



DAMEN OSRV 1050

GENERAL

Basic functions
Classification

Oil spill response
Lloyd's Register
✘ 100A1 Offshore Supply Ship, Fire-Fighting Ship 1 (2400 m³/h) with water spray, Oil Recovery, LFPPL, ✘ LMC, UMS, DP(AM)

Anchor mooring winch

1x Hydraulic, with 2 warping heads and rope storage drums
2x Electric, each 5 t pull
1x Knuckle boom, 3.5 t @ 8 m (harbor)
2x Hydraulic, each 5 t pull
1x SWL 10 t, ø 0.6 m length 8 m, lateral rollers ø 0.3 m height 1 m
1x 6 persons, speed 6 kn

DIMENSIONS

Length o.a.	67.10	m
Beam mld.	14.00	m
Depth mld.	6.00	m
Draught summer (base)	5.00	m
Deadweight (summer)	1600	t
Free deck space	230	m ²

OIL SPILL RESPONSE EQUIPMENT

Inflatable containment booms	2x	Self-inflating oil containment boom, stored on hydraulic winches; 1x 400 m, 1x 300 m
Skimmer system	1x	Skimmer head for low-viscous oil
	1x	Skimmer head for high-viscous oil
Skimmer capacity		250 / 350 m ³ /hr
Transfer system	2x	200 m ³ /hr
Dispersant system	2x	Spray booms Spray capacity 30 m ³ /hr at 7 bar
Detection system	1x	Oil detection radar
Service craft	1x	13 persons, speed 12 kn, 4 t bollard pull, 2x 200 kW inboard, water jets

TANK CAPACITIES

Ballast water	580	m ³
Fuel oil (service)	300	m ³
Potable water (service)	100	m ³
Sewage	25	m ³
Roll reduction	68	m ³
Recovered oil	1050	m ³
Fuel oil cargo	300	m ³
Dispersant tank	10	m ³
Slop tank	20	m ³

CARGO HANDLING SYSTEM

Fuel oil pumps	2x	70 m ³ /hr
Fresh water pumps	2x	70 m ³ /hr
Tank cleaning system	20	m ³ /hr at 60°C

PERFORMANCES (APPROX.)

Speed (at 3.5m draught)	13	kn
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ACCOMMODATION

Crew Upto 24 persons in single and double bed cabins

PROPULSION SYSTEM

Main engines	Diesel-Electric, 690 V, 60 Hz
Propulsion power	2x Electric motors of 1500 kW each
Azimuthing thrusters	2x 2300 mm FP propellers in nozzles
Bow thrusters	2x 600 kW, 1750 mm, FPP

NAUTICAL AND COMMUNICATION EQUIPMENT

Nautical	Radar X-band + S-band, ECDIS, Conning
DP – system	DP 1 (Optional DP-2)
GMDSS	Area A3

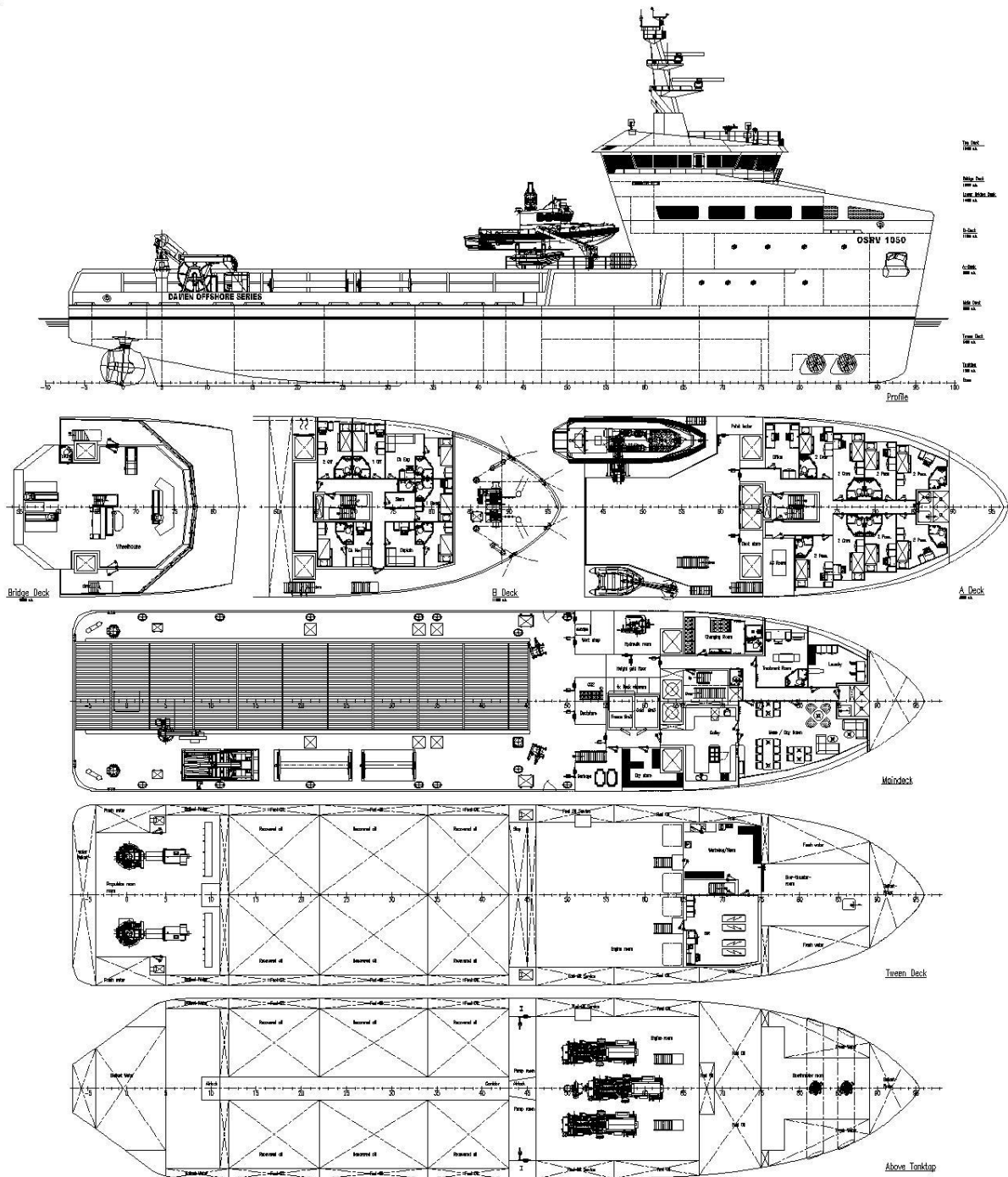
AUXILIARY EQUIPMENT

Networks	690 V, 440 V and 230 V – 60 Hz
Main generator sets	3x 1540 ekW at 1800 rpm
Emerg. generator set	1x 72 ekW at 1800 rpm
Shore supply	1x 200 A

External fire-fighting

Monitors	4x 1200 m ³ /hr
Pumps	1x approx. 3500 m ³ /hr

DECK LAY-OUT



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DAMEN

DAMEN SHIPYARDS GORINCHEM

Member of the DAMEN SHIPYARDS GROUP



Industrieterrein Avelingen West 20
4202 MS Gorinchem

P.O. Box 1
4200 AA Gorinchem
The Netherlands

phone +31 (0)183 63 99 11
fax +31 (0)183 63 21 89

info@damen.nl
www.damen.nl

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