



## DAMEN OIL SPILL RESPONSE VESSEL 5312

### GENERAL FUNCTIONS

Oil spill response vessel  
 Det Norske Veritas or equivalent  
 ✱1A1 E0 OILREC ICE-1C DPS-0  
 Firefighting capability Clean BWM-E  
 VCS-2

### DIMENSIONS

LENGTH O.A.	53.00 m
BEAM MLD.	11.80 m
DEPTH AT SIDES	4.50 m
DRAUGHT DESIGN	2.90 m
DEADWEIGHT	260 ton
WORK DECK AREA	215 m <sup>2</sup>

### TANK CAPACITIES

FUEL OIL	55.0 m <sup>3</sup>
FRESH WATER	16.0 m <sup>3</sup>
BALLAST WATER	TBD
LUBRICATION OIL	3.7 m <sup>3</sup>
DIRTY OIL	3.7 m <sup>3</sup>
SEWAGE	8.0 m <sup>3</sup>
BILGEWATER	13.0 m <sup>3</sup>
HYDRAULIC OIL	6.0 m <sup>3</sup>
RECOVERED OIL	250.0 m <sup>3</sup>

### PERFORMANCES (APPROX.)

SPEED (AT DESIGN DRAUGHT)	16.0 kn
ENDURANCE (AT 80% MCR)	10 days

### PROPULSION SYSTEM

MAIN ENGINES	3x Caterpillar C32 Acert / C
TOTAL PROPULSION POWER	3243 bkW (4350 bhp) at 2300 rpm
PROPELLER	3x 2200 mm, CPP
BOW THRUSTER	1x Hydraulic, 350 kW, FP

### AUXILIARY EQUIPMENT

NETWORKS	230/400 V, 50 Hz
GENERATOR SETS	2x Caterpillar C9 TA, 376 kVA
EMERGENCY/HARBOUR GENERATOR	1x Caterpillar C4.4 TA, 100 kVA
COOLING SYSTEM	Fresh water through box cooling

### DECK LAY-OUT

ANCHORS  
 ANCHOR WINCH  
 DECK CRANE  
  
 DIVING PLATFORM  
 FIRE FIGHTING EQUIPMENT

2x High Holding Power  
 1x Hydraulic with 2 warping heads  
 1x Hydraulic, explosion proof, 120 tm,  
 1x hydraulic, 25 tm  
 With foldable diving ladder  
 600 m<sup>3</sup>/h monitor

### OIL SPILL RESPONSE EQUIPMENT

OIL SPILL RADAR

Detecting oil spill patches at 1-4 nautical miles.  
 In-built, both sides  
 Integrated in oil spill radar  
 For cleaning purposes  
 Thermal oil heating  
 115 m<sup>3</sup> pending on viscosity  
 0.5 m<sup>3</sup>

SWEEPING ARMS  
 INFRARED CAMERA  
 STEAM GENERATOR  
 TANK HEATING  
 OFFLOADING PUMP  
 GRAB BUCKET

### ACCOMMODATION

A spacious heated and air-conditioned accommodation with 12 single cabins is fitted. Each cabin has ensuite sanitary facilities. The accommodation further includes a large wheelhouse, mess/ dayroom, galley, hospital, changing room, Oil response team office, recreation room, sauna, gym and various stores.

