



# TSHD2000

YN563252 – Severnaya dvina

## GENERAL

Yard number	563252
Delivery date	April 2014
Basic functions	Maintenance trailing suction dredging
Classification	RMRS
Flag	KM 🇰🇲 Ice1 R1 AUT2 Hopper Dredger
Owner	Russia Rosmorport

## DIMENSIONS

Length o.a.	80.35 m
Length b.p.p.	76.10 m
Beam moulded	16.20 m
Depth moulded	5.60 m
Draught (dredging R1)	4.65 m
Deadweight, approx.	3214 t
Hopper volume	2000 m <sup>3</sup>

## TANK CAPACITIES

Ballast water	185 m <sup>3</sup>
Fuel oil (service)	540 m <sup>3</sup>
Potable water (service)	60 m <sup>3</sup>
Sewage	15 m <sup>3</sup>

## PERFORMANCES

Speed (dredging draught)	10.2 kn
Dredging depth	25.0 m

## PROPULSION SYSTEM

Main engines	2x CAT 3512C
Propulsion power	2x 1044 kW at 1600 rpm
Propellers	2x 2350mm, FPP, St.St. in nozzle
Bow thruster	1x channel type, 1200mm, 339 kW at 1800 rpm

## 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 1x indication package 1x partially extended automation 1x dredge tracking
Dredging software	

## AUXILIARY EQUIPMENT

Networks	400V/230V – 50 Hz
Generator sets	2x CAT C9, each 238 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

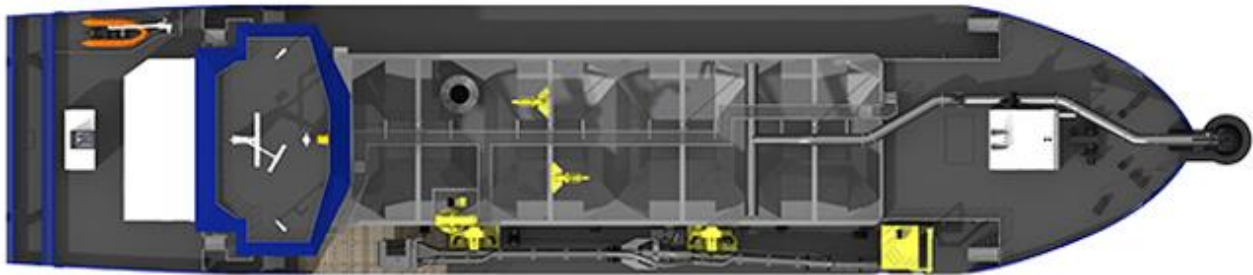
Crew	13 persons
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## NAUTICAL AND COMMUNICATION EQUIPMENT

Radar system	2x X-band
GMDSS	Area A3

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# DAMEN

DAMEN SHIPYARDS GROUP

Avelingen-West 20  
4202 MS Gorinchem  
The Netherlands

P.O. Box 1  
4200 AA Gorinchem  
The Netherlands

phone +31 (0)183 63 99 22  
fax +31 (0)183 63 21 89

info@damen.com  
[www.damen.com](http://www.damen.com)

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