

**POTVRDA O TIPNOM ODOBRENJU**
TYPE APPROVAL CERTIFICATE**Br /No** **02-001419/022859**

Potvrđuje se da je ovaj proizvod, u skladu s Pravilima za klasifikaciju brodova, Dio 1. - Opći propisi, Odjeljak 3. - Tipno odobrenje proizvoda, odobren za ugradnju na brodove i postrojenja pod nadzorom Hrvatskog registra brodova.

This is to certify that this product on the basis of the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products, is approved for use on board ships and installations under supervision of the Croatian Register of Shipping.

TIP I OPIS PROIZVODA:

TYPE AND DESCRIPTION OF PRODUCT:

ME Engine Control System

consisting of:

Hydraulic power supply (HPS)

Hydraulic cylinder unit (HCU)

Engine control system (ECS)

-Starting air valves

-Start and reversing sequences

-Governor function

-Auxiliary blowers

-Electronically profiled injection (EPIC)

-Exhaust valve actuation

-Alpha lubricator

Exhaust valve

Exhaust gas by-pass

Crankshaft position sensing system

Local operation panel (LOP)

Main operating panel (MOP)

PROIZVOĐAČ:

MANUFACTURER:

MAN Diesel A/S

Teglholmsgade 41

DK - 2450 Copenhagen SV*DENMARK***PROIZVOD UDOVOLJAVA SLIJEDEĆIM PRAVILIMA/PROPISIMA:**

THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

Pravila za klasifikaciju brodova, Dio 9 – Strojevi, Dio 13 – Automatizacija*Rules for the Classification of Ships, Part 9 – Machinery, Part 13 – Automation*

IACS UR E10

PODRUČJE PRIMJENE/POSEBNI GRANIČNI UVJETI:

FIELD OF APPLICATION/SPECIAL OPERATIONAL LIMITS:

Upravljanje MAN dizelskim motorima ME i ME-C tipa.*Control of MAN Diesel engines of ME and ME-C type.***Tipno odobrenje obuhvaća sljedeću verziju programske opreme (uključivo i sve prethodne verzije):***The type approval covers the following software version (including all the previous versions):*

ME-ECS-SW-0905-4.8 (Nov 2009)

ODOBRENJE VRIJEDI DO:

APPROVAL IS VALID UNTIL:

2012-12-10**UZ UVJETE NAVEDENE NA POLEDINI**

SUBJECT TO CONDITION OVERLEAF

Mjesto i datum:

Place and date:

Split, 2010-05-17**M.P.**

(Seal)

Goran Begović, dipl. ing.

Odobrenje je valjano ako je ovaj proizvod izveden prema slijedećoj dokumentaciji:

The approval is valid if this product is manufactured in accordance with the following documentation:

odobrenoj od Hrvatskog registra brodova kako je navedeno u pismu br. (od):
approved by Croatian Register of Shipping as stated in the letter No.(dated):

845/TE/VB/TSv/NV/030453

(2003-05-20)

Ovo odobrenje ne isključuje zahtjev za nadzorom tijekom izradbe proizvoda kod proizvođača, u skladu s gore navedenim Pravilima.

This approval does not eliminate the need for inspection during manufacturing of the product into manufacturers shop in compliance with a.m. Rules.

Raščlana

13 . 01 . 01

Zamjenjuje potvrdu

03-001149/030753