



MV”Energy Scout” Of UT 755L Design



**TECHNICAL OUTLINE SPECIFICATION
MULTIPURPOSE FIELD SUPPLY-, PIPE CARRIER & ROV- SHIP**
Rev.: 18/02/2020

**Yard Hull # 33 at Aker Brevik
Delivery 27.01.2005**

Name of ship: Energy Scout
Port of registry: Ålesund
Distinctive number or letters: LMWM3
IMO Number: 9322188
Maritime Mobile Service Identity (MMSI): 257 879 000
DNV GL Id : 25595

MAIN DESCRIPTION

Type : MULTIPURPOSE FIELD SUPPLY
PLATFORM SUPPLY VESSEL

Classification : DnV +1A1, Fire Fighter I, CLEAN,
DK(+), DYNPOS AUTR, E0, HL (2,5),
Ice (C), LFL (*), OILREC, SF, TMON

ERN: 99.99.60

MEASUREMENTS

Lenght o.a. : 71,90m
Lenght b.p.p. : 66,80m
Breadth mld. : 16,00m
Depth Main dk. : 7,00m
Draught, max. SWL : 5,81m
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

Work/Cargo Deck area: 693 m² L 51,6 mtr B 13,2 mtr

Deck strength : 5 t/m²

Fresh Water : 460m³

Fuel Oil : 1029m³

Liquid mud : 993m³

Brine : 397m³

ORO : 1080m³

Drill water : 975m³

Water ballast : 975m³

Methanol : 145m³

Special Products/ : 208m³(base oil)

Dry Bulk : 320m³

DISCHARGE RATES

4'' 1 x 0 - 250 m³/hour - 9 bar

4'' 1 x 200 m³/hour - 9 bar

4'' 2x 0-75m³/hr-18bar

4'' 1 x 0 - 75 m³/hour - 18 bar

5'' 2 x 0 - 250 m³/hour - 9 bar (comb.F.O./BW)

4'' 1 x 0 - 200 m³/hour - 9 bar

4'' 1 x 0 - 250 m³/hour - 9 bar

4'' 2 x 0 - 80 m³/hour - 9 bar

4'' 1 x 0 - 150 m³/hour - 9 bar

5'' 2 x compr.25,6 m³/min.-5.6 bar: 2x100te/hr.

All mud tanks have agitators

Vessel have Nitrogen generator Kaeser Type: SX6, 500l/h, 7,5 bar
2 of Roll Reduction tank Type Rolls Royce .

MACHINERY / PROPULSION

Maine eng. : 2 x RR Marine Type KRMB-9 2005 kW each.
Shaft gen : 2 x Stamford 1280 KVA each
Propeller Plant : 2 x Twin CP RR Marine, 4 blades, 2900mm Ø

Bow thruster : 2 x 590 kW
Sternthrusters : 2 x 590 kW
Emergency gen. : 1 x 123,8 ekW /

PERFORMANCE

Max speed, approx. : 14,4 knots/19,9 mt.

Econ speed/consumpt. : 12 kn. ~10t/day
: 10 kn -6,5 t/day.

DP operation : 5 - 7 t/day
Port consumption : 0,8 t/day

DECK/RESCUE EQUIPMENT

Tugger Winches : 2 x 10 tonnes

FIFI 1: 2 x 1500m³/h, throw length 120m

Capstans: 2 x 8t

Windl./Mooring : 2 el.hyd driven

Cranes boat deck : 1 off 3t @ 16mte

Coffee shop : 1 off, main deck

1 off Fast Rescue Craft: MOB with 60hp engine.

Life rafts : 2x30men at each side of the ship

Survival Suits for 56 persons.

Lifesaving equipment according to NMD rule requirements.

Stern gate with opening

ACCOMMODATION

Total : 24 persons

Cabins : 12 x 1 (single) bed cabins

Cabins : 4 x 2 (double) bed cabins

Cabins : 1 x 4 bed

Mess / dayroom : Seating for 15 persons

Hospital : 1 off + ward

Reception : 1 off, main deck

Deck office : 1off,

Reefer Sockets in cargo rail;

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 x X - band Radar ARPA

1 x S - band Radar ARPA & interswitch

2 x Direction finder (VHF and MF)

1 x DGPS 700 + Loran C

3 x Gyro / Autopilot

1 x Echo-sounder

1 x Navtex-receiver

1 x ECS

DP reference systems: 2xDGPS, 2xMRU, 1x Fanbeam

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.

