



TSHD1000

YN563103 – Sommers

GENERAL

Yardnumber	563101 / 563102 / 563103
Delivery date	2016
Basic functions	Trailing suction dredging
Classification	RMRS
Flag	KM 🇰🇲 Ice1 R1 AUT2 Hopper Dredger
Owner	Russia Rosmorport

DIMENSIONS

Length o.a.	62.60 m
Length b.p.p.	58.40 m
Beam moulded	14.00 m
Depth moulded	5.00 m
Draught (dredging)	4.25 m
Deadweight	1400 t
Hopper volume	1000 m ³

TANK CAPACITIES

Ballast water	95 m ³
Fuel oil (service)	155 m ³
Potable water (service)	35 m ³
Sewage	10 m ³

PERFORMANCES

Speed (dredging draught)	10.5 kn
Dredging depth	20.0 m

PROPULSION SYSTEM

Main engines	2x CAT C32
Propulsion power	2x 746 kW at 1800 rpm
Propellers	2x 1800mm, FPP St.St, azimuth in nozzle
Bow thruster	1x channel type, 1200mm, FPP St.St. 339 kW at 1800 rpm

DREDGE SYSTEM

Trailing suction system	1x 500 mm trailing suction pipe 1x diesel driven dredge pump 1x adjustable overflow 1x light mixture overboard
Discharge system	2x rod actuated bottom doors 1x rod actuated pre-dumping door 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, each 175 ekW at 1500 rpm
Emergency generator set	1x CAT C4.4, 82 ekW at 1500 rpm

DECK LAY-OUT

Anchor mooring winch	2x hydraulic, with two warping heads
Capstans	2x hydraulic, 3 t pull
Deck crane	1x knuckle boom, 4.6 t at 8.8m
Grab crane	1x diesel-hydraulic, 12 t at 15 m, bucket 4.0 m ³
Spud installation	2x spud for 15 m water depth

ACCOMMODATION

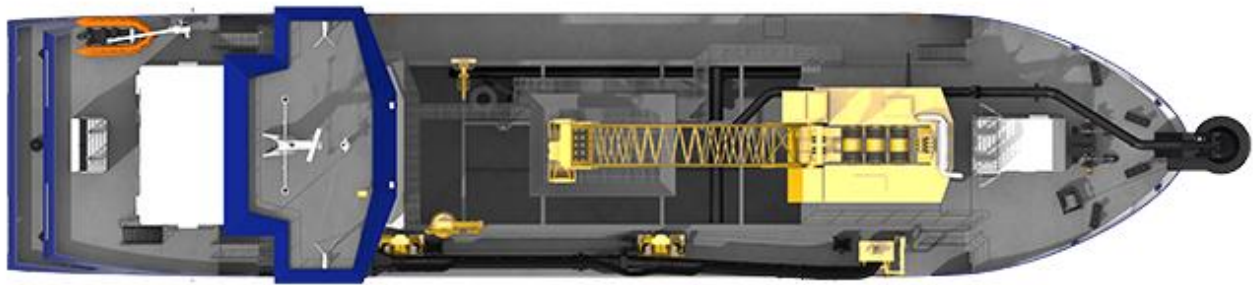
Crew	12 persons + 1 pilot
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NAUTICAL AND COMMUNICATION EQUIPMENT

Radar system	2x X-band
GMDSS	Area A3

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