

Engine Announcement: The WinGD X82DF-2.0

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1 Introduction

WinGD, the marine industry's leading low speed engine developer introduces a new version of the X82DF engine model including the X-DF 2.0 iCER (Intelligent Control by Exhaust Recycling) technology. The new engine will be designated as the X82DF-2.0, and the earliest engine delivery is expected to be by the end of 2022.

After the successful introduction of the X-DF 2.0 iCER Technology on the X72DF, X62DF and X52DF engines (refer to TIN 021, TIN 022, and TIN 023) for gas mode operation, WinGD is now rolling out the X-DF 2.0 iCER technology) also for the X82DF engine model with multiple turbocharger installations for gas mode operation.

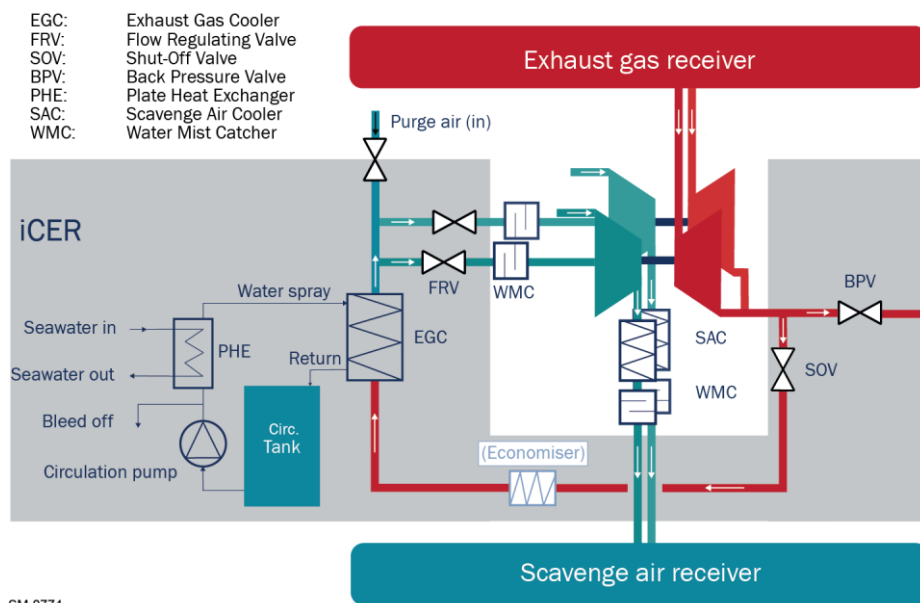
The iCER technology offers a reduction in fuel gas consumption (BSGC) of at least 3% in gas mode and 5 g/kWh reduction of the diesel fuel oil consumption (BSFC) when in diesel mode. The methane slip is reduced by up to 50%.

2 Main engine parameters

The engine power rating field remains the same as for the existing X82DF-1.0. The updated official engine performance data for the X82DF-2.0 can be found in WinGD's "General Technical Data" (GTD) latest version 2.14.0.1.

3 The iCER system description and arrangement

The arrangement of the iCER system and further technical details are described in TIN 018 “Launching X-DF2.0 with iCER Technology”. This Technical Information Note only describes the main differences due to the multiple turbocharger arrangement, which can be seen in Figure 3-1.



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Figure 3-1: The iCER system overview with a double turbocharger arrangement