

HAVILA PHOENIX

SPECIFICATION SHEET



SUBSEA CONSTRUCTION, INSTALLATION & TRENCHING

The Havila Phoenix is a dynamically positioned multi-role ice class construction vessel. The Phoenix is the leading construction, installation and trenching support vessel available for subsea operations and is equipped with 250te active heave compensated offshore crane, 1500m² deck area, 140 berth accommodation and optional 2000te carousel. This combination of features means that this one vessel can perform all of your combined construction and trenching requirements, even in remote locations.

In addition, the vessel is permanently mobilised with the ultimate trenching spread. At the heart of this spread is the T-3200 trencher, an advanced, 3200 horse power, track based machine, equipped with a high sea state handling system. Capable of working in a combination of mechanical cutting and jetting modes, this vehicle offers a step change in burial capability for all sectors of the subsea energy industry. As the world's largest trencher, it offers unrivalled performance in terms of speed, soil conditions and trench depth. A 1000 HP jet trenching ROV and two high specification WROV's provide additional on board capabilities.

The large deck space and optional carousel also provide a leading capability for the installation of flexible product.

KEY FEATURES

- HIGH SEA STATE CAPABILITY WITH INTERRING ANTI ROLLING SYSTEM
- ULTIMATE TRENCHING SPREAD PERMANENTLY MOBILISED
- 2 X IN BUILT 200 HP WORK CLASS ROVS
- 250TE ACTIVE HEAVE COMPENSATED CRANE
- 1500M² DECK AREA, 4500TE DECK LOAD
- 600TE & 2000TE INTERCHANGEABLE CAROUSELS CAN BE MOBILISED
- ACCOMMODATION FOR 140 PEOPLE

The Havila Phoenix is not limited to these parameters and can be modified by DeepOcean to complete works in excess of its current configuration.

GENERAL	
DESIGN	Havyard 858
BUILT	2009
BUILDER	Havyard Leirvik AS, Leirvik, Norway
CLASSIFICATION	DNV + 1A1, EO, DYNPOS AUTR, CLEAN DESIGN, SF, NAUT AW, HELDK SH, ICE C, COMF-V (3), DK (+)

MAIN CHARACTERISTICS	
LENGTH O.A	127.4m
LENGTH B.P	114.6m
BREADTH	23.0m
DESIGN DRAFT	6.25m
MAX SPEED	16.7 knots
ECONOMICAL SPEED	13.0 knots
DECK AREA APPROX.	1500m ²

MAIN EQUIPMENT	
MAIN ENGINES	6 x Caterpillar 3516 C, 2130kW
MAIN GENERATOR	6 x SES 2150 kW/690V/60 Hz
HARBOUR ENGINE	1 x Caterpillar 3508 B, 968 kW
HARBOUR GENERATOR	1 x 900 kW/690V/60Hz
PROPELLERS	2 x Ulstein Aquamaster AZP120
FWD TUNNEL THRUSTERS	2 x Kamewa Ulstein TT 2400
THRUSTER CONTROL	Remote Control System, Helicon X3

DP SYSTEM	
DYNPOS AUTR	Rolls Royce: ICON, DP2
REF. SYSTEM	1 x Cyscan Laser Position Reference Sensor System
OTHER	1 x Veripos VIPS 850. 1 x Wind Sensor, Two-axis ultrasonic anemometer. 1 x Dual Hydro acoustic system HiPAP 500. Tautwire.

ACCOMMODATION	
CABINS	28 Single, 56 Double
FACILITY	6 Offices 2 Conference Rooms 1 Hospital 1 Sky Lobby 1 Offline Room 1 Online Room 1 Heli-Reception

TRENCHING SPREAD & ROV'S	
T3200	3200HP tracked cutting & jetting system. 3.5m trench depths in both hard and soft seabed. High sea state LARS.
T1000	1000HP jet trenching ROV. 3.0m trench depths. 2000m WD. High sea state LARS
WROV	2 x Schilling UHD WROV's. 200HP. 4000m WD

2000TE CAROUSEL

The carousel has been designed to incorporate a deck mounting system that allows efficient mobilisation and demobilisation without the need for welding the carousel structure to the deck.

DECK EQUIPMENT	
WINDLASS	Windlass/mooring winch type BFMX 22052 Max pull 23.66te
TUGGER WINCH	2 x 10 tonnes pull
CAPSTAN	2 x 9 tonnes pull
DECK CRANE	1 x 10te (10m)
OFFSHORE CRANE	1 x 250te AHC Knuckle Jib Crane 1 x 20te AHC Knuckle Jib Crane
ROV HANDLING	2 x ODIM AHC Systems
A FRAME	250te A Frame
DECK LOAD	4500te



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