DP Pipelay Support Vessel

Sapura Topázio

Principal Dimensions :

Flag :	Panama
Classification :	Lloyds registry
Notations :	✠ 100A1, UD
Strengthened Helicopter Landing Area, EP, ✠ LMC, UMS, ICC, DP (AA), CAC (3), NAV-1, IBS, *IWS	
Length Overall :	145.99 m
Length Between PP :	134.52 m
Breadth Moulded :	29.94 m
Depth Main Deck :	13.0 m
Summer Draught (Max) :	8.30 m
Draught Scantling :	8.5 m
Deadweight At Design Draught :	8350 MT

Main Crane

Crane Type NOV 250t : Active Heave compensated electro - hydraulic driven, Knuckle Boom
Main Hook 250t @ 14m, Hs = Om
36 m max radius
Auxiliary Hook, 10t @ 40m

Tower Top Crane

HS Marine AKC 410/11 HE1
Lifting Capacity
- 20T @ 10.80 m outreach
- 10T @ 11.18 m outreach
- Personnel Lifting: 2.5t @ 11.18m outreach (which in single fall only)

Flexible Pipelay Capability

Tower Height :	51.26 m
Location :	Forward edge of Moon pool

Tower Design Loading :
- 550 tonnes peak dynamic product along product axis for flexible pipes
- 600 tonnes peak dynamic prodyct load along product axis for braking
- 610 tonnes peak A&R load along firing line

Product Range :	100 to 630 mm
Tensioner Capacity :	2 x 275 tonnes, SAS
A&R Winch Capacity :	610 tonnes SWL and 200T SWL
Friction Clamp Capacity :	610 tonnes (1)
Carousels :	1 x 2500 tonnes and 1 x 1500 tonnes

Deep Water Lowering Capability

Lowering Depth
Crane, ROV's and pipe lay system : 3000 meters

Propulsion

DP capability :	DP 2, DP 3 upgrade ready
Thrusters :	7 units
Stern Thrusters :	3 x 2950 kW
Retractable Thrusters :	2 x 2400 kW
Bow Thrusters :	2 x 2200 kW
Estimate Trial Speed :	13.6 knot

Electrical

Main Power Plant Capacity :	22.14MW
Main engines. 6 x 3690 kW, Wartsila 8L32	
Alternators :	Hyundai
HV Switch Boards :	6600V
LV Switchboards :	440V, 230V, 115V
Emergency Generator :	1 x 1500kW

Anciliary Machineries

Working Air Compressor :	2 x 1100 m^3/hour
Fresh Water Makers :	2 x 40m^3/day

Pumps

Ballast Pump :	2 x 400m^3/hour
Anti-heeling Pumps :	2 x 1000m^3/hour
Fuel Oil Transfer Pumps :	2 x 20m^3/hour

Helideck

Alumium, 22m, S92

ROV

2 X 150HP WROV
TMT Typhoon
3000m depth capability

Tank Capacities

Heeling Tanks :	1000 m^3
Fresh Water Tanks :	1020 m^3
Water Ballast Tank :	5100 m^3
Fuel Oil Tank :	2000 m^3
Technical Fresh Water Tanks :	650 m^3

Safety Equipment

Lifeboats :	2 x 60 person capacity
Life Rafts :	4 x 15 person & 1 x 10 person
Rescue Boat :	1 x 6 person GRP rescue boat

Communication And Navigation Equipments

DGPS and GPS system
HIPaP 500
Kongsberg Fan Beam
Gyro and magnetic compass system
ARPA X-Band
ARPA S-Band
Autopilot system
Automatic Identification system (AIS)
Wind sensors
Echo sounder system

Accommodation

Capacity : 120 person
- 5 Suites
- 31 x 1 - person cabins
- 42 x 2- person cabins

Mess Hall : For 60 - person
Recreation Spaces :
- Lounge / video room : Seating for 29 person
- Smoking lounge : Seating for 10 person
- Internet lounge : For 6 person
- Gymnasium : Outfitted with 2x bicycle, 1x treadmill, 1x multi-gym machine

Workshops

Electrical, Mechanical, ROV, Pipe Lay, Welding

Sapura Energy Berhad

No. 7 Jalan Tasik,The Mines Resort City,
43300 Seri Kembangan, Selangor, Malaysia
Tel : +603 8659 8800 Fax: +603 8659 8873
Website : www.sapuraenergy.com

Sapura Offshore Sdn Bhd

Offshore Construction Services
No. 7 Jalan Tasik,The Mines Resort City,
43300 Seri Kembangan, Selangor, Malaysia
Tel : +603 8659 8884 Fax: +603 8659 3474
Email : bizdevelopment@sapuraenergy.com

SEB/JUL/2017