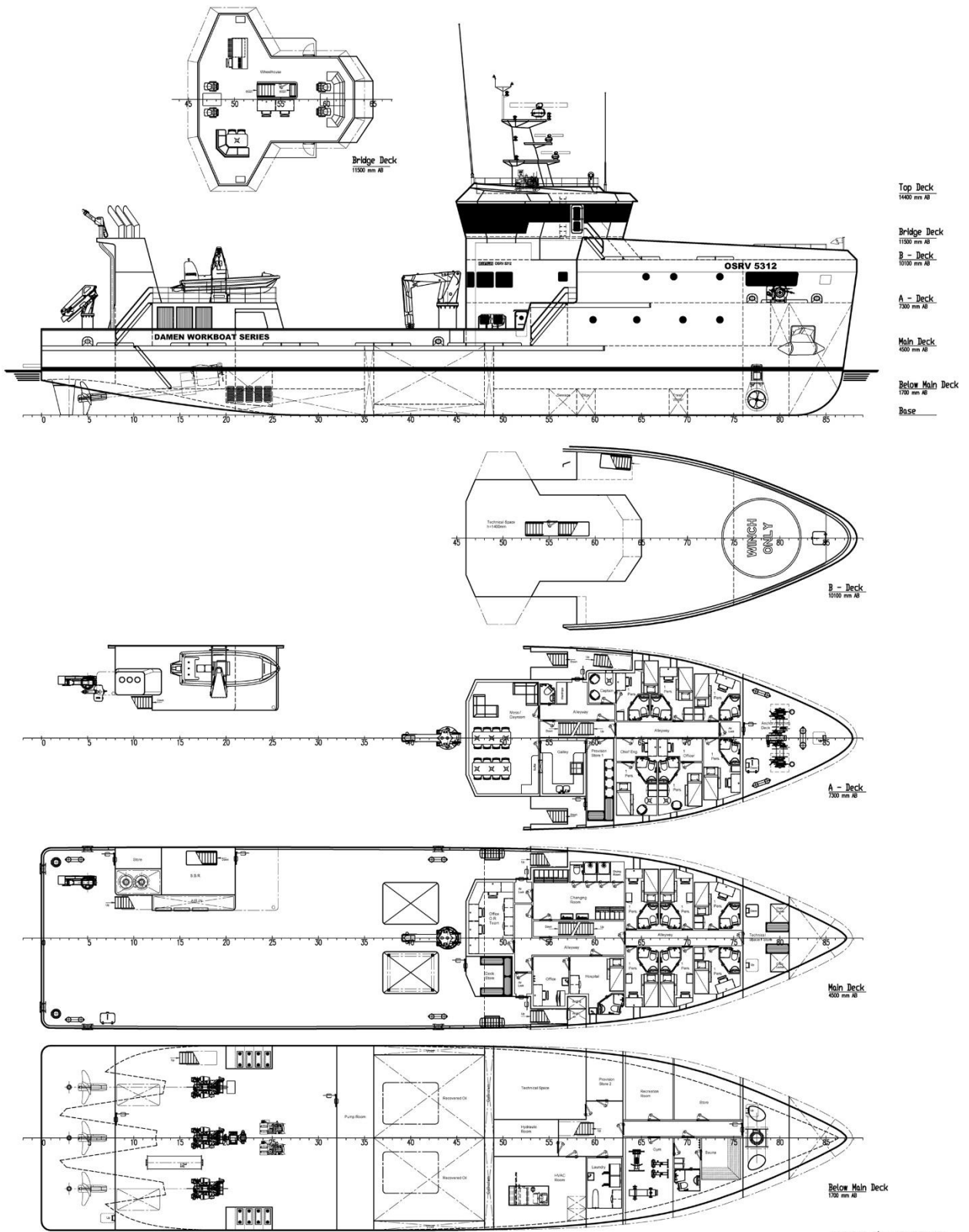
### NAUTICAL AND COMMUNICATION EQUIPMENT

EXTERNAL COMMUNICATION  
 INTERNAL COMMUNICATION  
 NAUTICAL SYSTEMS

GMDSS A3, AIS  
 Intercom, PA, internal telephone  
 X-band radar, S-band radar, conning, autopilot, ECDIS, DGPS, gyro, echosounder  
 DP-0

DYNAMIC POSITIONING

All data presented is preliminary and is subject to change without prior notice. Artist impression and general arrangement plan may show optional equipment. Options may impact performances.



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**DAMEN**

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