




TSHD2000

YN563253 – Beloe more

GENERAL

Yard number	563253
Delivery date	August 2018
Basic functions	Maintenance trailing suction dredging
Classification	RMRS
Flag	KM  Ice1 R1 AUT2 Hopper Dredger
Owner	Russia Rosmorport

DIMENSIONS

Length o.a.	84.80 m
Length b.p.p.	76.10 m
Beam moulded	16.20 m
Depth moulded	5.60 m
Draught (dredging R1)	4.7 m
Deadweight, approx.	3200 t
Hopper volume	2000 m ³

TANK CAPACITIES

Ballast water	185 m ³
Fuel oil (service)	540 m ³
Potable water (service)	60 m ³
Sewage	15 m ³

PERFORMANCES

Speed (dredging draught)	11.4 kn
Dredging depth	25.0 M

PROPULSION SYSTEM

Main engines	2x CAT 3512C
Propulsion power	2x 1118 kW at 1600 rpm
Propellers	2x 2350mm, FPP, St.St. in nozzle
Bow thruster	1x channel type, 1200mm, 339 kW

DREDGE SYSTEM

Trailing suction system	1x 600 mm trailing suction pipe 1x diesel driven dredge pump 1x adjustable overflow 1x light mixture overboard
Discharge system	5x rod actuated bottom doors 1x self-emptying system
Supporting systems	1x diesel driven jet water pump
Dredging software	1x indication package 1x partially extended automation 1x dredge tracking

AUXILIARY EQUIPMENT

Networks	400V/230V – 50 Hz
Generator sets	2x CAT C9, each 200 ekW at 1500 rpm
Emergency generator set	1x CAT C4.4, 85.5 ekW at 1500 rpm

DECK LAY-OUT

Anchor mooring winch	2x hydraulic, with two warping heads
Capstans	1x hydraulic, 5 t pull
Deck crane	2x knuckle boom, 7.15 t at 8.44m

ACCOMMODATION

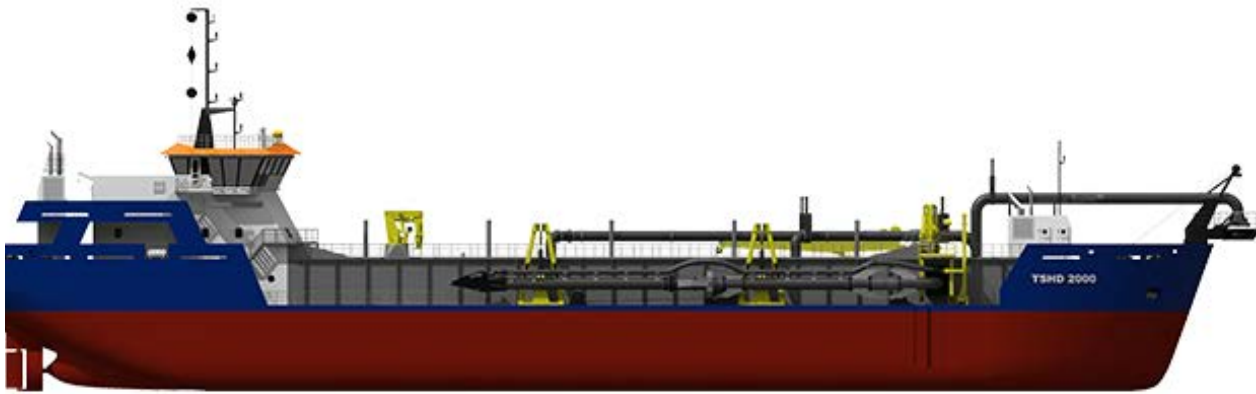
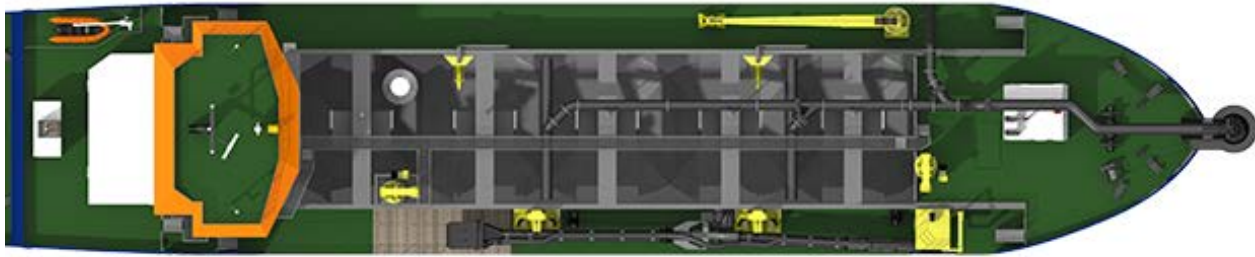
Crew	13 persons
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NAUTICAL AND COMMUNICATION EQUIPMENT

Radar system	2x X-band
GMDSS	Area A3

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DAMEN

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