

# Technical Specification

## SEA FROST

### ULSTEIN PX105 CD



**DEEP SEA SUPPLY**



MAIN DESCRIPTION	MEASUREMENT
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Type :	ULSTEIN PX105	Lenght oa :	88.8 m
Classification :	DNV+1A1, ICE-C, OFFSHORE SERVICE VESSEL	Lenght bpp :	82.0 m
	FIRE FIGHTING 1 OILREC, SF, LFL*, COMF-V(3)C(3),	Breath :	19.0 m
	E0, DYNPOS-AUTR NAUT-OSV(A), CLEAN DESIGN,	Depth to main deck :	8.0 m
	DK(+), HL(2.8)	Draught max:	6.6 m
Built	2013	Design draught :	6.0 m
		Deadweight :	4700 t

CARGO CAPACITY	CARGO DISCHARGE PUMPS
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Cargo Deck Area :	1025 m2	Fresh Water Cargo Pump :	1 x 250 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 x 100 m3/h @24 bar, Allweiler SHP1450
Deck Load :	2900 t	Base Oil Pump :	1 x 150 m3/h, Allweiler NB65-200
Fuel Oil :	1069 m3	Drill / Ballast Water Pump :	2 x 250 m3/h @ 9 bar, Allweiler NAM80-200
Fresh Water :	593 m3	Fuel Oil Cargo Pump :	1 x 250 m3/h @ 9 bar, Allweiler 216.135
Ballast/Drillwater :	2175 m3	Mud Pump :	2 x 100 m3/h @18 bar, Allweiler SHP1450
Liquid Mud :	870 m3	LFL Pump :	2 x 100 m3/h @ 7 bar, Allweiler CNB(SF)50-250
Brine :	369 m3		
Dry Bulk :	321 m3		
Base Oil (comb with FO)	225 m3		
LFL :	145 m3		
ORO :	1385 m3		

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

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

DECK / AHL EQUIPMENT	RESCUE EQUIPMENT
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Tugger Winch :	10 t pull	Life Rafts :	4 x Viking DK35+ Rafts, two on each side
Deck Crane :	SWL 2 t at 13 m outreach	MOB boat :	1 x Norsafe Merlin 615 (15 person) FRC
Hoisting Winches :	2 x tugger winch, 10 t pull	Davit :	1 x Norsafe NOA-25B
Windlass :	1 x 10/15 t pull and chain stoppers		
Capstans :	2 x 10 t pull		

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