

PLV NORTH OCEAN 105

EQUIPMENT SPECIFICATION

GENERAL DESCRIPTION

Type:	Pipe Lay Vessel
Classification:	DnV +1A1, DYNPOS-AUTR, EO, DK(+), CLEAN, COMF-V(3), NAUT-OSV, HELDK.
Flag:	Malta
Year of Build:	2012
Builder:	Metalship & Docks, Vigo, Spain

PRINCIPAL DIMENSIONS

Length OA:	135.65 m
Length BP:	120.40 m
Beam:	27.00 m
Draft Max:	6.85 m
Depth Main Deck:	9.70 m
Speed:	15 knots

MAIN DECK AREAS

Total:	Approx. 2,400 m ² Approx. 1,400 m ² free deck
Deck Strength:	10 tonnes/m ² overall
Deck Hatches:	Two 4 x 3 m with removable coaming

DECK EQUIPMENT

Main Crane:	Fixed Boom amidships, PS 400 tonnes AHC @ 16 m 200 tonnes @ 28 m 160 tonnes @ 33 m
Auxiliary:	50 tonnes @ 42 m
AFT Crane:	Knuckle Jib crane aftships, PS 100 tonnes AHC @ 14 m 60 tonnes @ 25 m 45 tonnes @ 32 m
Provision Crane:	S.W.L. 2 tonnes @ 12 m
Moonpool:	6.0 x 6.6 m with hatch
Stabilising Equipment:	One anti heeling system

WATER MAKERS

Freshwater Gen:	Two of each 25 m ³ per day
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HELIDECK

Size:	D-Value 20.88 m (size 26.1 m) Suitable for Sikorsky S-92 (12.8T)
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AUXILIARIES

Harbour Generator:	Caterpillar, 1,000 kW
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MAIN ENGINES

Number & Power:	Wartsila, 4 X 3,230 kW Wartsila, 1 X 1,600 kW
Propulsion:	Rolls-Royce, two Azipull thrusters of 3,500 kW
Bow Thrusters:	Rolls-Royce, One Swing-up thruster of 1,500 kW Two tunnels of 1,500 kW each

DYNAMIC POSITIONING SYSTEM

Mark:	Kongsberg Maritime K-Pos 31
Class:	DnV DYNPOS-AUTR, complies NMD class 2
Reference Syst.:	Two Kongsberg HiPAP 500 Two DGPS 116/132 LTW Taut Wire Mk15

CAPACITIES

DWT:	7,000 tonnes
Fuel Oil:	Approx. 2,000 m ³
Portable Water:	Approx. 850 m ³
Ballast Water:	Approx. 6,335 m ³
Reel Capacity:	Approx. 2,900 tonnes

CLIENT & OFFICE FACILITIES

Offices & Facilities:	One Offline office on 01 ACC. One conference room Four client offices
Workshop:	One below main deck
Clean Power Sup.:	Sufficient UPC systems available

ACCOMMODATION 120 Persons

Number of Cabins:	24 one man and 48 two man Hospital with two beds
Mess Room:	60 seats
Recreation Room:	50 seats
Conference Room:	12 seats
Reception Room:	Reception room for helideck
Recreation Facilities:	Gymnasium, sauna and cinema