The Havila Harmony is a true multi-role DP2 vessel with the ability to perform a wide spectrum of work scopes. It is equally capable of executing subsea installation programs, ROV intervention, diving operations or well intervention tasks.

Based on the Marin Teknikk MT6010 hull, the vessel has excellent sea keeping capabilities, providing a stable platform over a wide range of weather conditions.

With modern accommodation for up to 88 personnel, the vessel has been designed and built in accordance with the Norwegian Clean Comfort Class standard, providing a greater level of passenger comfort, including reduced levels of noise and vibration.

The Havila Harmony has been specifically modified to comply with DNV Well Intervention Class Notation and has an accepted NOPSA Safety Case covering, among other things, construction, well Intervention, subsea tree deployment and ROV activities.

Two high specification FCV 3000 Work Class ROV’s are installed onboard, both with a maximum working depth of 3000m. Additionally, the combination of a 150T AHC crane and 800m2 of back deck space provides a level of operational flexibility unmatched by many other vessels of this size.

Through our fleet of high specification vessels, including the Havila Harmony, Fugro-TSM are able to offer a broad range of services across the life cycle of a subsea field.
HAVILA HARMONY

Technical Specifications

General

Name                      Havila Harmony
Classification             DNV + 1A1, Ship-shaped Well Intervention Unit, SF, LFL* COMF-V(3), HELDECK - SH, DSV-Sat, E0, Dynpos AUTR, CLEAN, DK (+), HL(2.8)
Built                     2005 as DP2 PSV, 2007 converted to current configuration
Design                    MT 6010
Port of Registry / Flag   Labuan, Malaysia
IMO                       9343596

Dimensions

Length Overall            92.95m
Length BP                 86.6m
Breadth                   19.70m
Depth                     7.7m
Maximum Loaded Draft      6.3m
Moonpool                  6m x 5.28m
Gross Tonnage             4724Te

Accommodation

Total Berths              88, Fully Air-conditioned
1 Person Cabin            18
2 Person Cabin            30
4 Person Cabin            2

Machinery

Electric Driven - Power  4 x 1900kW
Electric Driven - Type   4 x Cummins QSK60-D(M)
Propellers                2 x 2600kW LPs Type FT 275-S/WN
System Voltage            690V / 440V / 220V
Main Thrusters            2 x 1000kW LPs Type FT 250H-DL
Emergency Generator       1 x Cummins KTA19DM 485kW

Capacities

Deck Area (excl. Mezz)    800m²
Stern Deck Strength       5 - 10Te/m²
Potable/Fresh Water       1012m³
Fuel Oil                  1140m³

Deck Equipment

Capstans                  2 x 10Te
Tugger Winches            2 x 15t
Deck Cranes               1 x 3Te, 1 x 1Te
Cargo Securing Winch      4 x 3Te pull, 5Te brake holding

Offshore Crane

Type                      Hydramarine AHC Offshore Knuckle Jib Crane
Maximum Lift (Single Fall) SWL 100Te
Maximum Lift (Double Block) SWL 150Te
Whip Line                 SWL 15Te
Personnel Lift Capacity   Available

Dynamic Positioning

DP System                 Kongsberg Simrad SDP22 DP II
References                2 x DGPS, 1 x HiPap 500, 1 x Fanbeam

Speed and Fuel Consumption

Maximum Speed/Consumption  13.5 knots @ 30Te/Day*
Economical Speed/Consumption 11.5 knots @ 25Te/Day*
DP Consumption            6-8Te/Day*
*figures are approximate and may change depending on vessel loading, draft and environmental conditions

ROV’s

Type                      FCI3000 Work Class ROV’s
Power                     150 hp
Depth                     Rating 3000m
Payload                   3000kg
Manipulators              Schilling T4 – 7 function, Shilling Rigmaster 5
Quantity                  2 systems installed onboard, 1 either side

Helicopter Deck

Diameter                  19.5m
Suitable For              Supa Puma Type AS332L2 or equivalent (9.2Te)

Navigation and Communication

Type                      A.C-Band Internet and Communications System is installed on the Vessel

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