



TSHD2000

Damen Hopper Series

GENERAL

Basic functions
Classification

Maintenance trailing suction dredging
Bureau Veritas
I, ✱Hull, ✱Mach, Hopper Dredger,
unrestricted navigation – dredging within
8 miles from shore, AUT-UMS

DIMENSIONS

Length o.a. 72.30 m
Length b.p.p. 68.10 m
Beam moulded 16.20 m
Depth moulded 5.60 m
Draught (summer) 4.60 m
Draught (dredging) 5.10 m
Deadweight, approx. 3030 t
Hopper volume 2000 m³

TANK CAPACITIES

Ballast water 215 m³
Fuel oil (service) 325 m³
Potable water (service) 45 m³
Sewage 15 m³

PERFORMANCES

Speed (dredging draught) 11.1 kn
Dredging depth 22 m
Rainbow distance, approx. 25 m (option)
Discharge length, approx. 700 m (option)

PROPULSION SYSTEM

Propulsion power 2x 1050 kW at 1600 rpm
Propellers 2x 2350mm, FPP, in nozzle
Bow thruster Jet water feed bow thruster

DREDGE SYSTEM

Trailing suction system 1x 700 mm trailing suction pipe
1x diesel driven dredge pump
1x adjustable overflow
Discharge system 4x rod actuated bottom doors
Supporting systems 1x diesel driven jet water pump

AUXILIARY EQUIPMENT

Networks 400V/230V – 50 Hz
Generator sets 2x 200 ekW at 1500 rpm
Emergency generator set 1x 50 ekW at 1500 rpm

DECK LAY-OUT

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

ACCOMMODATION

Crew 12 persons

NAUTICAL AND COMMUNICATION EQUIPMENT

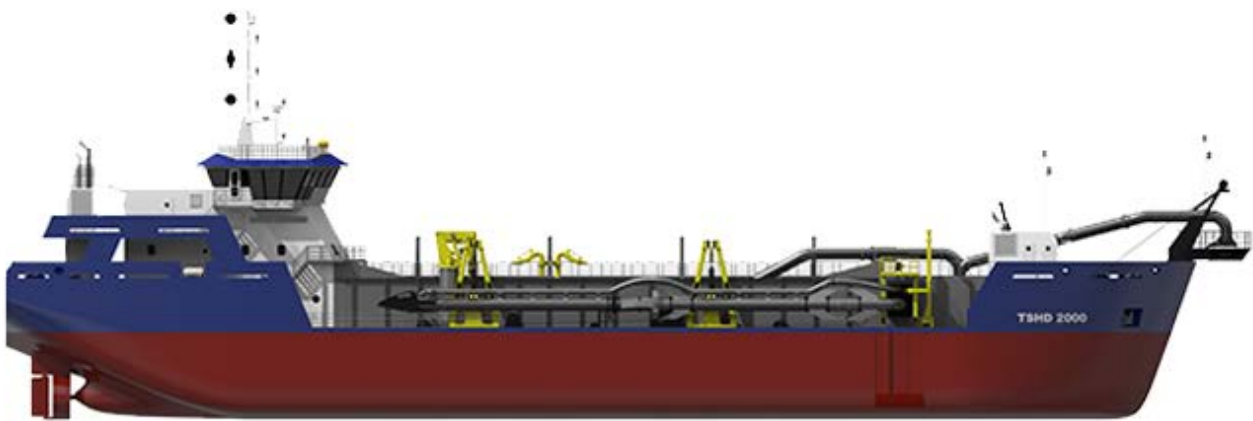
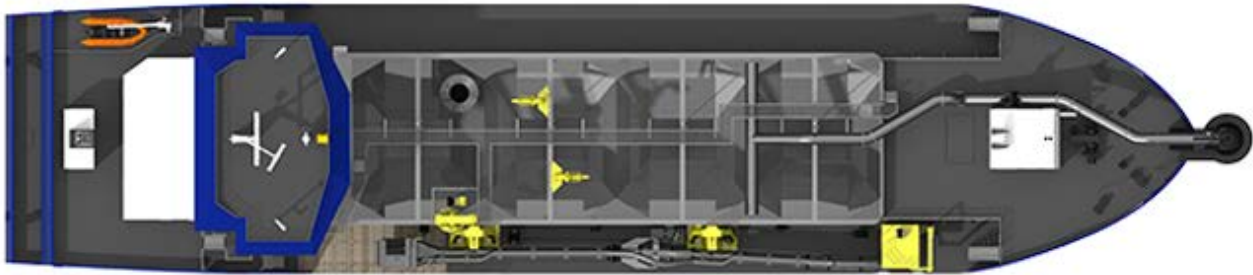
Radar system 1x X-band
GMDSS Area A3

OPTIONS

Trailing suction system 1x light mixture overboard
Discharge system 1x self-emptying system
Supporting system 1x degassing system
Damen Dredge 1x extended automation
Monitoring System 1x DDM5.0 basic
(DDM) 1x DDM5.0 enhanced
1x NAVGUARD module
Bow thruster 1x diesel driven, FPP, approx. 450 kW at 1800 rpm

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DAMEN

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