CROATIAN REGISTER OF SHIPPING

Certificate No. 02-005651/027240

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

M33.2

MANUFACTURER:

Société Internationale des Moteurs Baudouin

Technoparc du Brégadan
13260 Cassis
France

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: **2030-08-30**

Place and date: Split, 2026-08-30 **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	**6, 12**
Cylinder arrangement	**In-line (6 cylinders) and in-Vee (12 cylinders)**
Working cycle	**4- stroke**
Cylinder bore (mm)	**150**
Stroke (mm)	**185**
Kind of fuel	**Liquid**
Fuel injection	**Cam control, direct injection type**
Valve operation	**Cam control**
Turbocharging system	**Constant-pressure, single-stage wih charge air cooling**

APPLICATION / LIMITATIONS:

Application: **Propulsion and auxiliary engines**

Engine type	**6M33.2**	
Rated power (kW)	**501**	**552**
Rated speed (rpm)	**1500**	**1800**
Mean effective pressure (bar)	**20,4**	**18,7**
Max. firing pressure (bar)	**170**	**170**

Application: **Propulsion and auxiliary engines**

Engine type	**12M33.2**	
Rated power (kW)	**1002**	**1104**
Rated speed (rpm)	**1500**	**1800**
Mean effective pressure (bar)	**20,4**	**18,7**
Max. firing pressure (bar)	**170**	**170**

Power ratings (at the same rated speed) lower than those stated is accepted as long as they are within the values approved by engine designer.

TYPE APPROVAL DOCUMENTATION:

Approved by the Croatian Register of Shipping with letter No.(dated): *1811/TSE/DL/025599* *(2022-08-30)*

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.