

UT-Design™

UT 776 WP – Platform Supply Vessel



UT 776 WP - General

This specification together with general arrangement plan describes a Platform Supply Vessel of UT-Design™ type UT 776 WP which is designed for satisfying the general demands of the offshore industry.

The vessel to be designed and equipped for following duties:

- Carrying and unloading to rigs and production platforms, pipe laying barges etc.:
- Deck cargo
- Pipes on deck
- Liquid cargo(maximum 800 m³ of hazardous and noxious liquid like brine, mud etc.)
- Cement / Barite
- Oil recovery according to NOFO 2009
- Rescue operations (NMD 150)

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We deliver fully integrated ship systems comprising innovative and well proven

products customised to the individual ship and it's specific operation, ensuring an optimum solution for any application.

Whether you choose complete ship systems or less comprehensive solutions, you will always have the advantage of our special competence and technology.

Fact sheet

UT 776 WP – Platform Supply Vessel

General:

This specification together with general arrangement plan describes a Platform Supply Vessel of UT-Design™ type UT 776 WP which is designed for satisfying the general demands of the offshore industry.

Main Particulars:

Length overall	approx.	91,7 m
Length between p.p.	approx.	82,8 m
Breadth moulded	approx.	20,0 m
Depth main deck	approx.	8,2 m
Design draft	approx.	6,0 m
Max. draft midship	approx.	6,8 m
Draft with 2,0 m freeboard	approx.	6,2 m

Tank Capacities:

Ballast water	approx.	1850 m3
Drillwater	approx.	1850 m3
Freshwater	approx.	1000 m3
Dry bulk cargo tanks (cement)	approx.	350 m3
Base oil	approx.	180 m3
Fuel oil incl Base oil (cargo and domestic)	approx.	1060 m3
Liquid Mud (6 tanks)	approx.	900 m3
Liquid Brine (4 tanks)	approx.	600 m3
Methanol/Special Prod(4 tanks)	approx.	340 m3
Recovered oil (NOFO 2009)	approx.	1500 m3
Cargo deck area (10 t /m2)	approx.	1030 m2
Deck cargo (G=1.0 m above deck)	approx.	2700 T
Deadweight at summer-draught	approx.	5000 T
Gross Tonnage (1969) Intern. Above		4000 GRT

Class:

Det Norske Veritas +1A1, E0, SF, Offshore Service Vessel Supply, DK(+), HL(2.8), LFL*, DYNPOS AUTR, CLEAN DESIGN, COMF-V(2), NAUT-OSV(A), OILREC, BWM-T, STANDBY-VESSEL (150), Winterization Basic, ICE 1C

Option:

ICE 1B

Option end

Performance:

Service Speed at d= 6,0 m:	Approx. 12-15 knots
Trial Speed at d= 4,0 m	Approx. 17,0 knots
Economic speed :	Approx. 11-13 knots

Cargo Discharge Pumps:

2 x Ballast/Drill water	Cap.: 250 m3/h - 9 bar
2 x Fuel (ORO)	Cap.: 250 m3/h - 9 bar
2 x Freshwater	Cap.: 250 m3/h - 9 bar
2 x Brine	Cap.: 100 m3/h - 24 bar each
3 x Liquid mud (ORO)	Cap.: 100 m3/h - 24 bar each
1 x Base oil	Cap.: 75 m3/h - 9 bar each
4 x Methanol/Special Product	Cap.: 75 m3/h - 9 bar each

Side Thrusters:

- 1 x TT 2200 DPN FP SuperSilent, 883 kW
- 1 x TCNS 73/M-180 FP, 880 kW

Roll Reduction System:

Two off Rolls-Royce Marine's type roll reduction tanks.

DP-System:

A DP system, making the vessel comply with DNV notation DYNPOS AUTR to be arranged.

Communication Equipment:

Radio installation according to GMDSS, A3 and of latest modern and practical navigation equipment available according to separate specification.

Winches/Cranes:

One double windlass/mooring winch
Two 15 tonnes tugger winches
Two 10 tonnes capstans
Two deck Cranes 10 tonnes - 8-14 m.arm. (approved by NMD for rescue basket operations)

Safety Equipment:

The vessel to have safety equipment according to SOLAS for min. 27 persons.

Accommodation:

The vessel to have accommodation and equipment for 27 persons.

Main Azimuth Thrusters:

2 x Rolls-Royce Marine's CP Compass Thruster Systems, Azipull120 FP, with the following particulars:
Electric motor output : 0 - 2500 kW each
Rated speed : 0 - 1200 rpm
Propeller diameter : 3200 mm

Main Generator Set:

Four off Rolls-Royce Marine's main generator sets.
4 x Bergen Diesel C25:33L6ACD
MCR approx. : 4 x 1843 kW
Rating approx. : 4 x 2048 kVA
Voltage : 690 V / 60 Hz

Generator Sets:

1 off Harbour generator set:
600 kW / 750 kVA, 690V, 60 Hz



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