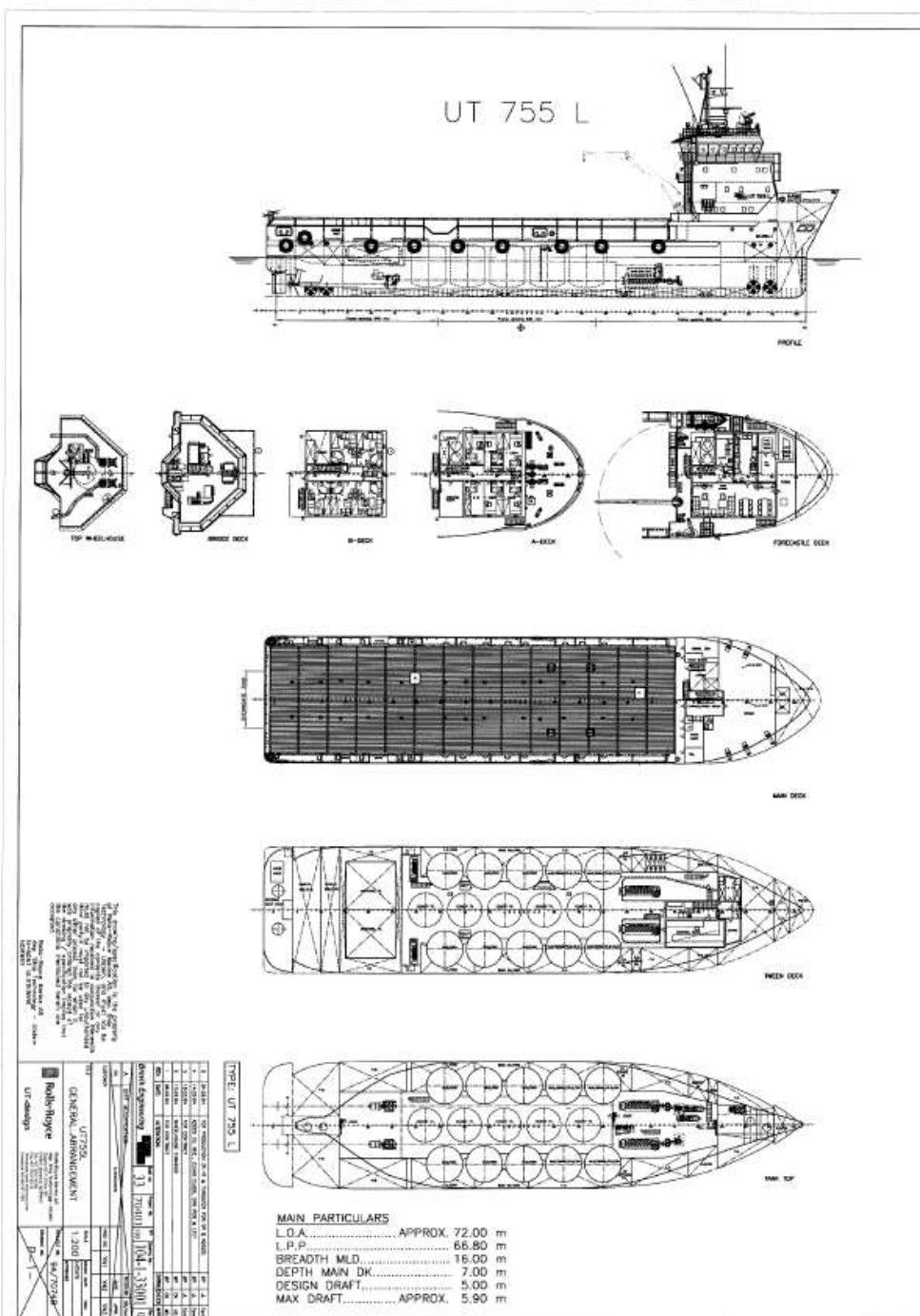


TELEPHONE SWITCH BOARD:

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

FIRE FIGHTING SYSTEM:

According to Class requirement



Energy Scout

PLATFORM SUPPLY VESSEL

Energy Scout has been designed as a Platform Supply Vessel. The ship is in general a pipe supply vessel and is able to fulfill the general demands of the offshore industry. The vessel has been designed and equipped for the following duties; transporting pipes, cement, equipment and cargo to and from pipe-laying barges, drilling platforms and production platforms. The vessel is equipped with IMO class 2 dynamic position system from Marine Technologies. This makes Energy Scout a vessel for World Wide services. As main propulsion the vessel is equipped with two controllable pitch propellers KaMeWa Ulstein reduction gears, 825 kW each. On the fore ship the vessel has two tunnel thrusters, 800 Hp each. Aft ship there is two tunnel thrusters, 700 Hp. Main deck is arranged for cargo deck with a free area of 51,6 m x 13,2 m and a cargo load of 5,0 t/m². The bridge arrangement has been constructed by experienced engineers making the bridge a good workplace for the officers. Energy Scout has two maneuver consoles: One in the fore-end and one in the aft-end of the bridge. Navigation and radio space are arranged as part of the wheelhouse. The ship's accommodation is emphasized to be as tasteful and practical as possible. Energy Scout has cabin capacity for a total of 24 persons; 12 single, 4 double and one 4 man cabins + hospital. The accommodation is air-conditioned for crew and passenger's well-being. Mess and day room with TV/HiFi are available for the vessel complement. The accommodation fulfils National Authorities rules and regulations. The vessel is built with an integrated system of four passive stabilizing tanks below main deck for minimizing roll. This has resulted in a significant improvement in the crew comfort but it also allows the vessels to remain along the platforms in heavier weather than many other vessels. It also benefits in lower fuel consumption.



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