



# TSHD1000

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. 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, approx. 1685 t  
Hopper volume 1000 m<sup>3</sup>

## TANK CAPACITIES

Ballast water 75 m<sup>3</sup>  
Fuel oil (service) 115 m<sup>3</sup>  
Potable water (service) 35 m<sup>3</sup>  
Sewage 10 m<sup>3</sup>

## PERFORMANCES

Speed (dredging draught) 10.7 kn  
Dredging depth 20 m  
Rainbow distance, approx. 23 m (option)  
Discharge length, approx. 500 m (option)  
Grab dredging distance 20 m (option)

## PROPULSION SYSTEM

Propulsion power 2x 750 kW at 1800 rpm  
Propellers 2x 1300mm, FPP, in nozzle  
Bow thruster Jet water feed bow thruster

## DREDGE SYSTEM

Trailing suction system 1x 500 mm trailing suction pipe  
1x diesel driven dredge pump  
1x adjustable overflow  
Discharge system 2x 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, 3t pull  
Deck crane 1x knuckle boom, 4.6t@8.8m

## 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  
Grab crane 1x diesel-hydraulic 20t at 12.5 m  
Bucket 1x 6.5 m<sup>3</sup>  
Bow thruster 1x diesel driven, FPP, approx. 340 kW at 1800 rpm

# TSHD1000

Damen Hopper Series



# 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)

© No part of the leaflet may be reproduced in any form, by print, photo print, microfilm, or any other means, without written permission from Damen Shipyards Group