

T-TYPE

ANCHOR HANDLING TUG SUPPLY VESSEL



MAERSK
SUPPLY SERVICE

Maersk Supply Service serves the offshore industry world wide with more than 60 vessels manned by approximately 2000 crew and supported by 220 onshore staff worldwide represented in all main deepwater regions.

The fleet includes craned offshore support vessels, anchor handling tug supply vessels, platform supply vessels and subsea support vessels.

Our focus areas are operations in ultra deep water, support of offshore platforms, rigs, barges as well as subsea services. Work scopes include amongst other things:

- Deep water anchor handling and mooring installations
- Subsea support/ROV support/Crane
- Ploughing/trenching operations
- General supply operations
- Special projects
- Rig moves

DNV class notation "CLEAN DESIGN"

The vessel has been designed and built to minimise the impact to the environment. It has the DNV class notation "CLEAN DESIGN" which has significantly more stringent levels for emissions to the air and discharge to the sea than either IMO or flag state require.

Low levels of NOX and SOX emissions to the air are achieved by more efficient engine combustion. Other ship systems

which could cause emissions, such as ship fire fighting and refrigeration, use agents which cause less harm to the environment. The most important factor in the ship to prevent pollution to the sea is the truly double hull design in which all oils and other potential pollutants are contained in tanks within the main hull and not in double bottom or side tanks.





Vessel names / built:
Mærsk Topper / 2008
Mærsk Trader / 2008

Mærsk Tackler / 2009
Mærsk Tender / 2009

Mærsk Terrier / 2009
Mærsk Tracer / 2009

Mærsk Tracker / 2009
Mærsk Transporter / 2009

Mærsk Traveller / 2009
Mærsk Trimmer / 2009

Technical specifications

Classification

Classification	DNV
	+1A1, Tug Supply Vessel
	OILREC, COMF-V(2)C(2)
	EO, DYNPOS-AUTR
	CLEAN DESIGN
	BIS, TMON

Deadweight/Tonnage

Deadweight	3,500 ts (3,100 ts Mærsk Topper)
Gross tonnage	4,678 gt

Dimensions

Length o.a./p.p.	73.20 m / 64.20 m
Breadth moulded	20.00 m
Depth moulded	7.50 m excl. skeg / 8.40 m max. incl. 0.90 m skeg aft
Summer draft, max.	7.75 m
Freeboard at max. draft	1.35 m

Firefighting

FiFi 1, 2,400 m³/hour

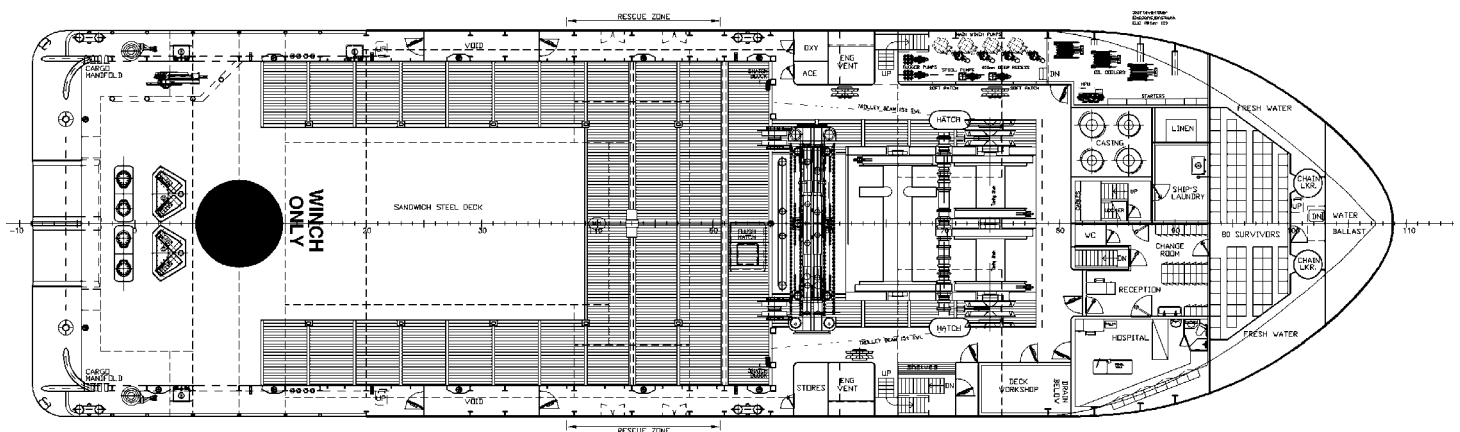
Accommodation

Capacity	30 persons total incl. crew
	14 single cabins
	8 double cabins

Towing/Anchor handling equipment

Make	Rauma
Type	SL 400W-3T
Drums	3 with spooling device
AH drum	Max. pull 400 ts
	Capacity 8,500 m x 77 mm wire
Towing drums	2 x max. pull 400 ts
	Capacity of each drum 8,500 m x 77 mm wire
Secondary winch	1 x 145 ts (Mærsk Topper)
Chain lockers	1 x 245 m ³ and 1 x 264 m ³
Shark jaws	2 x 700 ts Triplex
Stern roller	2 x 3.00 m x 3.00 m
Towing pins	2 x 200 ts Triplex
Wild cats	Up to 165 mm can be fitted
Wire stopper pins	2 x 170 ts SP60

Main deck



MOB/Work boat	
MOB boat	Norsafe with 40 hp gasoline outboard engine
Work boat	Norsafe with 40 hp gasoline outboard engine

