

Platform Supply Vessel 5000 IRM

PAUL A. SACUTA



GENERAL

Yardnumber	552041
Delivery date	January 2017
Basic functions	Offshore Supply, Inspection Repair & Maintenance, Emergency Towing
Classification	Det Norske Veritas *1A1 Offshore Service Vessel Towing Supply HL(2.8) DK(+) ICE-1C BIS CLEAN DESIGN NAU OSV(A) BWM-T E0 DYNPOS-AUTR Fire Fighter I OILREC SPS COMF-V(3)

DIMENSIONS

Length overall	91.20 m	300 ft
Length load line	84.95 m	279 ft
Beam moulded	22.00 m	72 ft
Depth moulded	8.50 m	28 ft
Draught summer	6.50 m	21 ft
Deadweight	4500 t	5000 ts
Cargo deck area	940 m ²	10000 sq ft
Deck load (at 1 m above deck)	2800 t	3000 ts

TANK CAPACITIES (APPROX.)

Ballast / drill water*	2600 m ³	687,000USG
Potable water	860 m ³	227,000USG
Fuel oil (service)	400 m ³	105,000USG
Fuel oil cargo*	1000 m ³	264,000USG
Liquid mud/Brine*	1170 m ³	7350 Bbl
Base oil*	300 m ³	79,000 USG
Recovered oil*	390 m ³	103,000USG
Dry Bulk	500 m ³	18,000 cu ft

* Multipurpose tanks

PERFORMANCES (APPROX.)

Speed (at 5.00 m)	15.5 kn
Bollard pull	120 t

PROPULSION SYSTEM

Type	Diesel-electric
Propulsion power	2x electric motors 3300 kW each, frequency driven
Propellers	2x azimuth thrusters; FP, 3500 mm diameter
Bow thrusters	2x 700 kW, 2000 mm, FP, tunnel; 1x 880 kW, 1800 mm, FP, retractable frequency driven

ELECTRICAL EQUIPMENT

Network	690 V, 440 V, 230 V - 60 Hz
Main generator sets	2x 2460 ekW at 900 rpm; 2x 1840 ekW at 900 rpm
Emergency generator set	1x 500 ekW at 1800 rpm
Shore supply	1x 400 A

DECK LAY-OUT

Emergency towing winch	1x 100 t pull, 350 t brake, electric
Capstans	2x 10 t pull, electric
AHC crane	100 t at 12m in air; 65 t at 10 m subsea 250 m water depth; anti-heeling system
Deck cranes	2x 10 t at 10 m
Tugger winches	4x 15t AHC, electric
Cargo securing winches	4x 3 t, electric
Chain fork / pins	1x SWL 200/100 ton
Stern roller	1x SWL 120 ton, 4 m length, 1.5 m diameter
Fast Rescue Craft	2x 20 persons, 25 kn
ROV hangar	2x (PS & SB)

CARGO HANDLING SYSTEM

Ballast / drill water pumps	2x 250 m ³ /hr	2x 66,000 USG/hr
Liquid mud / brine pumps	2x 100 m ³ /hr	2x 26,000 USG/hr
Fuel oil/base oil pumps	2x 150 m ³ /hr	2x 39,000 USG/hr
Potable water pumps	2x 250 m ³ /hr	2x 66,000 USG/hr
Dry bulk intake	2x 75 ton/hr	
Dry bulk system	4x Non pressurized tanks integrated in hull structure	
Liquid mud system	6x Rounded tanks; agitators, circulation system, hot-water tank cleaning system	

