STIEBEL ELTRON

Simply the Best

Electric Space Heaters

> Fan
> Convection
> Infrared

> Quiet & attractive space heating
> Easy, surface-mount installation
> Safe, efficient, clean heat
> Supplemental or primary heating options

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Electric space heaters

Where are you looking to warm up?

We have several options for whatever space you need to make cozy. Warming up just a bathroom, hallway, or bedroom or do you need a primary heat source for a large living room? Tired of looking at electric baseboard heaters and want a stylish, energy efficient replacement? Do you need to spot heat a workshop or work station, or an outdoor eating or seating area? The tables below will help you choose the best heater for your needs.

What do you need to do?

	CK Fan Heater	CKT Fan Heater	CK Trend Fan Heater	CNS-E Convection Heater	CIR-I Infrared Heater	CIR-O Infrared Heater
Provide primary heat to a space	✓	✓	✓	✓		
Provide supplemental heat to a room that already has heat?	✓	✓	✓	✓	✓	✓
Find a replacement for baseboard heating?				✓		
Find the quickest way to heat a space?	✓	✓	✓		✓	✓
Draft-free heating?				✓	✓	✓
Boost heat temporarily though a timer (like in a bathroom in the morning)?		✓				✓
Heat people or objects in an area without heating the whole space?					✓	✓
Heat a patio or deck?						✓

Features

	CK Fan Heater	CKT Fan Heater	CK Trend Fan Heater	CNS-E Convection Heater	CIR-I Infrared Heater	CIR-O Infrared Heater
Timer boost function		✓			Must be installed with timer switch	Must be installed with timer switch
Frost protection setting (45°F / 7°C)	✓	✓	✓	✓		
Can be controlled by central thermostat	✓			✓		
Operating noise	49.7 dB(a)	49.7 dB(a)	49 dB(a)	Silent	Silent	Silent
Thermostat temperature range	41–86°F (5–30°C)	41–86°F (5–30°C)	45–95°F (7–35°C)	41–86°F (5–30°C)	On/off only	On/off only
Can be installed outdoors						✓

CK Series | Quiet Fan Heaters

The CK, CKT, and CK Trend are designed and made in Germany. These elegant, surface-mount fan heaters are extremely quiet.

They are a simple solution to quickly add heat to a room that may not get enough heat from a central source, as sometimes happens with a mini-split retrofit, or they can add heat to a space that never had it before, like a porch retrofit.

CK, CKT, and CK Trend heaters have an integral thermostat, but the CK can be linked to a central thermostat if it is installed in a room larger than 215 sq. ft.

Need to occasionally warm a room more than the thermostat is set for? The CKT, the boost timer version of the CK, is designed to add additional heat to a space when desired. Set the timer on the CKT for up to 60 minutes and the CKT outputs heat at its maximum setting. When the timer goes off, the CKT reverts to its thermostat setting, maintaining comfort at the original setting.

All CK Series models are designed with a frost protection setting. The lowest thermostat setting will maintain above freezing temperatures in an appropriately sized space.

> › Extremely quiet operation
> › Built-in thermostat
> › Convenient 60-minute boost timer on CKT
> › Downdraft design for even heat

CNS Series | Silent Convection Heaters

The CNS-E is a modern surface-mounted convection heater with a sleek European slimline design. CNS-E units are an effective, efficient replacement for traditional baseboard heaters, using significantly less room to accomplish the same heating task.

CNS-E heaters work through natural convection, ensuring draft-free operation. Cool room air flows in the bottom of the unit, is warmed by the heating element, and rises silently out the top to heat the room. The CNS-E is designed with a frost protection setting. The lowest thermostat setting will maintain an appropriately-sized room above freezing temperatures.

With its built-in thermostat, a single CNS-E is perfect as a stand-alone heating system in bathrooms or small rooms. Multiple CNS-E units can be placed strategically in larger spaces and their temperature settings adjusted individually for maximum comfort control. If used to replace an existing heater with a separate wall-mounted thermostat control, CNS-E heaters may be wired to use that control. Overheat protection is built into the unit.

> › Attractive slimline european design
> › Thermostat built into unit
> › Baseboard heater alternative
> › Draft-free, silent operation

CIR Series | Infrared Heaters

SunWarmth™ CIR heaters supply sun-like instant heat to warm objects without heating the space. Just as the sun's infrared light instantly warms you when you step from the shade into sunlight, a SunWarmth™ infrared heater gives you that same comfortable feeling. Unlike fan and convection heaters, a SunWarmth™ CIR heater heats the object, not the space. This provides maximum comfort and minimal energy usage in an outdoor situation, or anyplace where it is not necessary to heat an entire space.

