

DP3 1200 Tons Heavy Lift Pipelaying Vessel

Sapura 1200



Principal Dimensions

Classification :	+A1, (Pipe Lay), Heavy Lift, Offshore Support Vessel, (E), +AMS, +ACC, +DPS-3, CPS, RRD, HELIDECK, UWILD, ENVIRO, CRC, BWT, SPS, HAB+ (WB), GP
Length Overall :	153.60 m
Length Between Perpendiculars :	143.40 m
Breadth, Moulded :	35.00 m
Depth to Work Deck, Moulded :	16.80 m
Depth to Tweendeck (Freeboard) :	9.80 m
Draft (Sailing) :	6.50 m
Draft (DP Operation) :	7.00 m
Draught (Scantling) :	7.50 m
Gross Tonnage :	32,504 MT
Net Tonnage :	9,751 MT
SPS compliant, including Safe Return to Port	
Passes Suez Canal and modified Panama Canal (2014)	

Main Crane	
Crane Type :	Counter weight type, all ratings after DAF correction
Main Hook Capacity, Tie Back :	1,200 MT @ 40 m radius
Main Hook Capacity, Stationary :	1,000 MT @ 35 m radius
Main Hook Capacity, Revolving :	1,000 MT @ 30 m radius
Aux. Hook Capacity :	500 MT @ 52.3 m radius
Whip Hook Capacity :	75 MT @ 98.7 m radius
Man Riding :	ABS Certified

Pipe-Lay Capability	
Pipe Size :	6" to 60" including concrete coating
Tensioners :	520 MT (4 @ 130 MT)
Main A & R Winch Capacity :	525 MT
Aux. A & R Winch Capacity :	150 MT
Welding Stations :	6 nos.
NDT Stations :	1 no.
Field Coating Stations :	2 nos.
Stinger :	95 m in 3 sections; Hinged Articulated
Pipe Handling Cranes :	2 x 50 MT @ 40 m radius
Pipe Handling Davits :	5 x 50 MT 150m water depth

Deep Water Lowering Capability

Lowering Depth :	Up to 4000 m
Maximum Weight :	Up to 525 MT (with A&R winch)

Propulsion

Economical Speed :	13.6 knots
Maximum Speed :	14 knots
DP Capability :	DPS 3
Thrusters :	8 nos. (Rolls Royce, motors & drives Siemens)
Stern Thrusters :	2 x 4,500 kW
Retractable Thrusters :	5 x 2,400 kW
Bow Thruster :	1 x 1,500 kW (CPP)

10 Point Mooring System

Mooring Winches :	150 MT x 10 nos.
Mooring Anchors :	12.5 MT Delta Flipper HHP
Mooring Ropes :	63.5 mm Dia.

Engine Room :

Main Power Plant Capacity:	2 nos. (Fwd & Aft) 28.8 MW (6x 4800 KW)
Main Engines :	MAN 9L 32 - 440 CRDI
Alternators :	Siemens
HV/LV switch boards, PMS, VMS :	Siemens Ancillary

Machineries

Emergency Generator :	1 x 1,000 KW
Working Air Compressors :	2 x 940 CFM
Pipelay Air Compressors :	3 x 283 CFM
Fresh Water Makers :	2 x 72 tonnes/day
Ballast Water Treatment System :	2 x 700 Cu M/hour
Navigation Anchor Windlass :	Provided with 2 anchors and 1 spare, complete with chain locker, chain stopper etc.
Refrigeration Plant :	For 60 day storage
Incinerator and compactor installed	

Pumps

Ballast Pumps :	2 x 550 Cu M/hour
Anti-heeling Pumps :	3 x 2,000 Cu M/hour
Fuel Oil Transfer Pumps :	4 x 35 Cu M/hour

Safety Equipments

Life boats :	4 x 75 persons (Fat Boy type)
Rescue Boats :	2 Nos.
Main Fire Pump :	2 Nos. with Jockey pumps
Emergency Fire Pump :	One fire pump, connected to Emer. Generator
Foam Pump :	Helideck
Water Mist System :	For generators and incinerators
CO2 Fire Fighting System :	For engine rooms, Emer. Generator Room etc.

Tank Capacities

Ballast Tanks :	11,836 Cu M
Fresh Water Tanks :	1579 Cu M
Fuel Oil Storage Tanks :	2500 Cu M
Fuel Oil Settling Tanks :	2 x 56 Cu M
Fuel Oil Service Tanks :	6 x 18 Cu M
Lub. Oil Storage Tank :	89 Cu M

Communication and Navigation Equipments

- DGPS 1 & DGPS2 (Kongsberg); DGPS3 (Veripos) for DP Reference System
- 2 Nos. RADIUS DP reference system
- 2 No. HIPAP DP reference system
- 1 No. Taut wire as DP reference system
- DGPS System for Navigation
- Gyrocompass and Steering system
- Steering control system/Autopilot

- Windsensors
- MULTIPOINT ARPAX-band
- MULTIPOINT ARPAS-band
- 2 Nos. ECDIS SYSTEMMONITORS
- Position finder GPS, Decca, Loran, Omega, Radio deflection finder etc.
- Radio plant, GMDSS
- VHF/UHF Telephones
- Calling/command/crew call telephone plants, walkie talkies
- VSAT Telephone and Data

Accommodation :

	300 persons in cabins with ensuite toilets
Mess Hall :	For 120 persons
Recreation Rooms :	2 Nos. with TV and entertainment systems
Training Room :	1 No. with video equipment
Gymnasium :	1 No.
Prayer Room :	1 No.
Hospital :	3 beds
Helicopter Arrival/Departure Room :	1 No.
Helideck :	MH 101 14.6 tonnes
Helicopter Accommodation Class :	HAB + (ABS)

** This vessel specification is given in good faith @ assumed correct. Details given are without guarantee.

** Owners reserve the right to amend the specifications without notification

Sapura 1200

