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**

R454B

INVERTER

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 6-year limited warranty on parts and compressor. An optional 10-year parts and compressor coverage is available for additional peace of mind.





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)*
**Connection requires the addition of the MI3C1 mini-interface and 24V power supply*

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

Indoor Unit			EWHBA09C2AN*	EWHBA12C1AN*	EWHBA12C2AN*	EWHBA18C2AN*	EWHBA24C2AN*	EWHBA30C2AS*	EWHBA36C2AS*
Outdoor Unit			ESHBA09C2AN*	ESHBA12C1AN*	ESHBA12C2AN*	ESHBA18C2AN*	ESHBA24C2AN*	ESHBA30C2AN*	ESHBA36C2AN*
Nominal Capacity		Btu/h	9000	12000	12000	18000	24000	30000	36000
Cooling	Rated @ 95°F (35°C)	Btu/h	9000	12000	12000	18000	24000	30000	36000
	Min. @ 95°F (35°C)		2900	3800	2700	2600	6200	6800	6600
	Max. @ 95°F (35°C)		10500	12600	13800	18600	24700	34000	36800
	SEER2		21.6	21.3	21.3	20.2	18.5	22.3	19.5
	EER2		12.6	10	10.8	11.5	9.6	12	9.3
Heating	Rated @ 47°F (8.3°C)	Btu/h	10000	10000	11400	16400	24000	28000	34000
	Min. @ 47°F (8.3°C)		2400	2730	4200	6100	11900	12300	11400
	Max. @ 47°F (8.3°C)		11200	12500	14100	19200	27200	32200	44000
	Rated COP @ 47°F (8.3°C)		3.27	3.15	3.34	3.08	3.22	3.02	2.94
	HSPF2 (IV)		9.4	8.7	9.2	9.1	9	9	9.1
	HSPF2 (V)		7.2	6.7	7	7	7.1	7	7
Outdoor Temperature Operating Range	Cooling	°C	-15~50	-15~50	-15~50	-15~50	-15~50	-25~50	-25~50
		°F	5~122	5~122	5~122	5~122	5~122	-13~122	-13~122
	Heating	°C	-20~24	-20~24	-20~24	-20~24	-20~24	-25~24	-25~24
		°F	-4~75	-4~75	-4~75	-4~75	-4~75	-13~75	-13~75
Power Supply		V/Ph/Hz	208-230/1/60	115/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
MOCP (Maximum breaker)		A	15	20	15	20	20	30	35
MCA		A	12	19	13	15	19	28	33
Indoor Unit Dimensions	Net (WxDxH)	in.	28.7x7.87x11.5	31.57x7.87x11.61	31.57x7.87x11.61	38.23x8.98x12.64	42.6x9.21x13.27	49.57x11.14x14.25	49.57x11.14x14.25
		mm	729x200x292	802x200x295	802x200x295	971x228x321	1082x234x337	1259x283x362	1259x283x362
Indoor Unit Weight	Net	lb	18.08	19.4	18.96	25.35	30.64	43.43	43.43
		kg	8.2	8.8	8.6	11.5	13.9	19.7	19.7
Outdoor Unit Dimensions	Net (WxDxH)	in.	30.12x11.93x21.85	30.12x11.93x21.85	30.12x11.93x21.85	31.69x12.99x21.81	35.04x13.46x26.5	37.24x16.14x31.89	37.24x16.14x31.89
		mm	765x303x555	765x303x555	765x303x555	805x330x554	890x342x673	946x410x810	946x410x810
Outdoor Unit Weight	Net	lb	54.23	61.29	59.08	72.31	94.58	142.86	150.35
		kg	24.6	27.8	26.8	32.8	42.9	64.8	68.2
Indoor Unit Fan	Airflow (Turbo | High | Med. | Low | Silent)	CFM	306 | 247 | 177 | 141 | -	353 | 294 | 235 | 177 | 130	347 | 294 | 194 | 153 | -	471 | 400 | 330 | 271 | -	730 | 547 | 400 | 330 | -	871 | 648 | 447 | 330 | -	871 | 677 | 447 | 330 | -
	Noise (Turbo | High | Med. | Low | Silent)	dB(A)	43 | 38.5 | 33 | 24 | -	45 | 41 | 37 | 27.5 | 18.5	46 | 41 | 35 | 24 | -	49 | 45 | 38 | 23 | -	54 | 46 | 41 | 28 | -	56.5 | 52 | 45 | 36 | -	57 | 51 | 45 | 33.5 | -
	Moisture Removal	l/h	0.9	1.3	1.4	2.5	3	3.6	5.1
Outdoor Unit Fan	Max. Airflow	CFM	1294	1235	1235	1235	1765	2235	2235
Outdoor Unit Noise	Max.	dB(A)	53.5	52.5	53	58	62	61.5	63
Refrigerant Pre-Charge		oz	21.52	24.34	24.69	40.57	53.62	84.66	112.88
Pre-Charge Length		ft	24.6	24.6	24.6	24.6	24.6	24.6	24.6
Line Set	Liquid Line	in.	1/4	1/4	1/4	1/4	3/8	3/8	3/8
	Gas Line	in.	3/8	3/8	3/8	1/2	5/8	5/8	5/8
	Maximum Length	ft	82	82	82	98.4	164	164	213.2
	Maximum Height Difference	ft	49.2	49.2	49.2	65.6	82	82	98.4
Refrigerant			R454B	R454B	R454B	R454B	R454B	R454B	R454B
ENERGY STAR			✓ 6.1	-	-	✓ 6.1	-	✓ 6.1	-
ENERGY STAR Cold Climate			✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1

Asterisk (*) in model number is placeholder for version suffix (1, 2, etc.). Do not include asterisk (*) in model inventory query.
Images shown are for illustration purposes only and may not represent the exact product model or configuration available.
Performance at standard test conditions. Values shown are approximate and may have been rounded for ease of reference.
Refer to product submittals for complete specifications. Specifications subject to change without notice.
The ENERGY STAR name and the ENERGY STAR symbol are trademarks registered in Canada.

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.

Canadian Independent Contractor

Product specifications may change without notice. Images shown are for illustration purposes only and may not represent the exact product model or configuration available.