The short-wave infrared technology in a SunWarmth™ CIR heater uses half the energy of heaters that rely on medium-wave infrared. SunWarmth™ CIR outdoor models are perfect for comfort or to extend the season on decks, patios, and balconies in homes or restaurants. SunWarmth™ CIR indoor heaters economically provide heat at a shop bench, production workstation, or patient treatment room – anyplace where comfort is needed without heating the entire space. They can even heat or dry materials used in production.
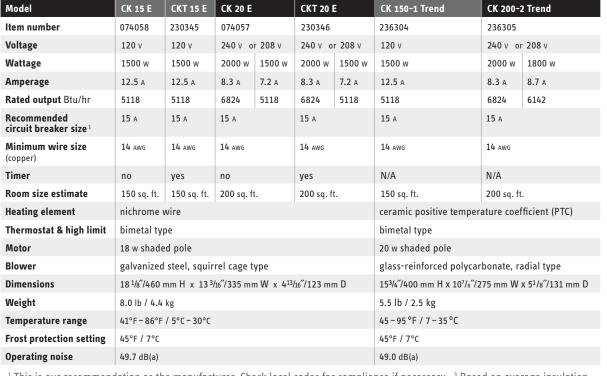
> › Instant heat as soon as it's switched on
> › Heats the object, not the surrounding air
> › Energy-efficient short-wave technology
> › Quiet and odorless

CK Series

Model	CK 15 E	CKT 15 E	CK 20 E		CKT 20 E		CK 150-1 Trend	CK 200-2 Trend	
Item number	074058	230345	074057		230346		236304	236305	
Voltage	120 v	120 v	240 v or 208 v		240 v or 208 v		120 v	240 v or 208 v	
Wattage	1500 w	1500 w	2000 w	1500 w	2000 w	1500 w	1500 w	2000 w	1800 w
Amperage	12.5 A	12.5 A	8.3 A	7.2 A	8.3 A	7.2 A	12.5 A	8.3 A	8.7 A
Rated output Btu/hr	5118	5118	6824	5118	6824	5118	5118	6824	6142
Recommended circuit breaker size [1]	15 A	15 A	15 A		15 A		15 A	15 A	
Minimum wire size (copper)	14 AWG	14 AWG	14 AWG		14 AWG		14 AWG	14 AWG	
Timer	no	yes	no		yes		N/A	N/A	
Room size estimate	150 sq. ft.	150 sq. ft.	200 sq. ft.		200 sq. ft.		150 sq. ft.	200 sq. ft.	
Heating element	nichrome wire						ceramic positive temperature coefficient (PTC)		
Thermostat & high limit	bimetal type						bimetal type		
Motor	18 w shaded pole						20 w shaded pole		
Blower	galvanized steel, squirrel cage type						glass-reinforced polycarbonate, radial type		
Dimensions	18 1/8"/460 mm H x 13 3/16"/335 mm W x 4 13/16"/123 mm D						15 3/4"/400 mm H x 10 7/8"/275 mm W x 5 1/8"/131 mm D		
Weight	8.0 lb / 4.4 kg						5.5 lb / 2.5 kg		
Temperature range	41°F – 86°F / 5°C – 30°C						45 – 95 °F / 7 – 35°C		
Frost protection setting	45°F / 7°C						45°F / 7°C		
Operating noise	49.7 dB(a)						49.0 dB(a)		

[1] This is our recommendation as the manufacturer. Check local codes for compliance if necessary. [3] Based on average insulation

CIR Series

Model	CIR 150-1 I	CIR 150-1 O	CIR 200-2 O	CIR 400-2 O
Item number	234047	234048	234049	234050
Usage	indoor only	indoor/outdoor	indoor/outdoor	indoor/outdoor
Voltage, 60Hz	120 V (supplied with plug & cord)		240 V (hard-wired / supplied with cord)	
Wattage	1.5 kW	1.5 kW	2.0 kW	4.0 kW
Amperage	12.5 A	12.5 A	8.3 A	2 x 8.3 A
Required circuit breaker(s) [1]	20 A	20 A	15 A	2 x 15 A
Required wire size (copper)	14 AWG	14 AWG	14 AWG	14 AWG
Lamp temperature	2420 ±360 °F / 1325 ±200 °C			
Lamp life (normal conditions)	5,000 hours			
Lamp color temperature	1,600, ±200 K			
Estimated square footage heated [2]	108–133 sq. ft.	108–133 sq. ft.	133–165 sq. ft.	205–275 sq. ft.
Average heat density [3]	13.9–11.3 W/ft²	13.9–11.3 W/ft²	15–12.1 W/ft²	19.5–14.5 W/ft²
Height	5 11/16"/ 145 mm			
Width	15 9/16"/ 395 mm	18 9/16"/ 471 mm	18 9/16"/ 471 mm	38 1/2"/ 978 mm
Depth	4 7/16"/ 112 mm	4 1/4"/ 108 mm	4 1/4"/ 108 mm	4 7/16"/ 112 mm
Weight	4.85 lb/ 2.2 kg	5.5 lb / 2.5 kg	5.5 lb / 2.5 kg	8.8 lb / 4.0 kg

