

FreezGard Self-Regulating Crankcase Heater for Refrigeration Compressors

Prolong motor life and increase compressor efficiency

When compressors operate in cold areas, refrigerant can migrate into the crankcase oil whenever the compressor is not running. On start-up, this can cause excessive motor wear and a loss of refrigeration efficiency.

FreezGard self-regulating crankcase heaters provide reliable peak heating during critical cold periods and, unlike conventional constant-wattage heaters, reduce their heating once the compressor starts up or the air temperature rises. Also, self-regulating heaters can be safely overlapped and closely

spaced without burning out; so one size fits all hermetic compressors up to 5 HP that are 40 inches or less in circumference.

Models for both 120 Vac and 208 to 277 Vac are available. Each comes with a flexible lockstrap and prestripped 28-inch cold leads for easy connection and hard-wiring. Use only with refrigeration compressors in nonhazardous areas.



UL Recognized Component

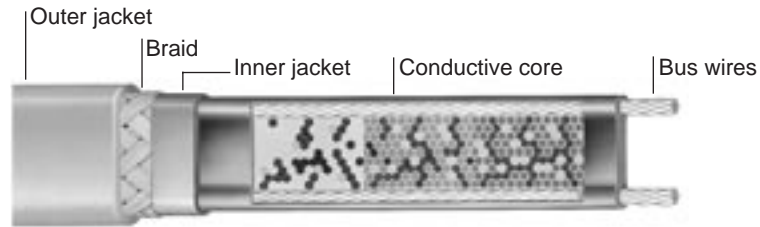


- Installs easily
- Works effectively and reliably
- Promotes energy efficiency



FreezGard Self-Regulating Crankcase Heaters

Product characteristics



When temperatures drop, the carbon molecules in the conductive core of the FreezGard crankcase heater create a network of electrical paths that increase the heat output. At 0°F, for example, each heater has an output of 60 watts.

When the core temperature rises—as it does when the ambient temperature increases or where the heater is overlapped on itself—the core expands and the network of electrical paths begins to disconnect. At 100°F, for example, each heater has an output of 15 watts. Therefore, the FreezGard crankcase heater can be overlapped without overheating.

Technical information

Service voltage (CCH-1C)	120 V
Service voltage (CCH-2C)	208–277 V
Power at 50°F (10°C)	32 watts (minimum)
Power at 0°F (–18°C)	60 watts (minimum)
Cold lead wire gauge	18 AWG
Cable width* (nominal)	0.615 (1.56)
Cable thickness* (nominal)	0.245 (.62)
Cable length*	48 (122)
Cold lead length*	28 (71)
Intermittent max. exposure temperature	185°F (85°C)
Insulation jacket type	Modified polyolefin
Girth (wraparound) dimension*	40 (102) or less in circumference

*Dimensions in inches (centimeters)



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