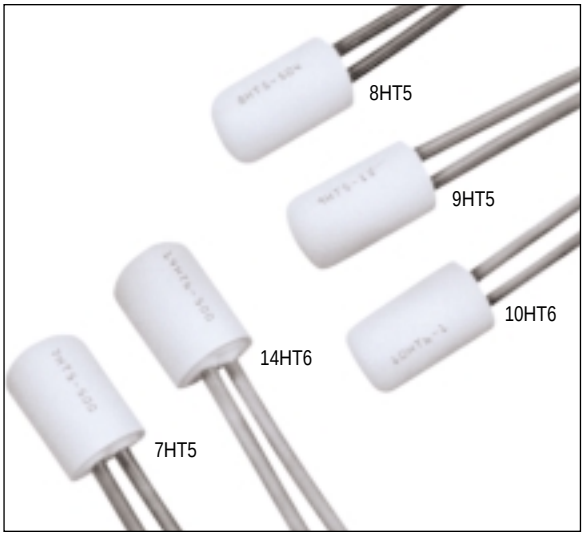
Product Bulletin

7HT, 8HT, 9HT, 10HT & 14HT SERIES

PTC solid State Heaters



Key Features

- Energy saving self-regulating PTC heaters - no thermostat required
- Multivoltage 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

Coding System

8HT 5 – 501

- 8HT 5: Operating characteristics watts voltage case geometry
- 501: Physical Configuration leads adhesive foil

Rating

Part No.	Wattage @ 0°C H_2O	Voltage
7HT5-XXX	25 - 35W	240-600 VAC
8HT5-XXX	25 - 35W	240-600 VAC
9HT5-XXX	40 - 55W	240-600 VAC
10HT6-XXX	55 - 70W	240-600 VAC
14HT6-XXX	35 - 45W	240-600 VAC

The 7, 8, 9, 10 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.

The in-well design provides excellent thermal coupling to the crankcase oil, minimizing heat loss to the environment. The multivoltage 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.

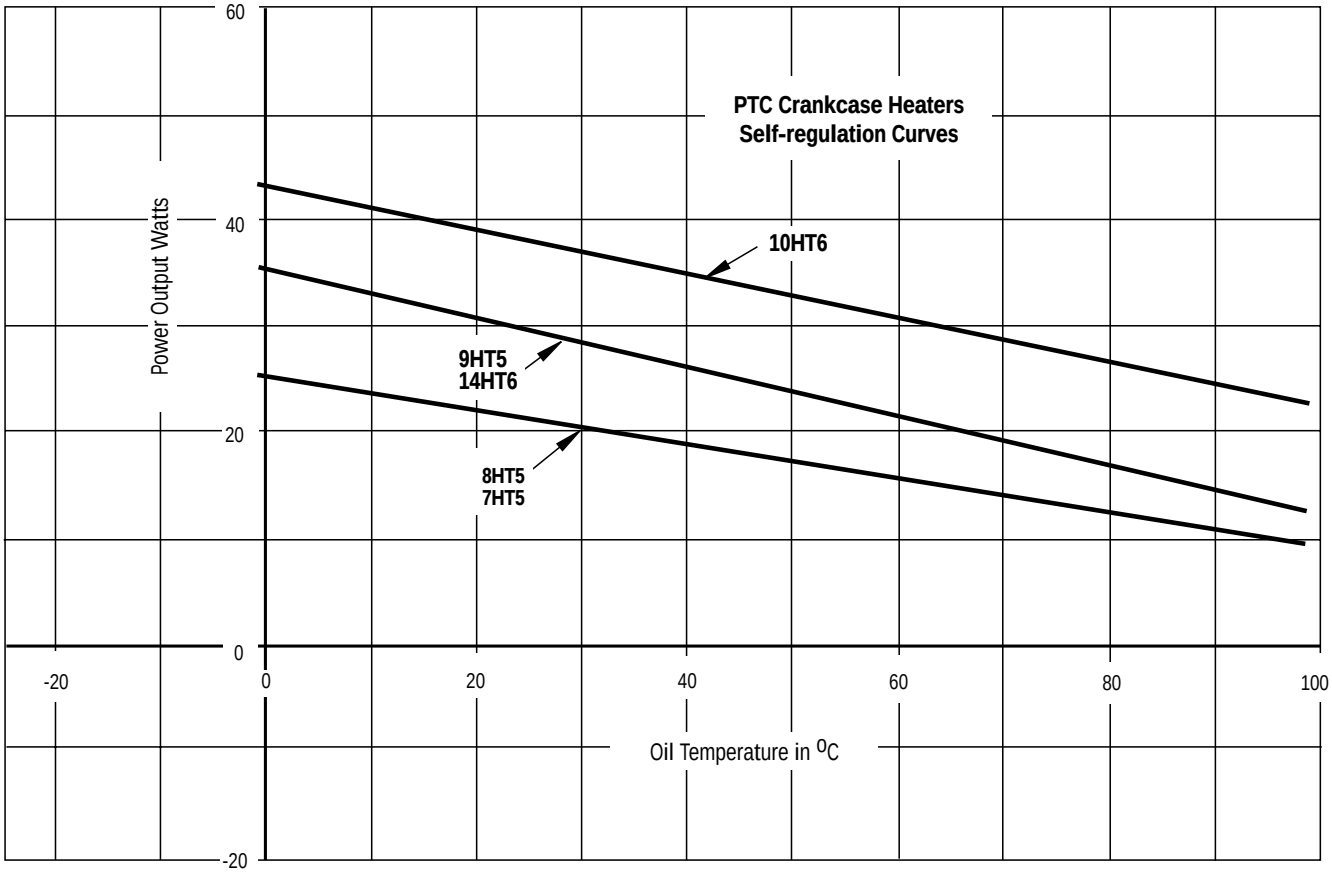
All 7, 8, 9, 10, & 14HT crankcase heaters are manufactured under statistical process control and are 100% tested at 125% of rated voltage for conformance to specifications.

UL File No. E49372, SA5202
CSA File No. LR46861, LR80111

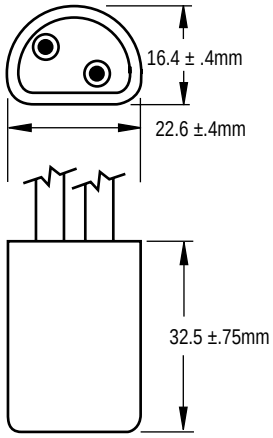
For further information write or call:

Texas Instruments Incorporated
Motor Controls Marketing
P.O. Box 2964
Attleboro, Massachusetts 02703-0964
Tel: (508) 236-3800

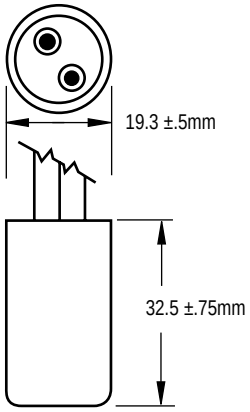
7HT/8HT/9HT/10HT/14HT Typical Power Output vs. Oil Temperature Curves



7HT, 14HT Series



8HT, 9HT, 10HT Series



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