

## 7HT, 8HT, 9HT, & 14HT SERIES

### PTC Solid State Heaters

#### PRODUCT OVERVIEW

The 7, 8, 9, and 14HT series crankcase heaters are multi-voltage, in-well PTC devices. They are designed to eliminate compressor damage resulting from freon mixing with oil by creating a temperature differential between the oil and migrating freon.

#### Key Features

- Energy saving self-regulating PTC heaters
  - no thermostat required
- Multi voltage capability / 240-600 Vac
- Solid state reliability
- Allows higher compressor E.E.R.'s
- Output increases as ambient decreases
- Self compensates for voltage variations
- PTC element for long life
- UL tested for:
  - Temperature
  - Aging/Endurance
  - Humidity
  - Stability

The in-well design provides excellent thermal coupling to the crankcase oil, minimizing heat loss to the environment. The multi voltage capability eliminates the costly need for inventorying additional heaters.

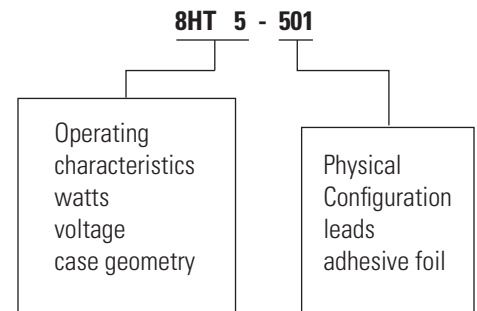
Self-regulating PTC provides for power reduction with temperature rise, without the need for switch controls or thermostats.

All 7, 8, 9, & 14HT crankcase heaters are manufactured under statistical process control and are 100% tested at 125% of rated voltage for conformance to specifications.

**UL File No.** E49372, SA5202

**CSA File No.** LR46861, LR80111

#### Coding System



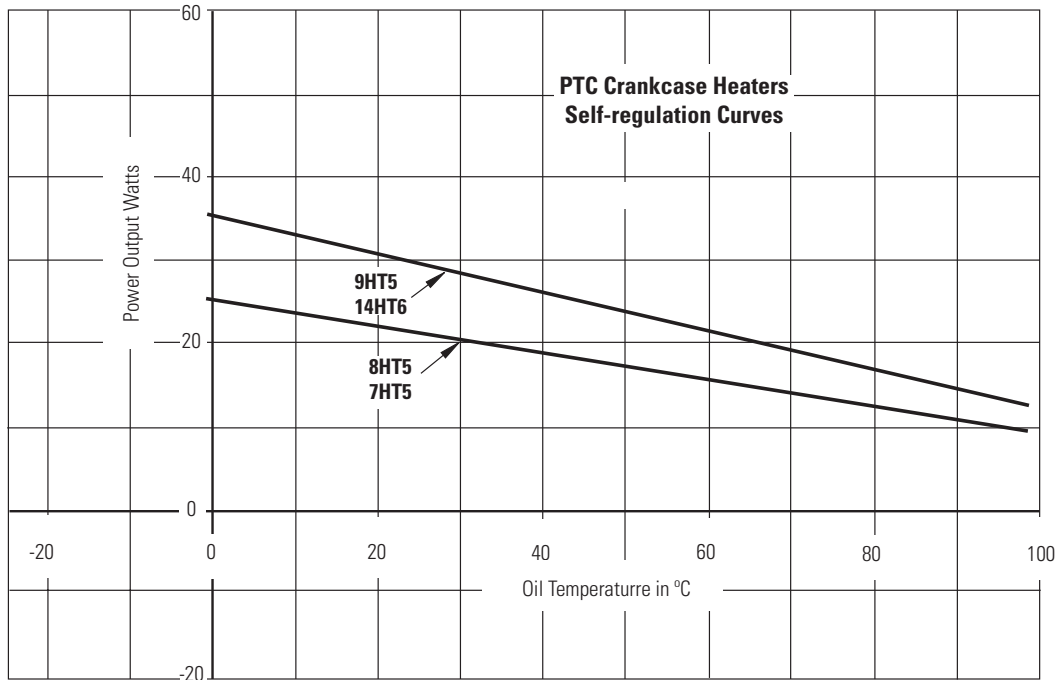
#### Rating

Part No.	Wattage @ 0°C H <sub>2</sub> O	Voltage
7HT5-XXX	25 - 35W	240-600 VAC
8HT5-XXX	25 - 35W	240-600 VAC
9HT5-XXX	40 - 55W	240-600 VAC
14HT6-XXX	35 - 45W	240-600 VAC

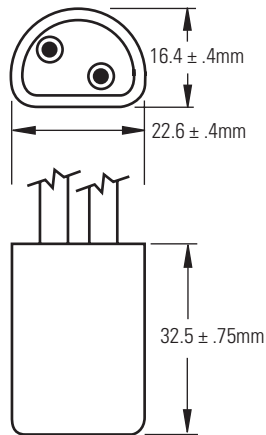
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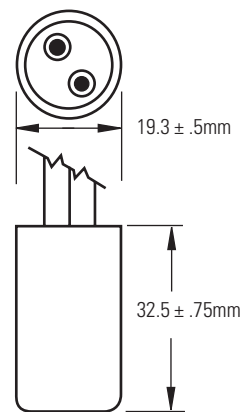
7HT/8HT/9HT/14HT Typical Power Output vs. Oil Temperature Curves



7HT, 14HT Series



8HT, 9HT, Series



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