ACCOMMODATION

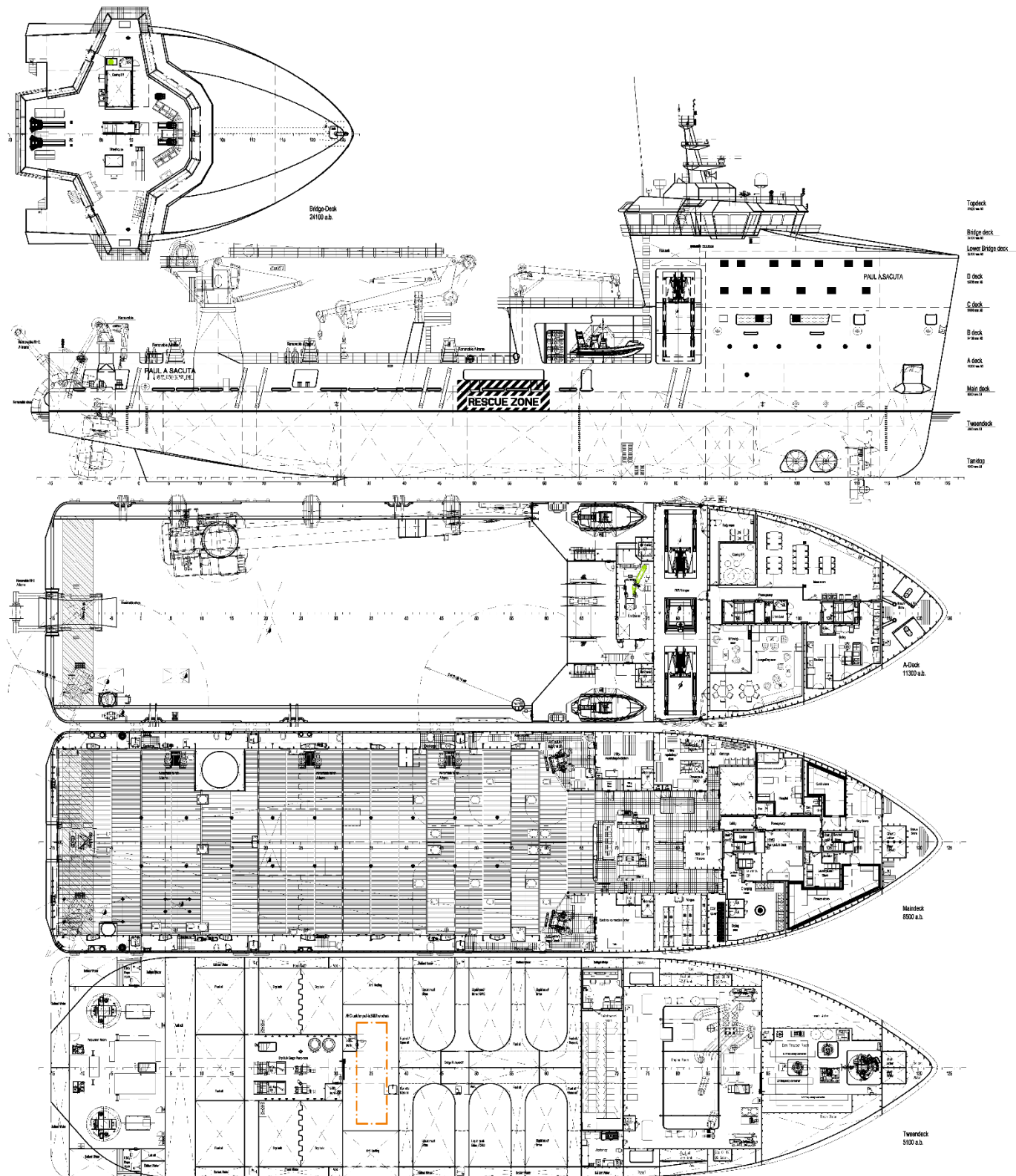
Crew	16 persons
Special personnel	35 persons
	Cabins provided with Internet, telephone and satellite TV connections.

NAUTICAL AND COMMUNICATION EQUIPMENT

Nautical systems	1x X-band + S-band, ECDIS
DP-system	DP-2
GMDSS	Area A3

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