Deck load capacities	
Deck load	1,030 ts
Deck length	35.80 m
Deck breadth	16.80 m
Deck area	600 m ²
Deck strength	Aft of frame #39 (29.00 m from stern roller) 15 ts/m ² . Otherwise 10 ts/m ² .
Cargo rail height	3.00 m

Deck equipment	
Capstans	2 x 15 ts
Cranes	2 x 13 ts x 12 m midship 1 x 2 ts x 12 m aft deck
Tugger winches	2 x 17 ts

Propulsion/Bollard pull	
Main engines	2 x MAN B&W 8L27/38 2 x MAN B&W 7L27/38
Total BHP	15,300
Bollard pull	165-181 ts
Propellers	2 x controllable pitch with fixed nozzles
Thrusters forward	2 x 1,200 BHP Tunnel
Thrusters aft	2 x 670 BHP Tunnel

Speed/Consumption	
Max. speed/consumption	15.0 knots at abt. 39 ts/24 hours
Eco. speed/consumption	10.0 knots at abt. 9 ts/24 hours 11.0 knots at abt. 10.5 ts/24 hours 12.0 knots at abt. 12.5 ts/24 hours

Dynamic Positioning	
Dynamic positioning	DP 2
Reference system	DGPS, Laser fan beam, HIPAP

Cargo discharge rates	
Base oil	125 m ³ /hour at 9 bar
Brine	2 x 75 m ³ /hour at 24 bar
Bulk cargo	2 x 30.5 m ³ at 6 bar
Drill water	250 m ³ /hour at 9 bar
Fresh water	250 m ³ /hour at 9 bar
Gas oil	250 m ³ /hour at 9 bar
Mud	2 x 75 m ³ /hour at 24 bar

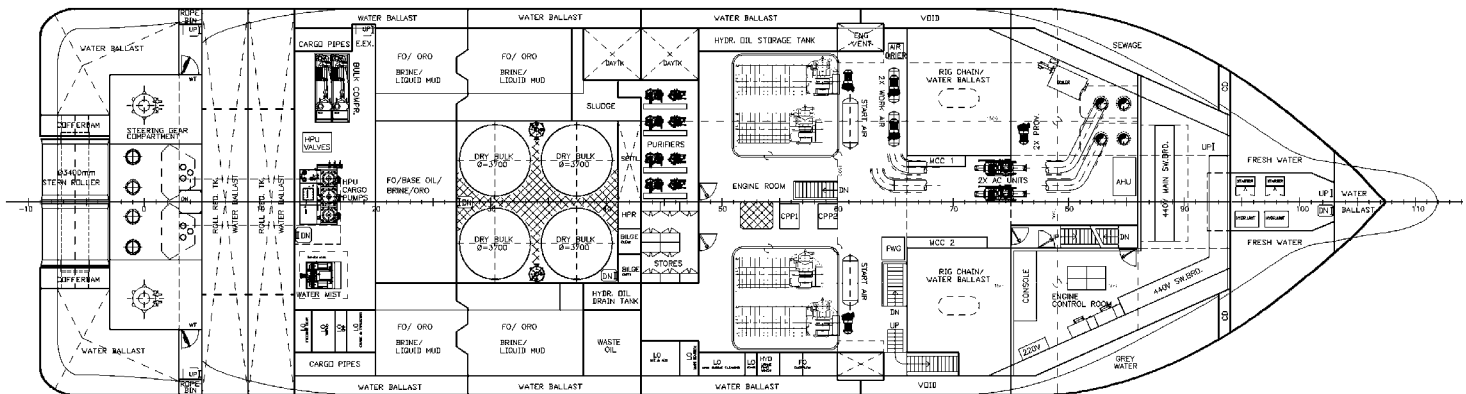


Tank plan specification

NAME	DES	VOLUME m ³	FW (SG=1.0) WEIGHT mts	FO (SG=0.86) WEIGHT mts	BASE OIL (SG=0.86) WEIGHT mts	CARGO FO (SG=0.86) WEIGHT mts	BRINE (SG=2.0) WEIGHT mts	ORO (SG=1.0) WEIGHT mts	LIQUID MUD (SG=2.8) WEIGHT mts	DRY BULK (SG=2.5) WEIGHT mts
11P	WING TK PS	145	145							
12S	WING TK SB	145	145							
403P	FW DOUBLE BOT. PS	58	58							
404S	FW DOUBLE BOT. SB	51	51							
503P	FW DOUBLE BOT. PS	36	36							
504S	FW DOUBLE BOT. SB	36	36							
71P	FW AFT PS	73	73							
72S	FW AFT SB	73	73							
21P	DEEP TK PS	35		30						
22S	DEEP TK SB	143		123						
25P	DEEP TK PS	108		93						
509P	Multi Purpose Cargo TK	185				159	370	185	521	
510S	Multi Purpose Cargo TK	197				170	394	197	553	
601P	Multi Purpose Cargo TK	128				110	256	128	359	
602S	Multi Purpose Cargo TK	128				110	256	128	359	
60C	Multi Purpose Cargo TK	129			111	111	258	129		
505P	DryBulkTK No.1 C	52								129
506S	DryBulkTK No.2 C	52								129
507P	DryBulkTK No.3 C	52								129
508S	DryBulkTK No.4 C	52								129
WEIGHT in mts			618	246	111	660	1,534	767	1,793	518
VOLUME in m ³			618	286	129	767	767	767	638	207

All basis 100 % volume

Tween deck





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