

Trailing Suction Hopper Dredger 650

YN563054 – TOMMY NORTON



GENERAL

Yard number	563054
Delivery date	October 2017
Basic functions	Trailing suction dredging
Classification	Bureau Veritas I, ✘ Hull, ✘ Mach, Hopper Dredger, unrestricted navigation – dredging within 15 miles from shore or within 20 miles from port, ✘ AUT-UMS, INWATERSURVEY, PROTECTED FO TANKS, GREEN PASSPORT
Flag	Australia
Owner	Pt. Pelayaran Fortuna Nusantara Gippsland Ports

DIMENSIONS

Length o.a.	60.37 m
Length b.p.p.	55.60 m
Beam moulded	12.00 m
Depth moulded	4.00 m
Draught (summer)	3.18 m
Draught (dredging)	3.50 m
Deadweight	1130 t
Hopper volume	650 m ³

TANK CAPACITIES

Ballast water	82 m ³
Fuel oil (service)	92 m ³
Potable water (service)	59 m ³
Sewage	34 m ³

PERFORMANCES

Speed (dredging draught)	10.3 kn
Dredging depth	15 m

PROPULSION SYSTEM

Main engines	2x CAT C18
Propulsion power	2x 447 kW at 1800 rpm
Propellers	2x 1300mm, FPP, azimuth in nozzle
Bow thruster	1x channel type, 1020mm, 254 kW

DREDGE SYSTEM

Trailing suction system	1x 400 mm trailing suction pipe 1x diesel driven dredge pump 1x adjustable overflow with environmental valve 1x light mixture overboard
Discharge system	2x rod actuated bottom doors 1x self-emptying system
Supporting systems	1x diesel driven jet water pump
Dredging software	1x indication package 1x extended automation 1x dredge tracking

AUXILIARY EQUIPMENT

Networks	400V/230V – 50 Hz
Generator sets	2x CAT C9, 150 ekW at 1500 rpm
Emergency generator set	1x CAT C4.4, 49 ekW at 1500 rpm

DECK LAY-OUT

Anchor mooring winch	1x hydraulic, with two warping heads
Capstans	2x electric, 2 t pull
Deck crane	1x knuckle boom, 2.6 t at 8.7m

ACCOMMODATION

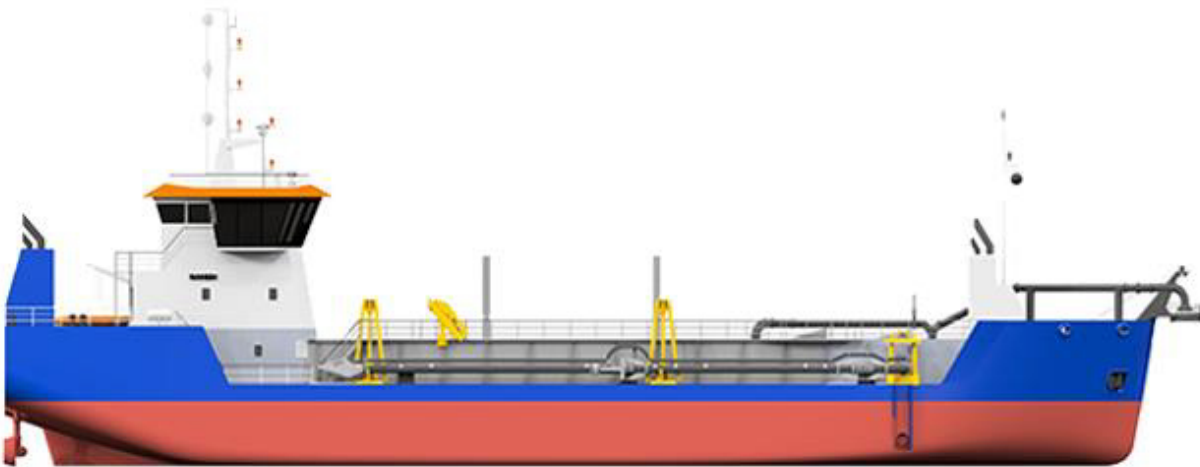
Crew	10 persons
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NAUTICAL AND COMMUNICATION EQUIPMENT

Radar system	1x X-band
GMDSS	Area A3

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