



Number: C0119A Date: 7/6/01 Supersedes: Date:
Title: Ideal Random Wound Motors – Operating Temperatures
Category: *GENERAL* Termination Date:
Author: Matt Canino

Dept: CSS Service Engineering

Models CAC: 19XR, XRV with Ideal motors, 50 Hz, Low-voltage only
Affected: BDP:

Purpose:

This bulletin is to advise the field that 19XR-4 machines with **random wound, low voltage, 50 Hz** motors manufactured by Ideal Electric are likely to operate at a higher motor winding temperature than usual.

Machines Affected:

19XR4 machines manufactured after February 1999 with Ideal random wound, 50Hz, low voltage, standard and high efficiency motors are involved. These motors can be identified by referring to the following list:

| | |
|----------------------------------|------------------------------|
| Standard Efficiency, Low-voltage | 02XR44007101 to 02XR44007128 |
| High Efficiency, Low-voltage | 02XR44006701 to 02XR44006728 |

The part numbers are stamped on the lifting lug of the motor shell.

Information:

During qualification testing and field operation, the motor winding temperatures have reached the 160° - 180°F (65° - 82°C) range, well below the 220°F (104.4°C) motor winding temperature, protective safety limit. Field operating temperatures below the safety limit are considered acceptable. It is important to note that these temperatures are not detrimental to the compressor, the motor windings or the refrigerant.

File: Compressors, Motor, Drive, Gear