Fugro Symphony is a purpose-built ROV support vessel, designed to address the demands of the deepwater remote intervention, construction and survey markets, both today and in the future.

Commissioned following the successful introduction of the Fugro Saltire in 2008, Fugro Symphony is an extended version of the ST327L that offers significantly increased deck space. Additional upgrades enhance the overall utility and productivity of the vessel, particularly in its construction support role.

Fugro Symphony is equipped with a MacGregor Hydramarine ‘Active Boost’ 150 t AHC knuckle boom crane, capable of subsea lifts of 150 t in single fall mode, down to 3,000 m.

With two FCV 3000 work class ROV systems located within the central hanger area, the full extent of the 1,400m² main deck is available for project equipment. The 7.2m² moon pool, situated immediately aft of the hanger area, is overlooked by a large deck operations room.

The full reach of the 65 m x 24 m steel plated (18-28 mm thick) main deck is designed for a UDL deck loading of 10 t/m² and offers the flexibility to carry substantial loads with minimal constraints on deck layout.
FUGRO SYMPHONY

Technical Specifications

General

Vessel Name Fugro Symphony
Classification DNV +1A1; E0; DYNOPOS-AUTR; COMF-V(3) C(3) DK(+)-CLEAN DESIGN; NAUT OSVA; HELDK-SH; SF; ICE-C1
Owner Fugro Symphony Inc.
Operator Fugro Subsea Services Limited
Year built 2011
Built by Bergen Mekaniske Verksted
Port of registry Nassau, Bahamas
Call sign C6YY3
Tonnage Gross: 11,324 t; Net: 3,398 t
IMO 9492581
MMSI 311049100

Dimensions

LOA / LBP 130.2 m / 119.4 m
Breadth 24 m
Draft Max. 7.5 m

Accommodation

Total complement 105 persons
Cabins 31 single and 37 double
Hospital Medical treatment room & rest room
Offices/workspaces Main control room - 12 m x 12 m
  offshore survey room - 10 m x 5 m
  2 client offices – 23 m² and 15 m²
  Conference room - 37 m²
  Auditorium/ cinema – 54 seats
Recreation 2 gymnasiums, 2 saunas
  2 lounge areas, an internet café

Machinery & Performance

Main power plant 4 x Rolls-Royce Bergen B32:40L8A engines
  engines, each driving a Hyundai HSJ7
  805-10f, 4,095 kW generator
Total power Total capacity: 15,360 kW /
  6,380 kVA, 6,600 V, 60 Hz
  2 x LOHER JNWA-800MB-08A,
  4,200 kW, AC-electric motors, fitted to
  gearboxes with stepless control from
  0-100% rpm. Freshwater-cooled.
  2 x 4.2 m diameter NAV 94XF5
Bow thrusters 2 x tunnel, Brunvoll var. pitch,
  2,000 kW electric AC drive - Super Silent,
  1 x retractable azimuth, Brunvoll, var.
  pitch, 1,400 kW electric AC drive
Stern thrusters 2 x tunnel, Brunvoll, var. pitch,
  1,400 kW electric Super Silent
Maximum speed 16 knots
Endurance 40 days (steaming)

Capacities

Fresh water 572 m³
Water maker 2 x 15 t/day
Ballast water 3,150 m³
Marine diesel oil 1,820 m³
Lube oil 130.5 m³
Chemical tanks 2 x 170 m³ (MEG)

Deck Machinery

Deck area 1,400 m²
Deck loading 10 t/m²
Deck crane Dredgen DKF220-10T-15M L944A
  Capacity @ 15 m radius : 10 t
  Main Lift Wire: 1,000 m x 24 mm
Moon pool 7.2 m x 7.2 m located on aft deck
Helideck Rating: Sikorsky S61/S91
  D-value: 21 (26 m actual diameter)
  Max. landing load : 12,800 kg

Control & Navigation

DP System Kongsberg Simrad K-Master integrated to
  K-POS DP2
DP References DGPS DP References; Seatex DPS 200
  (24 Channel), Seapath 300, Fugro Starpack GNSS
  Dual Simrad HiPAP 500, Fanbeam, Quad Radius

Communications

Satellite systems Dual Ku-band / C-Band
  Max Capacity 5 Mbit/s
VHF Furuno FM-8800S / Sailor RT2048

Safety Equipment

Lifeboats 2 x 106 Person
Liferafts 6 x 25 Person / 2 x 35 Person
MOB boat MARE 700 FRB 10 Person Max.
  Engine power 165-230 HP

Work class ROV (WROV) systems

Number and type 2 x FCV 3000 150 HP ROV systems
Deployment locations In enclosed hanger area, via hydraulic
  doors; 1 x port side, 1 x starboard side
TMS 11 t SWL, 600 m tether capacity
System depth rating 3,000 msw
LARS 2 x MacGregor SP2422,
  Travelling Beam Scissor Lift
  Arrangement 18.5 t SWL
Lift umbilical winch 2 x active heave comp. (2.0 m/s), High
  Speed (6-100 m/min), Line pull : 13.6 t
  Capacity: 4,000 m (3,850 m fitted)

WWW.FUGRO.COM