

Normand Subsea

IMR, Survey
& Light
Construction

i-Tech⁷



Normand Subsea, with its module handling system and extensive moonpool deployed ROV suite is an enclosed hangar, is specifically designed for inspection, maintenance and repairwork.

- Length 113m x breadth 24m
- Deck area 705m²
- 140t AHC crane
- 2 x work-class / 4 x observation class ROVs
- Module handling tower
- Well treatment system

Deeper Challenges,
Wider Horizons

General Information

Classification	DNV+1A1, ICE-1C, SF, COMF-V(2) C(2), HELDK-SH, Crane, Deice, EO, Dynpos-Autr, NAUT-OSV(A), Clean Design, DK(+), Well Stimulation
Built	Flekkefjord, Norway 2009
Flag State Authority	Isle of Man Government
Port of Registry	Douglas

Dimensions

Length	113.05m
Breadth	24m
Depth	11m
Draught (summer)	6.75m
Deadweight	6,300t

Dynamic Positioning Systems

The vessel has DNV notation DYNPOS-AUTR, equivalent with DP Class II, with dual redundant DP system.

The vessel has 3 DP operator stations. 1 main station aft with 2 operator stations and all position reference systems. 1 station forw. with 1 operator station.

Full DP capability operation is also available from port and starboard bridgeway.

DP System	Kongsberg K-Pos
Reference Systems	2 x Seatex DPS 200 GPS 1 x Seapath 200 GPS 2 x Taut wire 2 x HiPaP 500 (Dual) 1 x RadaScan

Tank Capacities (100%)

Fuel Oil (approx)	2,315m ³
Fresh Water (approx)	1,020m ³
Ballast Water (approx)	5,720m ³
Lub. Oil (approx)	30m ³

Manoeuvring & Propulsion Systems

Main Engines / Generators	4 x Wärtsila 8L32 engines with generators, each 3690 kW (Diesel Electric)
Propulsion	2 x Rolls Royce azipull, each 3500kW
Thrusters	1x tunnel forw. Rolls Royce 2000kW 2 x Rolls Royce retractable azimuth thrusters forw., each 1500kW 1 x tunnel aft Rolls Royce, 1500kW

Speed / Consumptions

Economical Speed (approx)	12 knots
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Cargo Deck

Deckspace (approx)	705m ²
Deck Strength	10mt/m ² on maindeck 5mt/m ² inside hangar

Deck Cranes

Main Winch	150t at 11m (double fall) 140t at 11m (single fall) 40t at 30m (single)
Whip Line	24t at 32m (slip to slip) 12t at 32m

ROV Systems

The vessel has 6 ROV handling system - 2 work-class and 4 eyeball - fully integrated and with active heave compensation. 4 ROV systems deployed from enclosed hanger via moonpools and 2 cursor guided ROV systems deployed from port side.

Module Handling System

Module handling tower for 35t (upgradeable to 60t) deployment/recovery in 5 mHs via enclosed moonpool.

Module handling and ROV support to 1,200m depth.

Well Treatment Equipment

Chemical / Acid Storage Tanks	5 tanks, each 20,000L capacity
Chemical / Acid Mixing Tanks	2 tanks, each 10,000L capacity
Injection Pump 1200hp	1000 l/min 345bar
Injection Pump 600hp	320 l/min 345bar

Life Saving Appliances

Lifeboats	2 lifeboats, Norsafe, each 90 persons
Liferafts	6 life rafts, Viking, total capacity 170 persons
MOB / FRC	1 Norsafe

Accommodation

90 persons	
State Cabins	8
Single Cabins	34
Double Cabins	24
Hospital	1

Helideck

The vessel is fitted with an approved and certified helideck. The helideck has a D value of 22.20 and is approved for Sikorsky S-61 and Sikorsky S-92 operations.

Communications

The ship is equipped with all necessary installation and systems for communication onboard a vessel, according to rules, regulations and Buyer requirement. Radio installation according to GMDSS-requirements is provided.