CROATIAN REGISTER OF SHIPPING



Certificate No.

02-002879/024900

TYPE APPROVAL CERTIFICATE

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.

TYPE AND DESCRIPTION OF PRODUCT:

DIESEL ENGINE, type QSK60

MANUFACTURER:

CUMMINS Inc. 4500 Leeds Avenue, Suite 301 Charleston, SC 29405 USA

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: 2024-02-11

Place and date: Split, 2020-02-11

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.

Seal



DETAILED PRODUCT DESCRIPTION:

Number of cylinders	16
Cylinder arrangement	Vee (V-angle 60°)
Working cycle	4- stroke
Cylinder bore (mm)	159
Stroke (mm)	190
Kind of fuel	Liquid
Fuel injection	Direct injection type
Valve operation	Cam control
Turbocharging system	Constant-pressure, single-stage wih
	charge air cooling

APPLICATION / LIMITATIONS:

Application: Propulsion engine

Engine name	QSK60-M		
Max. rated power (kW/cyl.)	93,19	139,81	125,81
At speed (rpm)	1600	1800	1900

Application: Auxiliary and genset engines

Engine name	QSK60-DI	QSK60-DM	
Max. rated power (kW/cyl.)	118,75	139,81	
At speed (rpm)	1500	1800	

Lower ratings 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): 214/TSE/DL/024900 (2020-02-11)

MARKING OF PRODUCT:

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

CONDITIONS FOR CERTIFICATION:

Minimal tensile strength of crankshaft material: 792 N/mm². 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.