

CROATIAN REGISTER OF SHIPPING



Certificate No. 02-003623/025567

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:

**Marine Reduction Gearboxes for Diesel Engine Propulsion
types DMT P6500, 400H, 430H, 460HL, 550H, 561HL, 600DL**

MANUFACTURER:



1367-13, Namgang-ro, Jinju
Gyeongnam
Korea

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: **2026-08-01**

Place and date: **Split, 2022-06-13**



(Signature)
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:

Marine reduction gearboxes for propulsion with built-in hydraulic clutches, and with reversing stage.

APPLICATION / LIMITATIONS:

*The approval status is based on application factor 1,30 and 1,50**

Model	Power, kW	RPM	Torque, Nm	Reduction Ratios
DMTP6500	610*	2300	2536	5,11 5,62 5,91
	564*		2332	6,57 6,95
DMT400H	1070		4443	1,43 1,72 2,03
	938		3893	2,46
	763		3168	2,75
	111		588	Live P.T.O. 0,92
DMT430H	1070	2300	4443	2,06 2,44 2,93
	1016		4217	3,23
	964		4001	3,4
DMT460HL	1069		4443	3,02 3,28 3,56 4,07
	966*		4012	4,48
	881		3666	4,95
DMT550H	1302		5405	1,43 1,64 1,81 2,03
	1268		5267	2,33
	1146		4756	2,6
	956		3970	2,91
DMT561HL	1299		5395	2,53 3,02 3,28 3,56 4,07
	1242*		5159	4,48
	1026		4263	4,95
DMT600DL	1412		2200	6129
	1335	5796		4,48
	1222	5306		4,95

TYPE APPROVAL DOCUMENTATION:

Approved by the Croatian Register of Shipping with letter No.(dated): 2456/TS/IA/024000 (2016-10-27)
35/TS/IA/024000 (2017-01-11)
1859/TSE/IA/024413 (2018-08-01)

Type test report:

2017-01-16

MARKING OF PRODUCT:

- *manufacturer's mark*
- *serial No.*
- *location and year of manufacturing*
- *CRS mark*

CONDITIONS FOR CERTIFICATION:

The manufacturer shall make arrangements for the CRS Surveyor to attend the relevant tests and examinations at manufacturer's works or to perform the relevant audits in case an alternative survey scheme has been approved. Relevant CRS certificate for each particular reduction gearbox will be issued after satisfactory completion of the procedure.

Measuring devices, sensors and alarms shall be subject to CRS approval in each particular case and will depend on service applied and the degree of automation of the propulsion plant.