

Customer Notification

August 13, 2026

B-CN-457-EN REV A

SUBJECT: TTS650 and TGS510 Compressor Product Release

Purpose

This is to inform our customers that the new **TTS650 and TGS510 Turbocor® compressors** have been released and are now available for order. The new compressors deliver industry-leading performance for demanding water-cooled and air-cooled chiller applications.



The TTS650 has a nominal capacity of 185 tons / 650 kW at typical water-cooled conditions. The TGS510 has a nominal capacity of 145 tons / 510 kW at typical water-cooled conditions and offers a maximum SDT of 67°C (153°F) at high SST conditions greater than 20°C (68°F). These new products deliver exceptional, industry-leading efficiency across a wide variety of applications. Both models support operation in extreme ambient conditions, up to 57°C (125°F). The TTS650 excels in water-cooled applications and the TGS510 offers an expanded operating envelope suitable for air-cooled, high SST applications.

As with all Turbocor compressors, low GWP refrigerant options are available for use. The TTS650 is optimized for use with R134a and low-GWP R513A while the TGS510 performs with HFO1234ze and R515B.

Summary

The new TTS650 and TGS510 compressors are now available for ordering by Turbocor OEMs. Standard lead times apply.

Both compressors are now available to order using our Variant Configuration system. For more information regarding the overall Turbocor® Variant Configuration public online configurator tool located at store.danfoss.com and the ordering process, please refer to customer bulletin:

- **B-CN-164-EN Nomenclature Update & Variant Configuration**

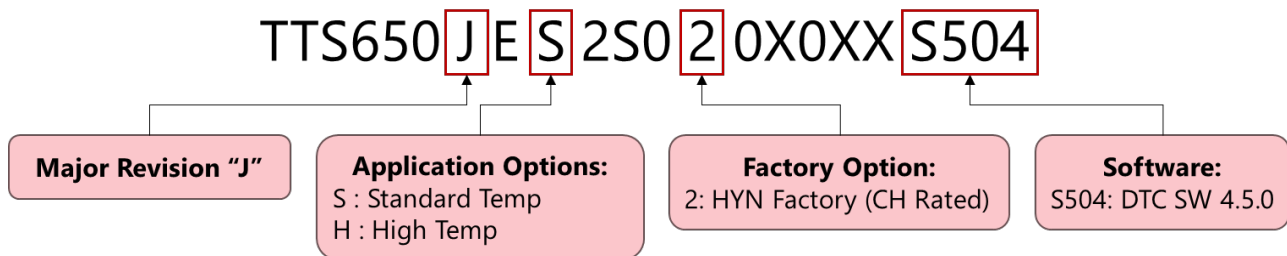
Danfoss Turbocor Technical Publications have been updated to include the new compressors and can be found on our website (www.turbocoroem.com).

There are new spare part kits that are specific to these new models. The new kits are as follows:

199K0020	IGV THROAT
199K0021	IGV DRIVE ASSY
199K0022	FLANGE, DISCHARGE, BRASS 2-5/8IN
199K0023	IGV HOUSING, BARE
199K0040	BRACKET, MAINS PLATE, 3.5 IN DIA
199K0041	BRACKET, MAINS PLATE, 2.5 IN DIA
199K0042	BRACKET, MAINS PLATE, 2.0 IN DIA
199K0043	BRACKET, MAINS PLATE, 3.0 IN DIA
199K0093	GROUND POST, MAIN INPUT, 0.375 IN

TTS650 and TGS510 Compressor Configuration

The TTS650 and TGS510 Series compressors will be configured as Major Revision "J", will come with version 4.5.0 firmware, and will utilize a new software configuration number: S504. These new models are currently available from our Haiyan, CN factory.



For more information regarding firmware version 4.5.0, please refer to customer bulletin:

- **B-CN-442-EN TT/TG Series Compressor Software Configurations Update**

The Excel file described in bulletin B-CN-442-EN has been updated on our turbocoroem.com website to include the new TTS650 and TGS510 BMCC part numbers.

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Action Required

Customers wishing to purchase the new TTS650 and TGS510 Series compressors can contact their Key Account Manager to determine pricing. Customers should visit [North America Tallahassee Factory Sales | Homepage \(danfoss.com\)](#) to configure their compressor according to their specifications. With compressor pricing and Type Code defined, customers can place an order with Danfoss Customer Service at turbocor.cs.na@danfoss.com.

As a result of the product launch, many of the manuals and guides provided by Danfoss LLC have been updated. These include:

- M-AP-001-EN Applications and Installation Manual Rev U
- M-SP-001-EN TT and TG Spare Parts Manual Rev L

Please reference these new manuals going forward for all TT/TG Series compressors.

Need Assistance

DTC Applications is available to support our OEM customers. Contact DTC Applications (dtcapplications@Danfoss.com) directly or your local Key Account Manager with any questions.

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