

UT 755L Design



TECHNICAL OUTLINE SPECIFICATION

MULTIPURPOSE FIELD SUPPLY-, PIPE CARRIER, SPECIAL PURPOSE VESSEL

The vessel has been designed as a Platform Supply Vessel, primarily for transporting pipes, cement, equipment, and cargo to and from pipe-laying barges, drilling platforms, and production platforms. It features a dynamic positioning system from Marine Technologies, making it suitable for global operations. The main propulsion system includes two controllable pitch propellers with reduction gears, each with a power output of 825 kW. The fore ship is equipped with two tunnel thrusters of 800 Hp each, while the aft ship has two tunnel thrusters of 700 Hp each. The main deck offers a cargo area of 51.6 m x 13.2 m with a load capacity of 5.0 t/m².

The bridge has been designed to provide a functional workspace for officers, featuring two maneuver consoles located at the fore and aft ends. Navigation and radio equipment are integrated into the wheelhouse. Accommodation on the vessel includes air-conditioned cabins for up to 24 individuals, with a mix of single, double, and multi-person cabins, along with a hospital room. There are also communal areas such as a mess and day room with TV/HiFi for the crew's comfort. All accommodations meet national regulatory standards.

To enhance stability and crew comfort, the vessel is equipped with four passive stabilizing tanks below the main deck, which help to minimize roll. This design feature allows the vessel to operate more effectively in rough weather and contributes to lower fuel consumption.

MAIN DESCRIPTION	MEASUREMENTS
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Type: MULTIPURPOSE FIELD SUPPLY PLATFORM SUPPLY VESSEL	Lenght o.a. : 71,90m
	Lenght b.p.p. : 66,80m
	Breadth mld. : 16,00m
Classification : DnV +1A1, Fire Fighter I, CLEAN,	Depth Main dk. : 7,00m
DK(+), DYNPOS AUTR, E0, HL (2,5), Ice (C),	Draught, max. SWL : 5,81m
LFL(*), OILREC, SF, TMON	Design Draught : 5,0 m
	DWT at SWL freeboard : 3184T
	Gross Tonnage : 2152T
	Net Tonnage : 1003T
	Deck load,VCG 1m a.dk. : 1530T

CARGO CAPACITIES	DISCHARGE RATES
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Work/Cargo Deck area: 693 m² L 51,6 mtr B 13,2 mtr
Usable Deck area: 660m²
Deck strength: 5t/m²

Fresh Water : 460m ³	0-250m ³ /hour -	9 bar
Fuel Oil : 1029m ³ @ 90%	- 6472 bbl	200m ³ /hour - 9 bar
Liquid mud : 993m ³ Sg. 2,8 , 10 comb tks	- 6245 bbl	2x 0-75m ³ /hour - 18 bar
Brine : 397m ³ Sg. 2,8 , 10 comb tks	- 2497 bbl	0-75m ³ /hour - 18 bar
ORO : 662m ³	- 4163 bbl	2 x 0-250m ³ 9 bar
DW : 975m ³		200m ³ /hour - 9 bar
BW : 975m ³		250 m ³ /hour - 9 bar
Methanol : 145m ³ 4 tanks	- 912 bbl	2 x 0-80m ³ /hour - 9 bar
Baseoil : 208m ³ 2 tanks	- 1308 bbl	150 ³ /hour - 9 bar
Cement/barite : 320m ³ 4 tanks	- 11300 Ft ³	2 x compr.25,6 m ³ /min.-5.6 bar 2x100te/hr
Foam : 800l		

Height of cargo rail: 3m
Stern gate with opening
All mud / brine tanks have agitators..
Flow meter for Fuel Oil (w. print) and FW.
Loading and discharge stations on both sides amidships and aft.

MACHINERY -PROPULSION	PERFORMANCE @ draft 4,8m
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Maine eng. : 2 x RR Marine Type KRMB-9 2005 kW each	Full speed : 14,4 kts ~ 19,9 mt/day
Shaft gen : 2 x Stamford 1280 KVA each	Eco speed/cons. : 12 kts ~ 10 mt /day
Aux.gen. : 2x Cat 3406A w Cat SR4-449 260kw each	DP Operation : 5 - 7 t/day
Emergency gen.: 1 x 123,8 kW	Port consumption : 0,8 t/day
Propeller Plant : 2 x Twin CP RR Marine, 4 blades, Ø 2,9m	
Bow thruster : 2 x 590 kW	
Stern thrusters : 2 x 590 kW	

DECK/RESCUE EQUIPMENT

Lifesaving equipment according to NMA requirement
Rescue Boat: 1 off Norsafe Midget 5.0 MOB w/ 25hp
Life rafts : 2x30men at each side of the ship
Survival Suits for 56 persons.
Life rafts : 2x30men at each side of the ship
Tugger Winches : 2 x 10 tonnes
Capstans: 2 x 8t
Windl./Mooring : 2 el.hydr.
Cranes boat deck : 1 off 3t @ 16mte

ACCOMMODATION

Total : 24 persons
Cabins : 12 x 1 (single) bed cabins
Cabins : 4 x 2 (double) bed cabins
Cabins : 1 x 4 bed cabin
Day room : 1 off, Forecastle Deck
Mess room : 1 off, Forecastle Deck
Hospital : 1 off + ward
Reception : 1 off, Main deck
Laundry : 1 off, Forecastle Deck

REEFER SOCKETS ON MAIN DECK:

1. CUHN 216-6 6H 220 – 250 V AC 16 A - 3 sockets
2. CUHN 332-6 6H 380 – 415 V AC 32 A - 4 sockets

Ceeform Sockets in Bosun store;

Cat. No.	Volts	Pole	Amp	H
743640	220/250	3	16	6
743654	380/415	4	32	6



NAVIGATION EQUIPMENT

1 off S-Band ARPA radar
1 off X-Band ARPA radar & interswitch
1 off Direction finder (VHF & MF)
1 x set DPS700 + Loran C
1 x ECDIS system
3 x Gyro
1 off Echo Sounder
1 x Navtex receiver
1 off DP system AUTR
2 off MRU's
2 off Wind sensors
1 off Laser DP reference system

COMMUNICATION EQUIPMENT

According to GMDSS A3
1 x MF/HF Radio w/radio telex & DSC
1 x Satcom «F» w/ telex & fax
1 x Watch keeping receiver
2 x VHF duplex & DSC
1 x VHF semiduplex /4 x VHF portable
2 x Mobile telephone
1 x intercom w/radio / loudhailer
LAN arranged in accommodation.
Various communications equipment

TELEPHONE SWITCH BOARD:

FIRE FIGHTING SYSTEM:

- Lines in: Satcom «F», Mobilitel. GSM, VHF, Sevsat, FBB 500
- Lines out: Bridge, Eng.ctrl room

According to Class requirement

Fire fighting in Engine Room by CO2

