

DP Class 2 Diving Support and ROV Vessel



Vessel name:

SAPURAKENCANA ACHIEVER

SPECIFICATIONS

Classification	: ABS, Offshore Support Vessel A1, AMS, DPS-2, CRC, Unrestricted Navigation
DP Notation	: Class DP II
Builder	: Astilleros Balenciaga S.A Zumaia, Spain
Flag	: Malaysian
Call Sign	: 9 MLF3
Owners	: Sapurakencana Allied Corporation
Built	: 2001

DIMENSIONS

Length B.P	: 60.00 m	Max Draft	: 4.10 m
Breadth	: 13.30 m	Depth	: 5.00 m

PERFORMANCE

Max Transit Speed	: Approx. 10 knots
Economical Speed	: 9 knots
Fuel consumption	: 9m ³ @ 9 knots
Endurance	: Approximately 55 days
DP Class II	: Approximately 3.5 MT per day
At Port Consumption	: 0.8 MT per day

TONNAGE

Gross Tonnage	: 1383 tonnes
Net Tonnage	: 414 tonnes

TANK CAPACITY

Diesel Oil (90%)	: 476 m ³
Fresh Water (100%)	: 155 m ³
Water maker	: 3 Nos, - 2 x 8MT / day, 1 x 15MT / day

ACCOMMODATION

4 x 1 Berth with facilities	: 4
20 x 2 Berth with facilities	: 40
4 x 4 Berth with facilities	: 16
Hospital	: 1 x 2 Berth
Total Cabin	: 28 Berth = 60

PROPULSION

Main Propulsion	: 2 x 1200 BHP Caterpillar 3512 Dita Marine Diesel Engine
Tunnel Thrusters	: 2 x 350 Kw Schottel STT 170LK Units, Electrically Driven
Azimuth Unit	: 2 x 954Kw Schottel 1010 STP
Generator	: 3 x 425 Kw Caterpillar 3412C
Emergency	: 1 x 65 Kw Caterpillar 3304 NA
ROV Generator	: 1 x Caterpillar 3408B, 350 Kw

DP II SYSTEM

Dynamic Positioning	: L3 NMS 6000 Dual Redundant DP system
	: 2 x Independent DGPS (Fugro G2 GPS / GLONASS)
	: 1 x Sonardyne Rnger 2 Pro Acoustic System with transponder
	: 1 x Taut Wire MK 15B/300
	: 1 x MDL Fan Beam 4.2
	: 4 x wind sensor

DECK MACHINERY

Main Crane	: 1 x Hydralift electro hydraulic offshore deck crane
Main Hook	: 25 tonnes at 8.5m radius, 300m single wire at 10m/min
Aux Hook	: 5 tonnes at 18m radius, 242m single wire at 35m/min

DECK AREA

Total Deck Area	: Abt. 350 m ² at uniform deck loading 5 tonnes/ m ²
Mezz Deck Area	: Abt. 89 m ² with max loading of 50T

ELECTRONICS

Vessel is fully equipped for GMDSS Area A3

	: 2 x Radar - Furuno
	: 1 x Echo Sounder - Furuno
	: 3 x Gyro Compass TS Brown, 1 x Gyro Compass Anchutz
	: 1 x Auto Pilot
	: Inmarsat B Satcom & Inmarsat C Satcom
	: 1 x Navtex
	: 2 x VHF Radio
	: 1 x SSB Radio with DSC facility
	: 2 x Facsimile machine
	: 2 x SART
	: 1 x EPIRB
	: 3 x Portable VHF Radio
	: 1 Watch Receiver
	: 1 x Sound power telephone system
	: 1 x Public Address System
	: 1 x Automatic Identification System (AIS)
	: 1 x Ship Security Alert System (SSAS)
	: 1 x LRIT
	: 1 x Automatic Telephone System
	: 1 x BNWAS
	: 24 hours Ku Band Vsat Internet system with wifi connection whole accommodation
	: VoIP Crew Phone
	: TVRO Satellite TV system - ASTRO on board

VESSEL VOLTAGES

System	: 440 VAC @ 60 Hz - 3 phase (Normal)
	: 110 VAC @ 60 Hz - 1 phase (Normal + Emergency)
	: 240 VAC @ 60 Hz - 1 phase
	: 24 VDC - Emergency
Power Outlets	: 4 x 440V, 63A : 4 x 220V, 16A
	: 4 x 440V, 32A : 2 x 110V, 32A
	: 2 x 220V, 32A : 4 x 110V, 16A

HULL OUTFITTINGS

Anchor and Cables	
Anchors	: 2 x Stockless High Holding Power Type, each 1500 Kg
Cables	: 440 m of 34 mm diameter, GR2, Chain Cable
Mooring	: 4 x 160 m of Polypropylene rope, BS - 48 Tonnes
	: 1 x Hydraulic Windlass with Two Cable Drums and Two Warping Drums
	: 2 x Hydraulic Capstan SWL 3T

LIFE SAVING EQUIPMENT

Liferafts	: 200% compliments
Rescue Boat	: 1 x 6 person rigid hull inflatable with davit

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