



Certificate No. 02-002889/024915

TYPE APPROVAL CERTIFICATE

This is to certify that this product complies with the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products.

TYPE AND DESCRIPTION OF PRODUCT:

DIESEL ENGINE, series CURSOR 9

MANUFACTURER:



FPT Industrial S.p.A.
Via Puglia 15
10156 Turin, Italy

THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

CRS: Rules for the classification of ships, Part 9. - Machines.

FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.

APPROVAL IS VALID UNTIL: **2024-02-20**

Place and date: Split, 2020-02-20

Seal

Marinko Popović, dipl.ing.

NOTE: This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Croatian Register of Shipping of any modification or changes to the product in order to obtain a valid certificate.

DETAILED PRODUCT DESCRIPTION:

4-stroke, water cooled diesel engines

Cylinder bore: 117 mm
 Piston stroke: 135 mm
 Cylinder number: 6 in-line
 Compression ratio: 15,9:1 14,5:1 (M 62)

APPLICATION / LIMITATIONS:

for propulsion

Model	Rated cont. output, kW	Rated speed, rpm	Pressures, bar	
			MFP	MEP
C87ENT M38.11	279	2000	160	19,3
C87ENT M62	368	2530	132	20

for auxiliary duties

C87ENT M38.11	276	1800	160	21,2
	230	1500		

TYPE APPROVAL DOCUMENTATION:

The documentation approved by CRS with No. (dated): 023706 (2015-02-09)

MARKING OF PRODUCT:

- manufacturer's mark
- location and year of final fitting
- CRS mark

CONDITIONS FOR CERTIFICATION:

Minimal tensile strength of crankshaft material is 750 MPa.

Signalization and protection related to the engine shall be subject to CRS approval in each particular case and will depend on service applied and the degree of automation of the engine plant.