

# TECHNICAL CIRCULAR

DOC No.: HHI-TEC-0445

Date : APR 18, 2022

**SUBJECT: REMOVAL OF THE VARIABLE FREQUENCY DRIVE  
FUNCTION FOR AUXILIARY BLOWER IN X-DF ENGINES.**

**TYPE: ALL HYUNDAI-WinGD X-DF ENGINES.**

## DISTRIBUTION

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We, HHI-EMD have had the standard application of the Variable Frequency Drive(called VFD) to the auxiliary blower starter in the HYUNDAI-WinGD X-DF engines so far according to licensor(WinGD)'s standard specification and design criteria.

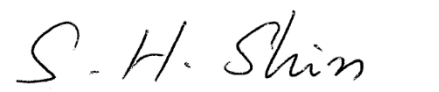
At the very initial design stage of the X-DF engine, WinGD had aimed to improve the system for the performance optimization by using VFD functionality, it had actually been reviewed over a few years.

Even though this application had been tested several times and evaluated carefully, it has been finally proven that auxiliary blower motor without VFD functionality can fully secure the sufficient performance, so we and WinGD have recently decided to exclude the VFD from the auxiliary blower motor specification.

Consequently, the normal switch boxes for auxiliary blower will be applied to Hyundai-WinGD X-DF engines from now on.

We hope the information will do you a valuable service.

Yours sincerely,



S. H. SHIN / Senior Engineer

Head of Marine Engine & Machinery Technical Sales Dep't