



# UTILITY VESSEL 4312

## “VOLT PROCESSOR”

### PICTURE OF SIMILAR VESSEL

#### GENERAL

Yardnumber	573104
Basic functions	Aquaculture support operations (IRM and delousing), buoy laying, offshore oil/gas/wind light IRM operations, dive and ROV support
Classification	Lloyd's Register ✕100 A1 [✕] LMC, UMS, DP (AM)
Flag	Norwegian
Owner	Volt Service A.S.

#### DIMENSIONS

Length overall	43.3 m
Beam moulded	12.0 m
Depth moulded	3.50 m
Draught	2.70 m
Deadweight	460 t
Cargo deck area	350 m <sup>2</sup>
Deck load	5.0 t/m <sup>2</sup>

#### TANK CAPACITIES

Ballast water	220.0 m <sup>3</sup>
Fuel oil (service)	140.0 m <sup>3</sup>
Potable water (service)	45.0 m <sup>3</sup>
Sewage	5.0 m <sup>3</sup>
Bilge water	3.0 m <sup>3</sup>

#### PERFORMANCES

Bollard pull max	11.9 t
Speed (@ 2.0 m draught)	9.2 kn

#### PROPULSION SYSTEM

Propulsion motor	2x permanent magnet
Total Power	750 kW @ 1000 rpm
Azimuth thrusters	2x 1250 mm FPP in nozzle
Bow thruster	1x 250 kW, electric
Bow thruster propeller	900 mm, fixed pitch, 5 blades

#### ELECTRICAL EQUIPMENT

Networks	440 V @ 60 Hz, 230 V @ 50 Hz
Generator sets	3x Volvo D16 477 kW 60 Hz
Harbor generator set	1x Volvo D7 139 kW 60 Hz

#### DECK LAY-OUT

Anchors	2x High Holding Power
Anchor mooring winch	2x chain lifters with vertical warping head, electric
Capstans	5x 5 t capstans with foot control, electric
Deck crane SB aft	1x knuckle boom 4.55 t @ 22 m with 5 t winch
Deck crane SB forward	1x knuckle boom 1.85 t @ 20 m with 3.5 t winch
Deck crane PS aft	1x knuckle boom 1.85 t @ 20 m with 3.5 t winch
Deck crane PS forward	1x foldable knuckle boom 0.93 t @ 15.01 m
Tugger winches	2x 5t @ 32 m/min on 1 <sup>st</sup> layer, hydraulic
Man overboard boat	1x 6p with slewing davit

#### SECONDARY SHIP SYSTEMS

Cooling system	Fresh water via box coolers
Hydraulic system	Each deck crane has dedicated HPU

#### ACCOMMODATION

A ventilated and heated accommodation up to 10 persons is fitted. The accommodation includes 6 cabins, a wheelhouse, galley and mess room. The large wheelhouse offers a seating area, open project office, chart table and navigation console.

