

Technical Specification

SEA SPEAR

ULSTEIN PX105



DEEP SEA SUPPLY



MAIN DESCRIPTION		MEASUREMENT	
Type :	ULSTEIN PX105	Lenght oa :	88.8 m
Classification :	DNV+1A1, ICE-C, OFFSHORE SERVICE VESSEL, FIRE FIGHTING I, SF, COMF-V(3), E0, DYNPOS-AUTR CLEAN, 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 :	4595 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 :	726 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		
Brine :	365 m3		
Dry Bulk :	320 m3		
Base Oil (comb with FO)	225 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	Fight Fighting System	FIFi 1 with dispersant system

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 x 35, 2 x16 Vicking Rafts, three on each side
Deck Crane :	1 x SWL 2 t at 13 m outreach	FRB :	Mako 655 Rescue Boat (6 - 15 man)
	1 x knuckle boom crane 2 T SWL at 15 M outreach	Davit :	Redrock RDA36 Davit
Hoisting Winches :	2 x tugger winch, 10 t pull	Dacon Scoop :	7 M
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, 1 x OMC-160 Wind Senors	Inmarsat-C:	Thrane & Thrane TT3020C
	1 off x Radar Scan Reference System	VHF Radiotelephones:	Thrane & Thrane TT6222A
	1 off x CyScan Laser Reference System	Navtex:	Furuno NX-700
	2 off x Seatex DPS110	Magnetic Compass:	Anschutz Reflecta 1
	3 off x Seatex MRU-D	Autopilot:	Anschutz Pilotstar D
Roll Reduction System :	3 off x Passive Roll Reduction Tanks	MF/HF DSC:	Sailor 6300
Radar Plants :	1 off x SAM Electronic X-Band Radarpilot Platinum	VDR:	SAM Electronic VDR4350
	1 off x SAM Electronic S-Band Radarpilot Platinum		
ECDIS:	N/A		