[1] CIR heaters must be installed on a circuit with a timer or timer switch.
[2] When installed as specified in installation manual.
[3] Heat input needed is 2 W/ft² per °F temp. rise for outdoors and .75 W/ft² per °F temp. rise for indoors (discounting wind). (A 10 x 20 ft outdoor patio needing 15°F temp/ rise would be 10x20x15x2 = 6,000 W or 3 CIR 200-2.)

CNS Series

Model	CNS 50-2 E		CNS 75-2 E		CNS 100-2 E		CNS 150-2 E		CNS 200-2 E		CNS 240-2 E		CNS 100-1 E	CNS 150-1 E
Item number	231542		232068		231543		231544		231545		231546		233586	233587
Voltage	240 v or 208 v		240 v or 208 v		240 v or 208 v		240 v or 208 v		240 v or 208 v		240 v or 208 v		120 v	120 v
Wattage	500 w	375 w	750 w	563 w	1000 w	750 w	1500 w	1125 w	2000 w	1500 w	2400 w	1800 w	1000 w	1500 w
Amperage	2.1 A	1.8 A	3.1 A	2.7 A	4.2 A	3.6 A	6.3 A	5.4 A	8.3 A	7.2 A	10.0 A	8.7 A	8.3 A	12.5 A
Btu/hr	1706	1280	2559	1921	3412	2559	5118	3839	6824	5118	8189	6142	3412	5118
Required circuit breaker size [1]	15 A		15 A		15 A		15 A		15 A		15 A		15 A	15 A
Required wire size (copper)	14 AWG		14 AWG		14 AWG		14 AWG		14 AWG		14 AWG		14 AWG	14 AWG
Temperature range	45 °F – 86 °F / 7 °C – 30 °C													
Frost protection setting	45 °F / 7 °C													
Height	17 3/4" / 45.0 cm													
Width	14 9/16" / 37.0 cm		17 1/2" / 44.5 cm		17 1/2" / 44.5 cm		23 1/4" / 59.0 cm		29 1/8" / 74.0 cm		35 1/16" / 89.0 cm		17 1/2" / 44.5 cm	23 1/4" / 59.0 cm
Depth	3 15/16" / 10.0 cm													
Weight	8.4 lb / 3.8 kg		9.7 lb / 4.4 kg		9.7 lb / 4.4 kg		12.6 lb / 5.7 kg		15.0 lb / 6.8 kg		17.9 lb / 8.1 kg		9.7 lb / 4.4 kg	12.6 lb / 5.7 kg
Equivalent Baseboard [2]	2'		3'		4'		6'		8'		9.6'		4'	6'
Room size estimate [3]	50 sq.ft.		75 sq.ft.		100 sq.ft.		150 sq.ft.		200 sq.ft.		240 sq.ft.		100 sq.ft	150 sq.ft.

[1] This is our recommendation as the manufacturer. Check local codes for compliance if necessary.
[2] For comparison purposes only. Exact equivalent will depend on your climate.
[3] Based on average insulation

Ways to heat

Stiebel Eltron CK and CKT wall-mounted fan heaters use a small, quiet fan to pull in room air and send out heated air. These heaters are perfect for spaces like bathrooms that already have a primary heat source, but may need a little extra heat added quickly. They can also be used as the primary heat source in a small room or space, such as a hallway or small bedroom.

Our CNS-E wall-mounted convection heaters have no fan. Using the natural process of convection, air heated inside a CNS-E heater naturally rises out the top as cooler air is pulled into the bottom to be heated. A single CNS-E heater can provide heat for smaller spaces like bathrooms, bedrooms, and hallways. Multiple CNS-E heaters can easily be used to heat a larger space. CNS-E heaters have an integral thermostat but can be linked to a central thermostat. They make an excellent replacement for baseboard heating.

Sunwarmth™ CIR heaters heat objects directly, not the air around them by using the same infrared heat energy as the sun. They provide instant heat, and are ideal for outdoor heating on balconies, patios and decks. Indoors they can be used to heat a worker at a workstation, provide comfort in a health or spa treatment room, or provide heat for barn animals.

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