



Certificate No. 02-003416/025372

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 6135

MANUFACTURER:

JOHN DEERE POWER SYSTEM
3801 West Ridgeway Avenue
P.O. Box 5100
Waterloo, IA 50704-5100
USA

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: **2025-10-06**

Place and date: Split, 2021-10-06

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
Cylinder arrangement	In-line
Working cycle	4- stroke
Cylinder bore (mm)	132
Stroke (mm)	165
Kind of fuel	Liquid
Fuel injection system	Electronically controlled, Unit injector, Direct injection
Valve operation	Cam control
Turbocharging system	With turbocharging, with charge air cooling 6135SFM: aftercooled, air to seawater 6135AFM: aftercooled, air to enginecoolant

APPLICATION / LIMITATIONS:

Application: Propulsion

Model	6135SFM85 and 6135SFM75					6135AFM85 and 6135AFM75			
Rated power (kW)	317	373	429	485	559	272	317	373	429
Rated speed (rpm)	1800	1900	2000	2100	2200	1800	1900	2000	2100
Mean effective pressure (bar)	15,6	17,4	19,0	20,5	22,5	13,4	14,8	16,5	18,1
Application / rating*	M1	M2	M3	M4	M5	M1	M2	M3	M4

*Reference is made to Manufacturer marine rating classification.

Application: Auxiliary and emergency

Model	6135SFM85 and 6135SFM75		6135AFM85 and 6135AFM75	
Rated power (kW)	416	334	333	278
Rated speed (rpm)	1800	1500	1800	1500
Mean effective pressure (bar)	20,5	19,8	16,4	16,5

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):

1148/TSE/KF/024141, 2017-05-25

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.