

# Technical Specification

## SEA SURFER

### ULSTEIN PX105 CD



**DEEP SEA SUPPLY**



MAIN DESCRIPTION		MEASUREMENT	
Type :	ULSTEIN PX105	Lenght oa :	88.8 m
Classification :	DNV+1A1, ICE-C, OFFSHORE SERVICE VESSEL, OILREC, SF, LFL*, COMF-V(3), E0, DYNPOS-AUTR, NAUT-OSV(A), CLEAN DESIGN, DK(+), HL(2.8)	Lenght bpp :	82.0 m
		Breath :	19.0 m
		Depth to main deck :	8.0 m
		Draught max:	6.6 m
Built	2014	Design draught :	6.0 m
		Deadweight :	4541 t

CARGO CAPACITY		CARGO DISCHARGE PUMPS	
Cargo Deck Area :	1025 m2	Fresh Water Cargo Pump :	1 off x 150 m3/h @ 9 bar, Allweiler NAM80-200
Cargo Deck Strength :	10 t/m2 aft of fr. 49 /5 t/m2 fwd. of fr. 49	Brine Pump :	2 off x 100 m3/h @18 bar, Allweiler SHP1450
Deck Load :	2900 t	Base Oil Pump :	1 off x 150 m3/h @ 9 bar, Allweiler NB65-200
Fuel Oil :	1078 m3	Drill / Ballast Water Pump :	2 off x 150 m3/h @ 9 bar, Allweiler NAM80-200
Fresh Water :	581 m3	Fuel Oil Cargo Pump :	1 off x 150 m3/h @ 9 bar, Allweiler 216.105
Ballast/Drillwater :	2190 m3	Mud Pump :	2 off x 100 m3/h @18 bar, Allweiler SHP1450
Liquid Mud :	871 m3	LFL Pump :	2 x 100 m3/h @ 7 bar, Allweiler CNB(SF) 50-250
Brine :	365 m3		
Dry Bulk :	320 m3		
Base Oil (comb with FO)	225 m3		
LFL	145 m3		
ORO	1382 m3		

EQUIPMENT			
Main Propellers :	2 off x Rolls Royce Azimuth Thrusters AZP100FP 2500kW	Emergency Gensets :	1 off x Caterpillar C9, 232kW @1800rpm
Diesel Generators:	4 off x Caterpillar 3512C, 1628kW @1800rpm	Bow Thrusters :	2 x 880 kW Rolls Royce Tunnel Thrusters
Alternators:	4 off x AVK DSG 86K1-4W @1550kW, 690V, 60Hz		

PERFORMANCE		ACCOMODATION	
Trial speed at 100% load on each of the azimuth drive shafts, at 5.0 m draught, clean hull and with Sea state 0 - 1 to be approx 15.5 knots.		Total:	26 persons

ROLL REDUCTION SYSTEM	
3 off Passive roll reduction tanks. Medium shall be ballast water.	

DECK / AHL EQUIPMENT		RESCUE EQUIPMENT	
Tugger Winch :	10 t pull	Life Rafts :	4 off x Viking DK35+ Rafts, two on each side
Deck Crane :	SWL 2 t at 13 m outreach	MOB boat :	1 off x Norsafe Matrix 450 (6 person) FRC
Hoisting Winches :	2 x tugger winch, 10 t pull	Davit :	1 off x Wuxi Huahai HMD14 Single Arm Boat Davit
Windlass :	1 off, 10/15 t pull and chain stoppers		
Capstans :	2 off, 10 t pull		

NAVIGATION AND COMMUNICATION EQUIPMENT			
Dynamic Positioning :	Kongsberg K-Pos DP21	AIS:	SAM Electronic SAM 3410
	2 off x Operator Stations	SSAS:	Thrane & Thrane TT6120A
	1 off x Redundant Controller	GPS :	1 x Furuno GP-150
	2 off x UPS Power Supplies	Gyro Compasses :	3 x Anschutz Standard 22
	1 off x Printer	Echo Sounder:	Furuno FE-700
Joystick :	1 off x Kongsberg IJS	Speed Log:	Furuno DS-80
Reference Systems :	2 off x Gill OMC-139	Inmarsat-C:	Thrane & Thrane TT3020C
	1 off x CyScan Laser Reference System	VHF Radiotelephones:	Thrane & Thrane TT6222A
	2 off x Seatex DPS110	Navtex:	Furuno NX-700
	1 off x Seatex MRU-D	Magnetic Compass:	Anschutz Reflecta 1
Roll Reduction System :	3 off x Passive Roll Reduction Tanks	Autopilot:	Anschutz Pilotstar D
Radar Plants :	1 off x SAM Electronic X-Band Radarpilot Platinum	MF/HF DSC:	Sailor 6300
	1 off x SAM Electronic S-Band Radarpilot Platinum	VDR:	SAM Electronic VDR4350
ECDIS:	2 off x L3/SAM Electronic ECDISpilot Platinum		