

Subsea Construction Vessel



Vessel name:

SAPURAKENCANA CONSTRUCTOR

The SapuraKencana Constructor is a 117m subsea support vessel equipped with a saturation dive system including Self Propelled Hyperbaric Lifeboat (SPHL), 2 x remotely operated vehicles (ROVs), a helideck, moon pool and accommodation for 120 personnel.

General Description

Owner	: SapuraKencana Australia
Year of Build	: 2008
Type	: MT 6022L – MP Subsea Operational Support Vessel
Design	: Marin Teknikk AS
Area of Operation	: Worldwide
Flag	: Panama
Class	: DNV + 1A1, R Ship-shaped Well Intervention Unit SF COMF-V(3), HeliDeck-S, E0 DYNPOS-AUTR Clean DK(+).

Main Dimension

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 SWL	: ~6,500 T
Moon pool	: 7.2 x 7.2 m with wave damping
Helideck diameter (for S92)	: 22.20 m

Accommodation

Accommodation for 120 persons.

Cabins	: Cabins : 20 x 1 man cabins
	: 46 x 2 man cabins
	: 2 x 2+2 man cabins
Enclosed lifeboats	: 4 x 60 man

Performance

Speed (d=4.5 m) : ~16 knots

Capacity

Gross tonnage (International)	: ~6,200 GRT
Net tonnage	: ~1,850 mt
Deck strength	: 10 t/m ²
Water ballast	: 3,500 m ³
Fresh water	: 1,253 m ³
Fuel oil (@ 90% capacity)	: 1,006 m ³
Lubricating oil	: 35 m ³
Miscellaneous tanks	: 60 m ³
Cargo deck	: ~1,300 m ²

Navigation/Communication

- GMDSS A3
- VSAT x 2 (Ku Band and C Band)
- Mobile phone GSM integrated
- Clearcomms to main work areas
- Data network on vessel

Propulsion and Generating Machinery

- Main Engines, 5 x 3516, each 2,100kW
- Auxiliary Engine, 1 x 3512, 1,700kW
- Main Generators, 5 x 690V, ~2,028kVA each
- Emergency Generator, C9-DI, 250kVA
- Main Propulsion Thrusters, 2 x EL. driven FP AZP120, each 3,000kW
- Bow Retractable Thruster, 1 x El. driven FP, 1,200kW
- Bow Tunnel Thruster, 2 x TT2400, each 1,300kW

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Cranes/Lifting

Main Crane

Hydramarine, DNV Class Offshore Crane

- 250 t @ 10 m – 2 fall
- 200 t @ 12 m – single fall
- 2500 m depth capability
- 10 t auxiliary block with manriding capability
- with active heave compensation (AHC)

Other Cranes

- Deck Cranes – 2 x 5t at 15 m radius with knuckle jib
– 1 x 1.2t at 14.4 m radius foldable crane
- Provision Crane – 1 t at 15 m radius foldable crane

Anti-Heeling System

Anti-heeling : 3000 m³/hr

Roll reduction tanks : 3

DP System

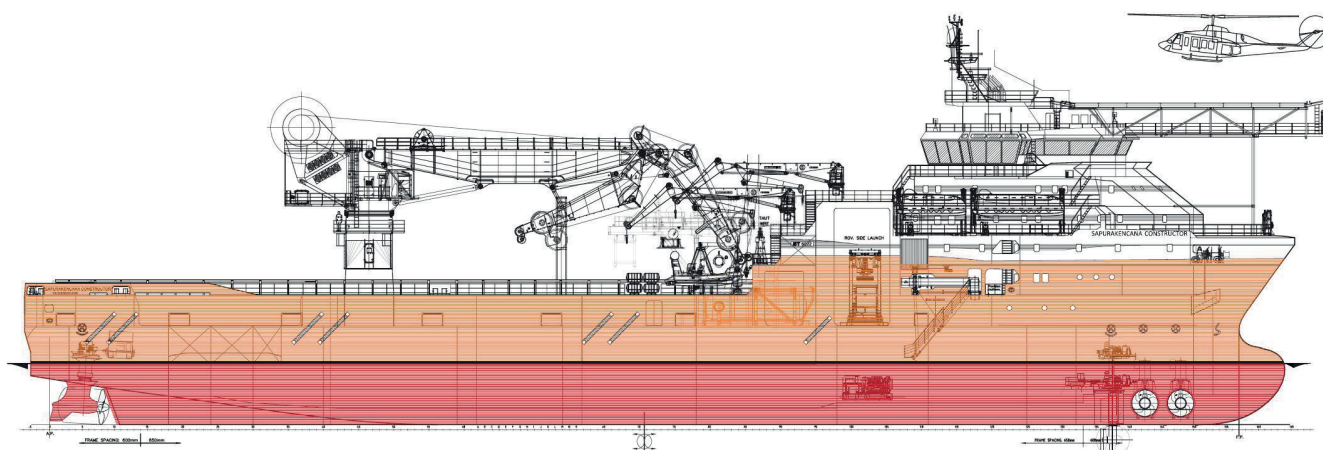
- Kongsberg Maritime AS, SDP21
- 2 DGPS
- 1 Hipap 500
- 1 Fan beam
- 1 Taut wire 500 m depth
- Plus other inputs as required

Saturation Dive System

- Lloyd's Register Class
- 300 m depth, 12-man system
- 3-man bell
- Below deck gas storage
- Self Propelled Hyperbaric Lifeboat (SPHL) with Davit launching system

ROV Equipment

- 2 x 150hp WROVs, 3000 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.

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