

Crankcase Heater

Specification Sheet

EasyHeat's Crankcase Heater provides a simple yet highly effective solution for heating motors and compressors.

Description

Crankcase Heater is designed for use as a heater on air conditioning and refrigeration metal compressors up to 1 meter (42 inches) in circumference in ordinary (non-hazardous) locations. The product is intended to warm the compressor casing to prevent refrigerant from migrating into Crankcase oil. This facilitates "cold start-up" by minimizing excessive motor wear and increasing compressor efficiency.

The cable consists of a heating section to warm up the crankcase, a non-heating lead for connection to power supply in a junction box, and a cable tie for fast, reliable and easy installation.

Features

- Warms up compressors during off hours and in cold environments
- One product for numerous compressor brands and types
- Simple cable-tie and power connections
- Proven SR technology with factory sealed connections and water-resistant thermoplastic elastomer (TPE) jacket

Benefits

- Prolongs compressor life
- Universal product that simplifies ordering
- Easy to install
- Reliable solution to heating compressors and motors

Product Selection

Model Number	Nominal Power	Service Voltage
CH501	40W	120 Vac
CH502	40W	208 – 277 Vac



Technical Data

Voltage CH501	120 Vac
Voltage CH502	208 – 277 Vac
Bus wire	0.82 mm ² (18 AWG)
Cable width	9.9 mm (0.39 in)
Cable thickness	5.6 mm (0.22 in)
Maximum wraparound (circumference)	1.0 m (42 in)
Maximum diameter to fit	0.33 m (13 in)
Hot section length	1.52 m (60 in)
Cold lead length	0.81 m (32 in)
Cable insulation outer jacket	TPE
Maximum exposure temperature	65.5°C (150°F)
Minimum installation temperature	0°C (32°F)
Minimum bending radius	0.07 m (3 in)

Power Outputs in Watts

Temperature	CH501		CH502		
	120 Vac	208 Vac	220 Vac	240 Vac	277 Vac
-17.7°C (0°F)	55W	48W	50W	55W	61W
-1.1°C (30°F)	46W	40W	43W	46W	52W
10°C (50°F)	40W	35W	37W	40W	45W
37.8°C (100°F)	25W	22W	23W	25W	28W
Voltage Correction Factor	1.0	0.87	0.92	1.0	1.12

Warnings

- Carefully follow installation instructions provided with product.
- Do not alter the length of the heating cable – the cable is factory sealed and alteration will result in risk of fire or electrical shock.
- Due to the cable's oval shape and flexibility, it is intended to be coiled only with the flat side of the cable against the compressor to provide appropriate heat transfer.
- Do not bend tighter than a 70 millimeter (3 inch) diameter as this will damage the heating cable and result in reduced heat output.
- The cable is solely designed for crankcase heating application. Misuse will void the warranty.
- When servicing the cable or compressor, the heating cable must be disconnected from electrical power.
- Replace any damaged cables as soon as the damage is discovered. Do not operate damaged cables.

Approvals



Warranty

Please visit www.easyheat.com to view the EasyHeat Limited Warranty and Liability