

# Subsea Construction and Well Intervention Support Vessel

## Sapura Constructor



### General Description

Owner	: Sapura Energy Australia Pty Ltd
Year of Build	: 2008
Type	: MT 6022L – MP Subsea Operational Support Vessel
Design	: Marin Teknikk AS
IMO	: 9392705
Call Sign	: H9YT
Area of Operation	: Worldwide
Flag	: Panama
Class	: DNV + 1A1, R Ship-shaped Well Intervention Unit SF COMF-V(3), HeliDeck-S, Eo DYNPOS-AUTR Clean DK(+)
SPS	: 50 special persons

### Main Dimensions

Length Overall	: 117.35 m
Length Between P.P.	: 109.90 m
Breadth Moulded	: 22.00 m
Depth Main Deck	: 9.00 m
Maximum Draught Midship	: 7.15 m
Depth Shelterdeck	: 11.80 m
Deadweight at 0 Trim	: ~7,404 mt
Moonpool	: 7.2 x 7.2 m with wave damping
Helideck Diameter (for S92)	: 22.20 m

### Accommodation

Maximum POB for 120 persons + 12 divers\*

Cabins	: 20 x 1 man cabins
	: 46 x 2 man cabins
	: 2 x 2+2 man cabins

\* Divers accommodated in Dive Chambers

Enclosed Lifeboats	: 4 x 60 man (at 100 kg/person) + 1 x 12 man SPHL
Hospital, Gymnasium, Library and Smoking Room	

### Performance

Speed (d=4.5m)	: ~16 knots (12-13 knots in economy mode)
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### Capacities

Gross Tonnage (International)	: ~8,337 GRT
Net Tonnage	: ~2,501 mt
Deck Strength	: 10 t/m <sup>2</sup>
Water Ballast	: 5,361 m <sup>3</sup>
Fresh Water	: 1,238 m <sup>3</sup>
Fuel Oil (@ 90% capacity)	: 1,516 m <sup>3</sup>
Lubricating Oil	: 52.4 m <sup>3</sup>
Miscellaneous Tanks	: 60 m <sup>3</sup>
Cargo Deck	: ~1,300 m <sup>2</sup>

### Navigation / Communication

- GMDSS A3
- 3G/LTE Router Integrated (close to shore locations)
- Clearcom & 4 channel Project CCTV for ROV & Diver/LWI to main work areas
- VSAT Data & Telephone on vessel 2 x C-Band antenna (auto fail over setup) 1536 / 1536 (upgradeable)
- WiFi, Public Computers and Public Phones
- TVRO including in-house channels
- UHF/VHF Base Unit & Portable Radio

### Propulsion and Generating Machinery

- Main Engines, 5 x 3516, each 2,100 kW
- Auxiliary Engine, 1 x 3512, 1,700 kW
- Main Generators, 5 x 690 V, ~2,333 kVA each + 1 x 690 V, 1,889 kVA
- Emergency Generator, C9-DI, 250 kVA
- Main Propulsion Thrusters, 2 x El. driven FP AZP120, each 3,000 kW
- Bow Retractable Thruster, 1 x El. driven FP, 1,200 kW
- Bow Tunnel Thruster, 2 x TT2,400, each 1,300 kW

### Cranes / Lifting

#### Main Crane

- Hydramarine, DNV Class Offshore Crane with Active Heave Compensation (AHC)
- 250 t @ 10 m – 2 fall (inbuilt DAF = 1.4)
  - 200 t @ 12 m – single fall
  - 2,500 m depth capability
  - 10 t auxiliary block with manriding capability

#### Other Cranes

##### Deck Crane

- 1 x 1.2 t at 14.4 m radius foldable crane

##### Provision Cranes

- 2 x 5 t at 15 m radius with knuckle jib

### Anti-Heeling System

Anti-heeling	: 3,000 m <sup>3</sup> /hr
Roll reduction tanks	: 3

### DP System

- Kongsberg Maritime AS, SDP21
- 2 DGPS
- 1 Hipap 500
- 1 Cyscan
- 1 Radius
- 1 Taut wire 500 m depth
- Plus other inputs as required

### Saturation Dive System

- CL300 Lloyd's Register Class and IMCA compliant
- 300 m depth, 12-man system
- 3-man bell
- Below deck gas storage 15,000 m<sup>3</sup>
- Self-Propelled Hyperbaric Lifeboat (SPHL) with Davit Launching System

### Air Dive System

- CL50 IMCA compliant
- Twin basket LARS in hanger
- 1 DDC twin lock

### ROV Equipment

- 2 x 150 hp WROVs, 3,000 m depth
- Both in hangars with dedicated LARS for each
- Central control room

\*\* 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 Energy Berhad

No. 7 Jalan Tasik, The Mines Resort City,  
43300 Seri Kembangan, Selangor, Malaysia  
Tel: +60 3 8659 8800 Fax: +60 3 8659 8873  
Website: www.sapuraenergy.com

### Sapura Energy Australia Pty Ltd

Level 2, 251 St Georges Terrace Perth,  
Western Australia 6000, Australia  
Tel: +61 8 9480 1000  
Website: www.sapuraenergy.com