

DAMEN TSHD 650

GENERAL

Basic functions
Classification

Maintenance trailing suction dredging
Bureau Veritas
I, ✱Hull, ✱MACH, Hopper Dredger,
unrestricted navigation, AUT-UMS

DIMENSIONS

Length o.a. (excl. bow coupling)	56.85 m
Length b.p.p.	55.60 m
Beam mld.	12.00 m
Depth mld.	4.00 m
Draught summer	3.18 m
Deadweight	1020 t
Hopper volume	650 m ³

TANK CAPACITIES

Ballast water	65 m ³
Fuel oil	75 m ³
Potable water	45 m ³
Sewage	30 m ³

PERFORMANCES (APPROX.)

Speed (at summer draught)	10.0 kn
Trailing dredging depth	15 m
Grab dredging depth (option)	15 m
Rainbow distance (option)	40 m
Discharge length (option)	850 m

PROPULSION SYSTEM

Main engines	2x CAT C18
Propulsion power	2x 447 kW at 1800 rpm
Propellers	2x 1300 mm, FPP, azimuth in nozzle
Bow thruster	1x 224 kW, jet water feed

DREDGE SYSTEM

Trailing suction system	1x 400 mm trailing suction pipe
	1x diesel driven dredge pump
	1x fixed overflow
Discharge system	2x rod actuated bottom doors
Supporting systems	1x diesel driven jet water pump

AUXILIARY EQUIPMENT

Networks	400 V/230 V - 50 Hz
Generator sets	2x CAT C9, 150 ekW at 1500 rpm
Emergency generator set	1x CAT C4.4, 69 ekW at 1500 rpm

DECK LAY-OUT

Anchor mooring winch	1x hydraulic, with two warping heads
Capstans	2x hydraulic, 2 t pull
Deck crane	1x knuckle boom 2.7 t at 8.6 m (harbor)

ACCOMMODATION

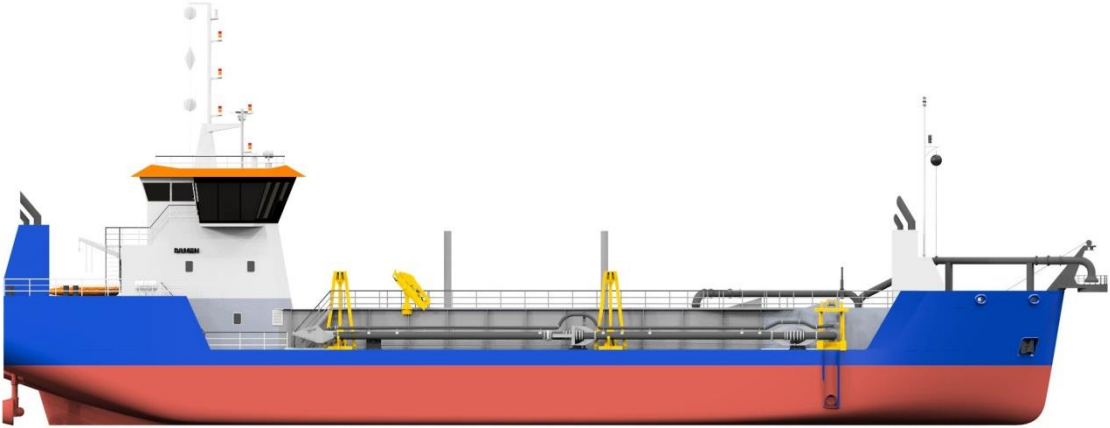
Crew	8 persons
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NAUTICAL AND COMMUNICATION EQUIPMENT

Radar system	1x X-band
GMDSS	Area A3

OTHER OPTIONS

Dedicated bow thruster	1x diesel driven, 245 kW, FPP
Trailing suction system	1x light mixture overboard
	1x telescopic overflow
Discharge system	1x self-emptying system
Supporting system	1x degassing system
Grab crane	1x diesel-hydraulic, 8 t at 10 m
Bucket	1x 2.5 m ³
Dredging software	1x indication package
	1x extended automation
	1x dredge tracking



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DAMEN

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