

Bulletin | Danfoss Turbocor Compressors

Customer Notification

B-CN-041-EN REV A

6/7/2016

SUBJECT: Soft Start Fan Replacement

Purpose

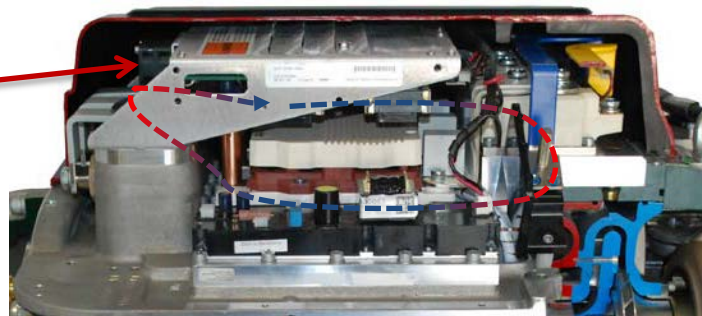
The purpose of this bulletin is to inform customers that Danfoss Turbocor has recognized that the fan which is installed on the Soft Start modules for all TT and TG series compressors needs to be established as a maintenance item. Establishing the **Soft Start Fan as a maintenance item** and **replacing it at regularly scheduled intervals** will help to ensure long-term compressor reliability. The replacement schedule is outlined in this bulletin.

Summary

All Danfoss Turbocor TT and TG Series compressors have a Soft Start fan which is the same across all models. The purpose of this fan is to provide air circulation in the top side electronics compartment.



Soft Start Fan



Action Required

The service life of the fan varies with the ambient operating temperature and the duty cycle of the fan. When the compressor is operated continuously at the maximum rated ambient of 46°C, the soft start fan should be replaced after 31,000 hours of fan operation.

Most compressors are not operated continuously at the maximum rated ambient temperature which would allow for an increase in the life of the fan.

Based off of expected usage conditions **DTC is recommending replacement of the soft start fan every 5 years which will be included as part of the Preventive Maintenance Tasks in the Service Manual.**

For compressors manufactured prior to June 2011 (serial number 111525010) where the fan is mounted with 2 screws, the life of the fan is reduced from the rated life due to additional vibration on the fan. In this case or in cases where the application is more severe, OEMs may elect to replace at an

earlier interval. The replacement interval could be as early as 3 years; however, this is at the discretion of the individual OEMs. For more information about this, OEMs can contact DTC Product Support.

Soft Start Fans are available as spare part replacement kits from DTC. The **spare part kit for the soft start fan is part number 100234** and this kit applies to all TT and TG compressors.

This recommendation **applies to ALL compressors** including **new OEM compressors and compressors currently installed in the field.**

Need Assistance

For further technical questions, please contact product.support@danfoss.com.