

# Technical Specification - Sea Tantalus

## PSV 05L CD



**DEEP SEA SUPPLY**



MAIN DESCRIPTION	MEASUREMENT
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Type :	PSV 05L CD	Lenght oa :	82.2 m
Classification :	DnV+1A1, SF, E0, DYNPOS-AUTR (IMO II), DK(+), HL(2.8) CLEAN DESIGN, NAUT-OSV(A), COMF-V(3), LFL, FiFi-1, OILREC	Lenght bpp :	74.1 m
		Breath moulded :	17.0 m
		Depth moulded :	7.6 m
		Draught max:	6.3 m
Delivered	2013	Corresponding DWT :	4 000 T
		Max. scantling draft midship	6.3 m

CARGO CAPACITY	CARGO DISCHARGE PUMPS
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Deck cargo:	2 100 T	Fuel Oil	2 x 150 m3/hr
Deck area:	810 m2 (Abt 58,60 x 14)	Mud / ORO	2 x 75 m3/hr
Fuel (gasoil) :	979 m3	Fresh water	2 x 150 m3/hr
Mud / Brine:	977 m3	Brine	1 x 75 m3/hr
Potable/Fresh water	1072 m3	Water ballast / Drill	2 x 150 m/hr
Base oil	255 m3	Methanol	2 x 50 m3/hr
Methanol	104 m3	Base Oil	1 x 50 m3/hr
Dry bulk	342 m3	Deck strength aft of fr. #26	10 t/m2
ORO	abt 1 000 m3	Deck strength fwd of fr. #26	5 t/m2
Water ballast	abt 1 810 m3	Deck crane:	1 x 5.0 T - 10 m / 1 x 2.0 T - 10 m

MACHINERY / PROPULSION
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Main Propellers :	2 x Azimuth thrusters.	Service Tanks :	2 x G. O. service tanks
Power :	1 600 kW ea	Settling Tank :	1 x G. O. settling tank
Main Generator :	4 x 1 200 eKW, 690 V, 60 Hz, 1 800 Rpm	Transfer Pump :	2 x G. O. transfer pump
Emergency Generator :	1 x 99 eKW, 690 V, 60 Hz, 1 800 Rpm		1 x L. O. transfer pump
Side Thrusters :	2 x El.driven side thruster forward: approx 850 kW, starter star/delta.	Separator :	One off G. O. separator, automatic, self-cleaning type.
		Joystick :	Control of azimuth propellers and side thrusters

PERFORMANCE	ACCOMODATION
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Vessels trial speed at d = 3.7 meter to be approx. 14 knots in calm weather and with clean hull.	Single Cabins:	6 persons
	Double Cabins:	22 persons
	Total:	28 persons

BULKHANDLING SYSTEM	TANK WASHING SYSTEM
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Total capacity :	Approx. 300 m3 in 6 tanks	Regular tank cleaning system for mud/brine tanks to be installed.
Compressor capacity :	Approx. 2 x 25 m3/min	
Working pressure :	5.6 bar	

DECK / AHL EQUIPMENT	Safety Equipment
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Tugger Winch :	2 x 10 T ea	MOB Boat :	1 x MOB boat, Noreq, GJ5.0, 6 persons
Capstans :	2 x 8 T ea	Davit	1 x el. Hydraulic davit. SOLAS approved.
Combined Windlass /			
Mooring Winches :	2 off		

ROLL REDUCTION SYSTEM	DYNPOS II SYSTEM
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1 x Passive roll reduction tank, in aft ship	DGPS:	Two off
1 x Passive roll reduction tank, in superstructure.	Fan Beam Laser system :	One off
	Radius	One off