



Certificate No. 02-005090/026597

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

Type

D 3872 LE

MANUFACTURER:

MAN Truck & Bus SE
Nürnberg, Germany

THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

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: **2029-08-26**

Place and date: Split, 2025-08-26

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:

Number of cylinders	12
Cylinder arrangement	in-Vee (90°)
Working cycle	4- stroke
Cylinder bore (mm)	138
Stroke (mm)	165
Kind of fuel	Liquid
Fuel injection	Electronically controlled, direct injection type, common rail
Valve operation	Cam control
Turbocharging system	Constant-pressure, single-stage & two-stage, with charge air cooling

APPLICATION / LIMITATIONS:

Application: Propulsion and auxiliary engines

Engine model	D 3872 LE 432	D 3872 LE 443	D 3872 LE 433
Rated power (kW)	1213	1471	1618
Rated speed (rpm)	2100	2300	2300
Mean effective pressure (bar)	23,4	25,9	28,5
Max. firing pressure (bar)	194	205	223
Application / Rating*	Medium Duty	Light Duty	Light Duty**

*Reference is made to Manufacturer marine rating classification.

**No 110% load capability

Power ratings lower than those stated is accepted as long as they are within the values approved by engine designer.
Intended for use in multi-engine installation only.

TYPE APPROVAL DOCUMENTATION:

Approved by the Croatian Register of Shipping with letter No.(dated): 2276/TSE/DL/026597 (2025-08-26)

MARKING OF PRODUCT:

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

CONDITIONS FOR CERTIFICATION:

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.