



## DAMEN PLATFORM SUPPLY VESSEL 5000 CD

### GENERAL

#### BASIC FUNCTIONS CLASSIFICATION

Offshore supply  
 ⚓1A1, SF, EO, Offshore Service Vessel,  
 Supply – DYNPOS AUTR, DK(+), HL(2.8),  
 COMF V(3), C(3), CLEAN DESIGN,  
 NAUT-OSV(A), OILREC, RECYCLABLE

### DIMENSIONS

LENGTH O.A.	90.00 m
BEAM MLD.	19.00 m
DEPTH MLD.	8.00 m
DRAUGHT SUMMER	6.30 m
DEADWEIGHT (SUMMER)	5000 t
DECK AREA	1020 m <sup>2</sup>
DECK LOAD (VCG AT 1 M ABOVE DECK)	2800 t

### TANK CAPACITIES

BALLAST / DRILL WATER	2000 m <sup>3</sup>
FUEL OIL (SERVICE)	600 m <sup>3</sup>
POTABLE WATER	1060 m <sup>3</sup>
LIQUID MUD	1250 m <sup>3</sup>
RECOVERED OIL (OPTION)	1500 m <sup>3</sup>
FUEL OIL CARGO	1200 m <sup>3</sup>
DRY BULK	380 m <sup>3</sup>

### PERFORMANCES (APPROX.)

SPEED (AT 5.00 M DRAUGHT)	14 kn
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### PROPULSION SYSTEM

MAIN ENGINES	Diesel-electric, 690 V, 60 Hz
PROPULSION POWER	2x Electric motors of 2200 kW each
AZIMUTING THRUSTERS	2x Twin-propeller thrusters; each 2 x FP propeller, 2650mm diameter
BOW THRUSTERS	2x 880 kW, 1800 mm, FP

### AUXILIARY EQUIPMENT

NETWORKS	690 V, 440 V and 230 V – 60 Hz
MAIN GENERATOR SETS	4x 1800 ekW at 900 rpm
EMERG./HARBOUR GEN. SET	1x 238 ekW at 1800 rpm
SHORE SUPPLY	1x 400A
HEATING SYSTEM	Waste heat recovery system

### DECK LAY-OUT

ANCHOR MOORING WINCH	1x Electric-hydraulic, with rope drum and two warping heads
CAPSTANS	2x Electric, each 5 t pull
DECK CRANE	1x Knuckle boom 2.3 t at 11 m (harbour)
TUGGER WINCH	2x Electric-hydraulic, 10 t pull

### CARGO HANDLING SYSTEM

BALLAST / DRILL WATER PUMP	2x 200 m <sup>3</sup> /hr
LIQUID MUD PUMP	2x 100 m <sup>3</sup> /hr
FUEL OIL PUMP	2x 200 m <sup>3</sup> /hr
FRESH WATER PUMP	2x 200 m <sup>3</sup> /hr
DRY BULK SYSTEM	2x 75 ton/hr
LIQUID MUD SYSTEMS	Agitators, circulation system, hot-water tank cleaning system

### ACCOMMODATION

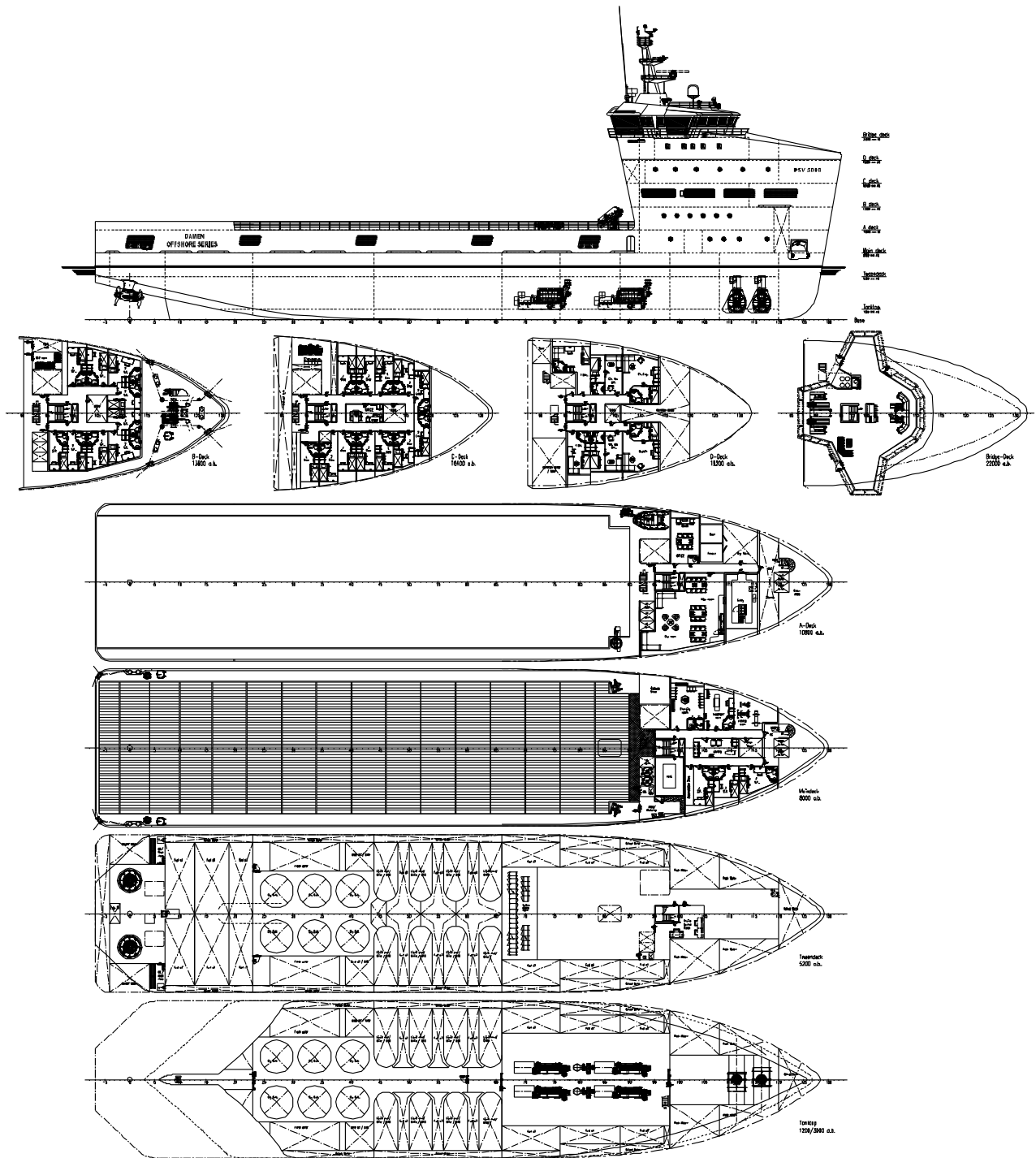
CREW	16 persons
SPECIAL PERSONNEL	28 persons
Cabins provided with Internet, telephone and satellite tv	

### NAUTICAL AND COMMUNICATION EQUIPMENT

NAUTICAL	Radar X-band + S-band, ECDIS, Conning
DP- SYSTEM	DP-2
GMDSS	Area A3

### OPTIONS

3rd tunnel thruster or retractable thruster  
 Capacity for Low-flash point liquids  
 Fire-fighting Ship 1  
 Exhaust gas cleaning system (SCR)  
 Damen E3 trademark



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# DAMEN

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