

Engine Announcement: The iCER on-engine system for the X72DF-2.1 and X72DF-2.2

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1 Introduction

WinGD introduces a new option for the popular X72DF engine model that includes the iCER (Intelligent Control by Exhaust Recycling) technology with the iCER on-engine system.

The iCER on-engine system offers the same performance as the already available iCER off-engine option. It reduces the energy consumption in gas and diesel mode, while reducing the methane slip by up to 50% during gas operation, compared to an engine without iCER technology. The integration of the main iCER components on the engine reduces the installation and the system commissioning efforts.

The iCER on-engine system is available with the iCER diesel Tier III variant, and fulfils IMO Tier III NO_x compliance without any additional exhaust gas aftertreatment in both, gas and diesel mode operation.

The iCER on-engine system is currently available for the 5- and 6-cylinder configurations of the X72DF-2.1 and X72DF-2.2 engines.

2 Main engine parameters

The engine parameters and performance data for gas and diesel mode are the same as the iCER off-engine system. The iCER on-engine system and its performance data is included in the current GTD.

3 Engine availability

The 5- and 6-cylinder configurations of the X72DF-2.1 and X72DF-2.2 can now be ordered.

4 The iCER on-engine system

The installation of the iCER on-engine system offers a compact engine design. All components of the exhaust gas flow control (BPV, SOV and FRV), as well as the Exhaust Gas Cooler (EGC) are installed on the engine, minimising the required installation space in the engine room.

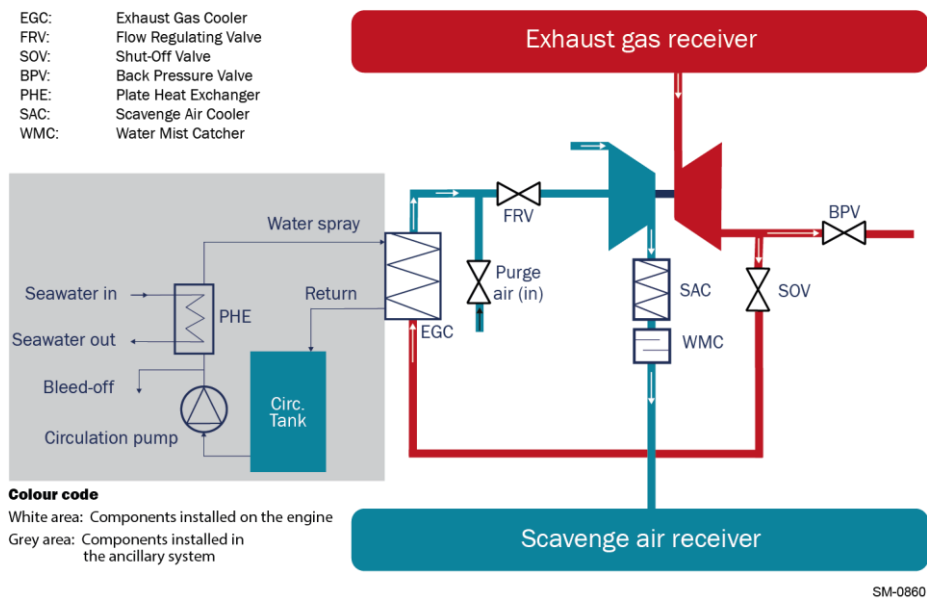


Figure 4-1: The iCER on-engine system



Figure 4-2: The X72DF-2.1 and X72DF-2.2 with the iCER on-engine system