

PODROBNJI OPIS PROIZVODA:*DETAIL PRODUCT DESCRIPTION:*

ME-B ECS je elektronički sustav upravljanja hidrauličko-mehaničkim ubrizgavanjem goriva za MAN B&W dvotaktne diesel motore. Sastoji se od više upravljačkih jedinica:

ME-B ECS is an electronically controlled system for the hydraulic-mechanical fuel injection actuation for MAN B&W 2-stroke diesel engines. It is consisted of several control units:

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| <i>Bridge Panel (through external RCS system)</i> | <i>MPC-10 – Multi Purpose Controller (CCU)</i> |
| <i>MOP – Main Operating Panels (engine control room)</i> | <i>HPS – Hydraulic Power Supply</i> |
| <i>ECMOP – Main Operating Panel (Touchscreen)</i> | <i>HCU – Hydraulic Cylinder Unit</i> |
| <i>ESC – Engine Side Console</i> | <i>ELFI – Electronic Fuel Injection</i> |
| <i>EICU – Engine Interface Control Unit</i> | <i>ALS – Alpha Lubricator System</i> |
| <i>CCU – Cylinder Control Unit</i> | <i>CPS – Crankshaft Position Sensors</i> |
| <i>SCU – Scavenging Air Control Unit</i> | |
| <i>MPC – Multi purpose Controller</i> | <i>Other components as specified in approval letters</i> |

TEHNIČKA DOKUMENTACIJA / NACRTI:*TECHNICAL DOCUMENTATION / DRAWINGS:*

ME-B ECS General System Information, 3099630-1.0, dated 2013.07.01.

PODRUČJE PRIMJENE / POSEBNI I GRANIČNI UVJETI:*APPLICATIONS / LIMITATIONS:*

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| <i>Engine start, stop and reversing</i> | <i>Monitoring (for alarm and safety systems)</i> |
| <i>Control of fuel injection</i> | <i>Scavenging air pressure control (optional)</i> |
| <i>Automatic speed control</i> | <i>Autotuning (optional)</i> |
| <i>Control of cylinder lubrication</i> | |

DOKUMENTACIJA ZA TIPNO ODOBRENJE:*TYPE APPROVAL DOCUMENTATION:*

Programme for TAT of Software MAN B&W ME-B ECS, Document No. 3091481-8 v. 2.8, approved by CRS letter 1554/TE/VB/031041, dated 2013.07.10.

Final Report, Type Approval Test of ME-B ECS-SW version 1212, Document No. 3099629-1.2 – Hyundai Heavy Industrie, Engine & Machinery Division, Ulsan - Korea, dated 2013.07.19.

OZNAČAVANJE PROIZVODA:*MARKING OF PRODUCT:*

Ime proizvođača, tip proizvoda, serijski broj-identifikacija, datum proizvodnje, napon napajanja i programska izvedba.

The Manufacturer and Type Designation of the product, serial number, date of manufacture, supply voltage and software version.

UVJETI ZA CERTIFIKACIJU:*CONDITIONS OF CERTIFICATION:*

Za svaku primjenu na brodovima klase HRB-a, potrebno je dostaviti kompletnu tehničku dokumentaciju s nacrtima na pregled i odobrenje prije postavljanja na brod. Značajnije izmjene u software-u moraju biti odobrene prije primjene na brodu.

Pojedinačni prihvata motora obvezno mora uključiti provjeru funkcionalnosti ME-B ECS sustava upravljanja.

For each application on board CRS classed vessels complete technical documentation and drawings shall be submitted for examination and approval prior installation on board. Major changes in the software are to be approved before on board application.

Each engine FAT test must include ME-B ECS Integration Test with particular engine.

Raščlana

13.01.01

Zamjenjuje potvrdu

02-001607/023370