

Havila Subsea

7



Type:
IMR, Survey & Light
Construction

Classification:
DNV +1A1, E0, SF, DYNPOS
AUTR, CLEAN DESIGN,
COMFC(3)V(3), NAUT-AW,
HELDK SH, DK +(10), ICE C,
DEICE

The *Havila Subsea* is an advanced IMR, Survey and Light Construction vessel, specially designed to operate in all weather conditions and is also designed to operate in light ice conditions with the class notation Ice C for the hull and the notation DEICE to avoid icing of the vessel.

- Length 98m x breadth 19.8m
- Active heave compensated 150t crane
- Deck area 600m²
- 60t Module Handling System
- 2 x workclass ROVs and 1 x OBSROV
- Accommodation for 78 persons

Havila Subsea

General Description

Classification	DNV +1A1, E0, SF, DYNPOS AUTR, CLEAN DESIGN, COMFC (3)V(3), NAUT-AW, HELDK SH, DK +(10), ICE C, DEICE
Flag	NOR
Year Built	2011

Principal Dimensions

Length Overall	98m
Breadth	19.8m
Depth Main Deck	10m
Operating Draft	6m
Gross Tonnage	7,841t
Transit Speed	16 knots

DP System

DP Classification	DP 2
Reference System	2 x HiPAP, 1 x Cyscan, 2 x DGPS, 2 x Seapath, 2 x MRU, 1 x VRU, 1 x Radius

Power and Propulsion

Main Engines

Number	6
Type	Caterpillar 3516C
Power	2,150kW

Generators

Number	6
Type	SES (Marelli)
Power	2,100kW, Total el. Power: 12,600kW

Propulsion

Number	2
Type	Ulstein Aquamaster AZP120
Power	3,500 kW

Thrusters

Number	2 x Tunnel Thrusters
Type	Kamewa Ulstein TT 2400 DPN
Power	1,500kW
Location	1 x Fwd, 1 x Aft
Number	2 x Retractable Azimuth Thrusters
Type	Ulstein Aquamaster Azimuth Thruster UL2001 FP
Power	1,500kW
Location	2 x Fwd

Comments

NOx SCR catalysers for each main gen. set engines

Main Deck

Clear Deck Area	600m ²
Deck Strength	10t/m ²
Deck cargo	Approx. 1,000t

Capacities

Fuel Oil	1,200m ³
Fresh Water	1,020m ³
Ballast Water	3,700m ³
Drill Water	2,500m ³ (Feed to deck with WB pump)
MEG / Brine	350m ³ (Piping to deck)
Slop Tanks	2 x 25m ³ (Piping to deck)

Accommodation

Berths (No.)	78
Cabins (No.)	The vessel has accommodation for a total of 78 persons (28 double and 22 single cabins)

Helideck

Type	Suitable for a Super Puma or S-92 with D-value of 21 m (26.5m), c/w Environmental, Meteorological and Vessel Data (EMP) system
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Cranes

Main Crane Capacity	1 x 150t at 12m
Max reach	32m
Manufacturer	ODIM
Operating Water Depth	2,000m
AHC at CT	Yes
Whip Line	10t CT, with man riding, wire length 200m
Tugger winches	2 x 5t
Location	Main deck, SB
Main Crane Comments	'Red Book' compliant
Auxiliary Crane Capacity	2 x 2t at 10m Telescopic/foldable
Location	In ROV Hangar
Auxiliary Crane Capacity	1 x 1t Telescopic/Foldable
Location	Main deck
Auxiliary (Cargo) Capacity	1 x 5t @ 10m Knuckle Boom
Location	C-Deck
Auxiliary (Provision) Capacity	1 x 2t @ 10m Telescopic
Location	C-Deck

Moonpool

Moonpool	1
Dimensions	7.2m x 7.2m

Module Handling System

Number of Guidewires	3
Operating Depth	1,000m
Capacity	5t guidewire winches
AHC	All guidewires can be operated in AHC and TC mode

Comments: MHS tower enclosed in hangar with cursor system for controlled launch and recovery of modules (Max. Module Size (L x W x H): 4.5 x 5.5 x 8m)

ROV System

Workclass ROVs	2 x Schilling HD WROVs
Operating Depth Rating	3,000m
ROV Comments	Woclass ROV Systems in ROV Hangar, launched over side by Aframes (ODIM)
OBSROV	1 x Mohican OBSROV
Operating Depth Rating	2,000m
ROV Comments	OBSROV System located on main deck and launched over side by A-frame (Sepro)

RFO

RFO tanks integrated in vessel. RFO pumping spread to be mobilised on project basis.