

# Customer Notification

B-CN-222-EN-Rev A

04/22/2020

**SUBJECT:** Orifice change on TTS350 Inverter Cooling Solenoid

## Purpose

This is to inform our customers of a change on the TTS350 compressors where the inverter cooling orifice is being standardized across all voltages for compressors built in Tallahassee, Florida and in Haiyan, China.

The TTS350 compressor uses a 2.5mm orifice for the motor cooling for all voltage configurations. The TTS350 380V Compressor has a 2.0mm inverter orifice and the TTS350 400V and 460V Compressors used a 1.6mm inverter orifice.

**The change is to standardize on the 2.0mm inverter orifice for all TTS350 compressors.**

## Action Required

No action is required on the part of the customer.

The slightly larger 2.0mm orifice provides equal or better cooling for the inverter across the entire compressor operating map. The larger orifice is backwards compatible to all previous Major Design Revisions of the TTS350.

**Note:** This change is only relevant on TTS350 compressors and is not relevant to TGS310 compressors.

Customers looking to replace either the Cooling Valve assemblies or the orifice can reference the latest spare parts manual, M-SP-001-EN Rev E.3 or later.

| MODEL                       | COOLING VALVES ASSEMBLY                     |           | ORIFICES                                |          |   |          | PLUNGER                         |          |
|-----------------------------|---|-----------|---|----------|---|----------|---------------------------------|----------|
|                             |   |           | MOTOR CAVITY                            |          | INVERTER                                |          |                                 |          |
|                             | DESCRIPTION                                 | PART NO.  | DESCRIPTION                             | PART NO. | DESCRIPTION                             | PART NO. | DESCRIPTION                     | PART NO. |
| TTS350<br>(ALL<br>VOLTAGES) | KIT-COOLING<br>VALVES<br>ASSEMBLY<br>TTS350 | 100150-11 | KIT – ORIFICE<br>BODY, COOLING<br>2.5MM | 100238   | KIT – ORIFICE<br>BODY, COOLING<br>2.0MM | 100239   | KIT – PLUNGER<br>ASSY, SOLENOID | 100235   |

This change will be implemented effective immediately. No spare part kits are being obsoleted or created with this change as the 1.6mm orifice is used on other models.

## Need Assistance

Please contact our Applications department by emailing [Turbocor.Apps.NA@Danfoss.com](mailto:Turbocor.Apps.NA@Danfoss.com) or your KAM should you have any questions regarding this change.