#### NAUTICAL AND COMMUNICATION EQUIPMENT

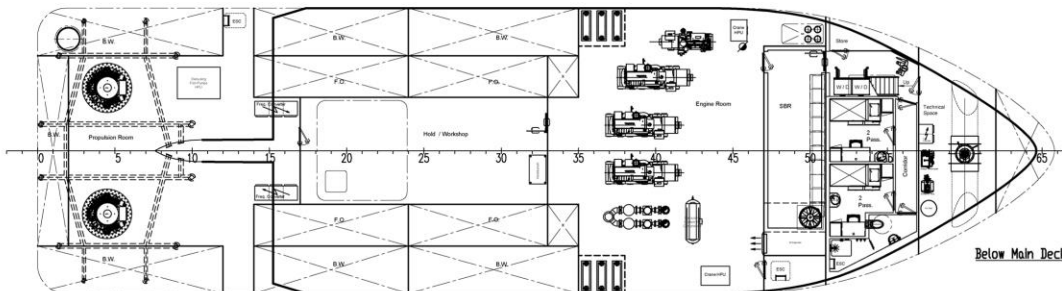
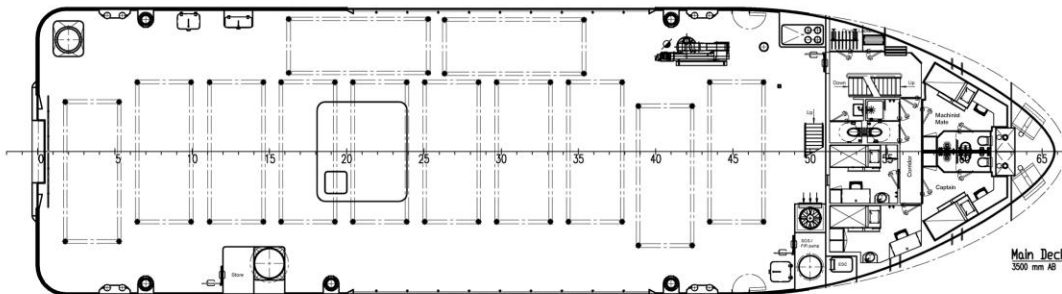
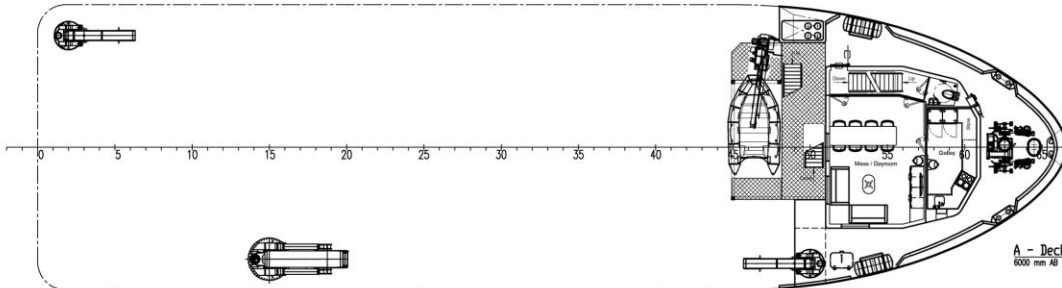
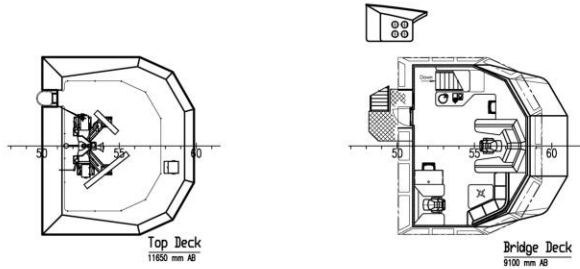
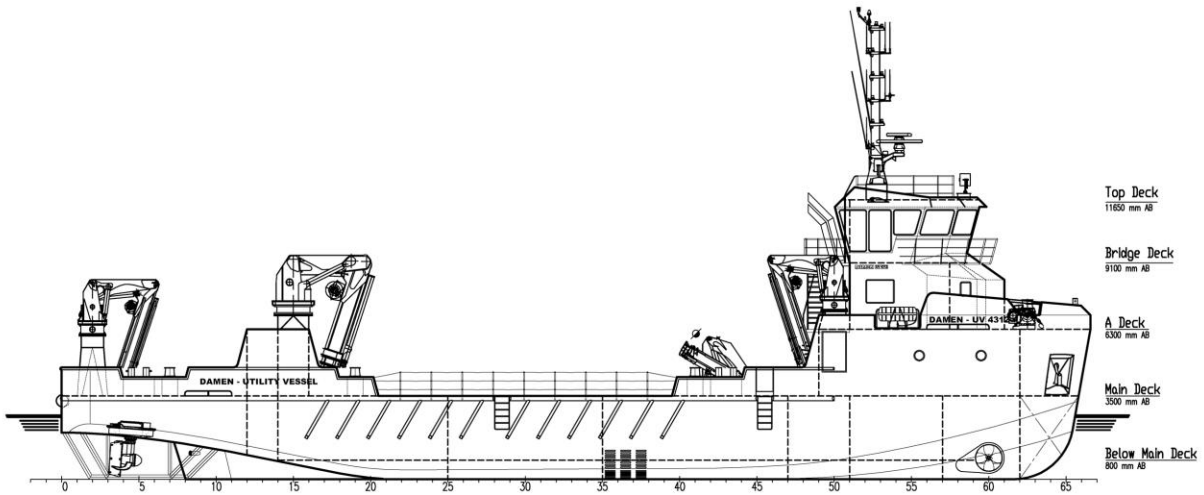
External communication	VHF, SSB, Navtex, AIS, Inmarsat C
Internal communication	Intercom
Dynamic positioning	Kongsberg IMO class 1
Nautical system	X-band radar, ECDIS, DGPS, echo sounder, speed log

#### SPECIAL EQUIPMENT

Sea water pumps	2x 250 m <sup>3</sup> /h @ 1 bar with connection on main deck
Air compressor	1x 60 m <sup>3</sup> /h @ 7 bar with dryer
High Pressure Cleaner	1x Karcher HDS9/14-4ST

# UTILITY VESSEL 4312

“VOLT PROCESSOR”



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