

DP Class 2 Diving Support and ROV Vessel

Sapura 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 :	Sapura Subsea Corporation		
Built :	2001		

Dimensions

Length Overall :	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 4.0 MT per day
At Port Consumption :	1.0 MT per day

Tonnage

Gross Tonnage :	1,383 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 1,200 BHP Caterpillar 3512 Dita Marine Diesel Engine
Tunnel Thrusters :	2 x 350 Kw Nominal Thrust approx. 5.62 T force 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 KwDP II

System

Dynamic Positioning :	WARTSILA NMS6000NG 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 3 x VRU
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Deck Machinery

Main Crane :	1 x Hydralift electro hydraulic offshore deck crane
Main Hook :	25 tonnes at 8.5 m radius, 260m single wire at 10 m/min
Aux Hook :	5 tonnes at 18 m radius, 210 m single wire at 35 m/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 50 tonnes

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
	2 x Inmarsat C Satcom
	1 x Navtex
	3 x VHF Radio
	1 x SSB Radio with DSC facility
	1 x Facsimile machine
	2 x SART
	1 x EPIRB
	3 x Portable VHF Radio
	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
	2 x 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) 220 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

Anchors and Cables

Anchors :	2 x Stockless High Holding Power Type, each 1,500 Kg
Cables :	440 m of 34 mm diameter, GR2, Chain Cable 6 x 220 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% complement
Rescue Boat :	1 x 6 person rigid hull inflatable with davit