESHBA36C2AN1	
Power supply		V/Ph/Hz	115V/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	
Cooling	Capacity (range)	BTU/h	12,000 (3,800-12,600)	9,000 (2,900-10,500)	12,000 (2,700-13,800)	18,000 (2,600-18,600)	24,000 (6,200-24,700)	30,000 (6,800-34,000)	36,000 (6,600-36,800)	
	EER2		10	12.6	10.8	11.5	9.6	12	9.3	
	SEER2		21.3	21.6	21.3	20.2	18.5	22.3	19.5	
Heating	Capacity (range)	BTU/h	12,000 (2,730-12,500)	10,000 (2,400-11,200)	12,000 (4,200-14,100)	18,000 (6,100-19,200)	24,000 (11,900-27,200)	30,000 (12,300-32,200)	36,000 (11,400-44,000)	
	COP at 8.3°C		3.15	3.27	3.34	3.08	3.22	3.03	2.95	
	HSPF2 Region V (Region IV)		6.7 (8.7)	7.2 (9.4)	7 (9.2)	7 (9.1)	7.1 (9)	7 (9)	7 (9.1)	
Max. fuse/breaker		A	20	15	15	20	20	30	35	
Indoor air flow (Turbo/Hi/Mi/Lo/Si)		m³/h	600/500/400/ 300/220	520/420/300/ 240/(n/a)	590/500/330/ 260/(n/a)	800/680/560/ 460/(n/a)	1240/930/680/ 560/(n/a)	1480/1100/760/ 560/(n/a)	1480/1150/760/ 560/(n/a)	
		CFM	353.2/294.3/235.4/ 176.6/129.5	306.1/247.2/176.6/ 141.3 (n/a)	347.3/294.3/194.2/ 153 (n/a)	470.9/400.2/329.6/ 270.8 (n/a)	729.9/547.4/400.2/ 329.6 (n/a)	871.1/647.5/447.3/ 329.6 (n/a)	871.1/676.9/447.3/ 329.6 (n/a)	
Indoor noise level (Turbo/Hi/Mi/Lo/Si)		dB(A)	45/41/37/27.5/18.5	43/38.5/33/24/19.5	46/41/35/24/18.5	49/45/38/23/19	54/46/41/28/22	56.5/52/45/36/22	57/51/45/33.5/27.5	
Indoor unit		Dimension (W*D*H)	in	31.57x7.87x11.61	28.70 x 7.87 x 11.50	31.57x7.87x11.61	38.23 x 8.98 x 12.64	42.60 x 9.21 x 13.27	49.57 x 11.14 x 14.25	49.57 x 11.14 x 14.25
			mm	802x200x295	729x200x292	802x200x295	971x228x321	1082x234x337	1259x283x362	1259x283x362
		Net/Gross weight	lb	19.4/25.57	18.08/23.15	18.96/25.13	25.35/32.85	30.64/39.68	43.43/56.88	43.43/56.88
			kg	8.8/11.6	8.2/10.5	8.6/11.4	11.5/14.9	13.9/18	19.7/25.8	19.7/25.8
Outdoor fan motor		qty	1	1	1	1	1	1	1	
Outdoor noise level		dB(A)	52.5	53.5	53	58	62	61.5	63	
Outdoor unit		Dimension (W*D*H) Net/Gross weight	in	30.12x11.93x21.85	30.12x11.93x21.85	30.12x11.93x21.85	31.69x12.99x21.81	35.04x13.46x26.50	37.24x16.14x31.89	37.24x16.14x31.89
			mm	765x303x555	765x303x555	765x303x555	805x330x554	890x342x673	946x410x810	946x410x810
			lb	61.29/67.02	54.23/59.74	59.08/64.37	72.31/78.48	94.58/102.29	142.86/154.54	150.35/160.27
			kg	27.8/30.4	24.6/27.1	26.8/29.2	32.8/35.6	42.9/46.4	64.8/70.1	68.2/72.7
Précharge réfrigérant		oz (kg)	24.34 (0.69)	21.52 (0.61)	24.6 (0.7)	40.57 (1.15)	53.62 (1.52)	84.66 (2.4)	112.88 (3.2)	
Refrigerant piping		Liquid side	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
		Gas side	in (mm)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	1/2 (12.7)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)
		Max. refrigerant pipe length	ft (m)	82 (25)	82 (25)	82 (25)	98.4 (30)	164 (50)	164 (50)	164 (50)
		Max. difference in level	ft (m)	49.20 (15)	49.20 (15)	49.20 (15)	65.6 (20)	82 (25)	82 (25)	82 (25)
Moisture removal		L/h	1.3	0.9	1.4	2.5	3	3.6	5.1	
Control type			Remote Control	Remote Control	Remote Control	Remote Control	Remote Control	Remote Control	Remote Control	
Outdoor		Outdoor temperature range of operation (cooling)	°C (°F)	-15-50 (5-122)	-15-50 (5-122)	-15-50 (5-122)	-15-50 (5-122)	-15-50 (5-122)	-25-50 (-13-122)	-25-50 (-13-122)
		Outdoor temperature range of operation (heating)	°C (°F)	-20-24 (-4-75)	-20-24 (-4-75)	-20-24 (-4-75)	-20-24 (-4-75)	-20-24 (-4-75)	-25-24 (-13-75)	-25-24 (-13-75)
Refrigerant			R454B	R454B	R454B	R454B	R454B	R454B	R454B	
ENERGY STAR® V6.1			X	✓	X	X	✓	✓	X	
ENERGY STAR® V6.1 Cold Climate			X	✓	X	X	✓	X	X	

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