

COMPACT FAN HEATER



**HGL Series
Starts at
\$119**



- Compact Fan Heater for Increased Heat Output
- Built-In Overheat Protection
- DIN Rail Mountable
- Maintains Minimum Operating Temperatures in Enclosures
- Helps to Prevent Failure of Electronic Components Caused by Condensation and Corrosion

The HGL Series compact heater is designed for many different applications including electrical and electronic enclosures, display panels, access and parking control systems and personnel booths.

To determine the required heater size follow this equation:

$$P_H = (A \times \Delta T \times k) - P_v$$

P_H = Required heating power for your application in Watts (W)

P_v = Heating power generated by existing components (e.g. a transformer) in Watts (W)

A = Exposed enclosure surface area square meters (m²)

ΔT = Temperature differential between the desired minimum interior temperature and lowest possible external temperature of the enclosure in Kelvin (K), 1.8°F = 1°C = 1K

k = Heat transmission coefficient of the enclosure material used:

Stainless Steel: 3.7 W/m²K

Painted Steel: 5.5 W/m²K

Aluminum: 12 W/m²K

Polyester/Plastic: 3.5 W/m²K

For outdoor applications it is recommended to double the heating power.

SPECIFICATIONS

Operating Voltage: 110 to 120 Vac, 50/60 Hz

Wattage:

HGL04604640900: 250 W

HGL04604641900: 400 W

Heating Element: Resistance type cartridge heater

Heat Sink: Extruded aluminum profile, silver anodized

Surface Temperature: Max 75°C (167°F)—400 W heater

Overheat Protection: Built-in temperature limiter

Air Exit Temperature: Approx. 45°C (113°F) 50 mm (2") above heater

Axial Fan: Ball bearing, 50,000 h at 25°C (77°F)

Air Flow, Free Blowing, AC:
26 cfm (45 m³/h), 50 Hz; 32 cfm (54 m³/h), 60 Hz

Connection: Internal term. AWG 16 max [1.5 mm² (0.06 in²), with strain relief

Mounting: Clip for 35 mm (1.4") DIN rail (EN 50022)

Operating/Storage Temperature: -45 to 70°C (-49 to 158°F)

Protection Class: I (grounded)

Protection Type: NEMA 2 (IP20)

Weight:

HGL04604640900: 1.1 kg (2.4 lb)

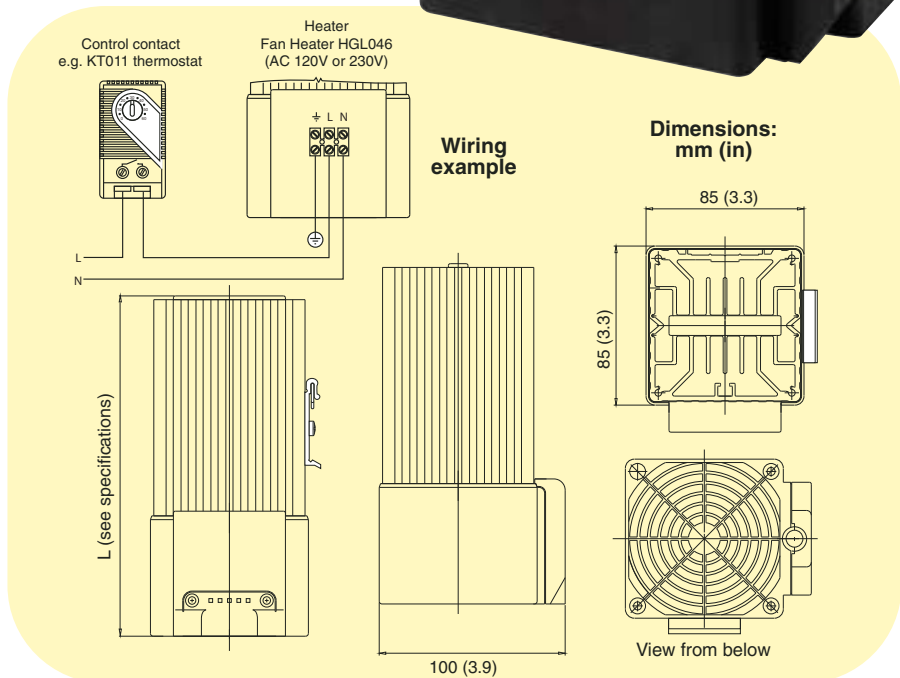
HGL04604641900: 1.4 kg (3.1 lb)

Length (L) (See Drawing Below):

HGL04604640900: 182 mm (7.2")

HGL04604641900: 222 mm (8.7")

HGL04604640900, \$119, shown smaller than actual size.



To Order (Specify Model Number)

AVAILABLE FOR FAST DELIVERY!

MODEL NO.	PRICE	DESCRIPTION
HGL04604640900	\$119	Fan heater, 250 W, 120 Vac
HGL04604641900	130	Fan heater, 400 W, 120 Vac

Comes with complete operator's manual.

Ordering Example: HGL04604640900, fan heater, 250 watts, \$119.

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