

FLEX SUPPLY



Flex Supply is a new developed basis supply concept satisfying the general demands within the offshore industry with layout and equipment arranged for optimum performance for vessel size between 60 and 70 m length. The design meets the highest standards for safety and environmental friendly sea transportation and is prepared for various special services and notations.

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Marine

The vessel has a 'clean design' notation with double hull to all tanks containing fuel oil and other products harmful to the environment. The cargo section is arranged for various products meeting the demands of the offshore industry, with 700 m² sheltered working deck above. The 3600 DWT vessel is prepared for oil recovery operations according to NOFO standard with a capacity of 1600 m³ spill oil. The deck and installation makes it easy to mobilize for deep sea ROV operation as well as Fire Fighting and Stand By for up to 150 survivors. Finally it has high manoeuvre ability with diesel electric propulsion with azimuth thrusters for Dynamic Positioning (DP II).



Main dimensions

Length Over All	71.60 M
Length Between P.P	61.80 M
Bredth Moulded	17.00 M
Depth Moulded	7.50 M
Design Draught	5.70 M
Scantlings Draught	6.30 M
Deadweight On Design Draught	3000 T
Deadweight On Scantling	3600 T
Gross Tonnage	2560 GT
Design Speed	14.0 Kn
Bollard Pull	50 T

Class notation

DnV +1A1, DYNPOS AUTR, Clean Design, E0, LFL*, SF, Register notation, DK(+), HL(P), Letter of compliance to NAUT-OSV(T)

Prepared for

Fi-Fi
STAND BY OPERATION
OIL REC according to NOFO

Machinery

Diesel-electric propulsion with 4x1400 kW generator sets powering 2x1500 kW stern mounted steer thrusters and 2x800 bow thrusters.

Capacities

Base Oil	140 CuM
Brine	330 CuM
Dry Bulk	420 CuM
Liquid Mud	420 CuM
Slop	110 CuM
Fuel Oil	770 CuM
Fresh Water	580 CuM
Ballast/Drill Water (incl. Brine Tanks)	1430 CuM
Oli Recovery Operation Store Tanks	1600 CuM
Optional Methanol	130 CuM
High level positioned roll damping tank	135 CuM

Working Deck Max. 50.6 x 14.0 Area 700 SqM
Working Deck Capacity,
COG 1.0 M AB Deck 1800 T

Cabins Officers Single/Bath 5
Cabins Crew Single/Bath 6
Cabin Passengers Double/Bath 2

Deck equipment

Safe working deck for 10 t/m² sheltered by flush heavy duty cargo railing well equipped with winces for cargo handling and stern door. All prepared to fulfil NOFO standard as well as requirements for stand-by vessels. A 10 persons FRC is davit mounted free of cargo area.

Grontmij | Carl Bro provides ship design and offers its assistance to ship owners and the shipbuilding and offshore industry worldwide as well as to public institutions and private organizations.

Grontmij | Carl Bro has design experience with almost any type of ship. We cover all aspects of advanced ship design including general ship design, structural design, stability and safety aspects, hull and propulsion optimizations, machinery, vibration and noise analyses etc in accordance with classification rules and IMO requirements.

The employees include naval architects, mechanical and electrical engineers and draughtsman. Our surveyors are qualified as marine engineers or naval architects and are experts on inspecting ships during construction and in service.

Grontmij | Carl Bro is based in Glostrup, Denmark and has an affiliated design office in Shanghai, China.