



ENVIROMAX 310 PLATFORM SUPPLY VESSEL

Vessel Characteristics

Length, Overall:	310 ft	94.5 m
Beam:	62 ft	18.9 m
Depth:	25.9 ft	7.9 m
Maximum Draft:	21.3 ft	6.5 m
Light Draft:	7.6 ft	2.3 m
Minimum Height:	88.1 ft	26.9 m
Freeboard:	4.6 ft	1.4 m
Displacement:	9,070 lt	9,220 mt
Deadweight:	6,330 lt	6,430 mt
Clear Deck Space:	215 x 53 ft	66 x 16 m
Clear Deck Area:	11,400 ft ²	1,060 m ²
Deck Strength AFT:	1,020 lb/ft ²	5 t/m ²
Class Notations:	ABS: +A1, +AMS, +ACCU, (E), OSV, MLC-ACCOM, UWILD, GP, ENVIRO, +DPS-2, FFV-1, HDC, POT, SUPPLY-HNLS, HLC, NVIC 2-95 ACP	

Capacities

Deck Cargo:	3,500 lt	3,560 t
Fuel Oil:	394,000 gal	1,490 m ³
Potable Water:	67,200 gal	250 m ³
Fresh Water:	618,000 gal	2,340 m ³
Drill/Ballast Water:	91,600 gal	350 m ³
Bulk Tanks (8 tanks):	15,200 ft ³	430 m ³
Liquid Mud (2.6 SG*):	21,500 bbl	3,420 m ³
*Max Structural Specific Gravity		
Methanol:	2,450 bbl	390 m ³

TIDEWATER

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Pg.2 Further Specifications

Pg.4 Capacity Table

Pg.3 General Arrangement

Pg.5 DP Capability Plot



Machinery

Diesel Electric Vessel			
Propulsive/Total HP:	6,710 / 11,300		
Z-Drives:	Yes		
Propellers (2):	SCHOTTEL SRP4000FPP, ELECTRIC DRIVEN, 2500KW		
Kort Nozzles:	2		
Primary Generators (4):	2,100 kw	690 v	60 hz
Driven by:	CATERPILLAR 3516C		
Emergency Generators (1):	420 kw	480 v	60 hz
Driven by:	CATERPILLAR C18 DITA		
Bow Thruster (2):	SCHOTTEL STT 4 FPP TT		
Driven by:	1180KW ELECTRIC MOTOR		
Total Thrust:	39.6 st	35.9 mt	

Deck Equipment

Anchors (2):	2295 kg B HIGH HOLD BALANCED
Anchor Chain:	250 m of 50.8 mm chain per side
Windlass:	Electro-Hydraulic 12.5T@ 0-9m/min
Crane (1):	5 t @ 7 m

Accommodations

No. of Berths:	44
Cabins:	12x1-man & 16x2-man
Certified to Carry:	44
Galley seating:	28
Hospital:	Yes

Registration

Flag: UNITED STATES	Home Port: NEW ORLEANS, LA	
Hull Number: 150	IMO N ^o : 9779214	
Year Built: 2016	Call Sign: WSOZ	
Builder:	THOMA SEA MARINE CONT.	
Tonnage (ITC):	4379 GT	1313 NT

Performance*

Fuel Consumption Vs Speed		
Maximum:	29.1 m³/day (320 gph) @ 14 knots	
Cruising:	20 m³/day (220 gph) @ 12 knots	
Economical:	11.6 m³/day (130 gph) @ 10 knots	
Standby:	2.6 m³/day (29 gph) @ 0 knots	
Range @ 12 Knots:	18,900 nm	
Transfer Rates		
Fuel Oil:	660 gpm @ 260 ft	150 m³/h @ 80 m
Drill/Ballast Water:	660 gpm @ 260 ft	150 m³/h @ 80 m
Bulk:	32 cfm @ 190 ft	54.3 m³/h @ 57 m
Liquid Mud:	1000 gpm @ 230 ft	230 m³/h @ 68.6 m
Methanol:	330 gpm @ 300 ft	75 m³/h @ 92 m

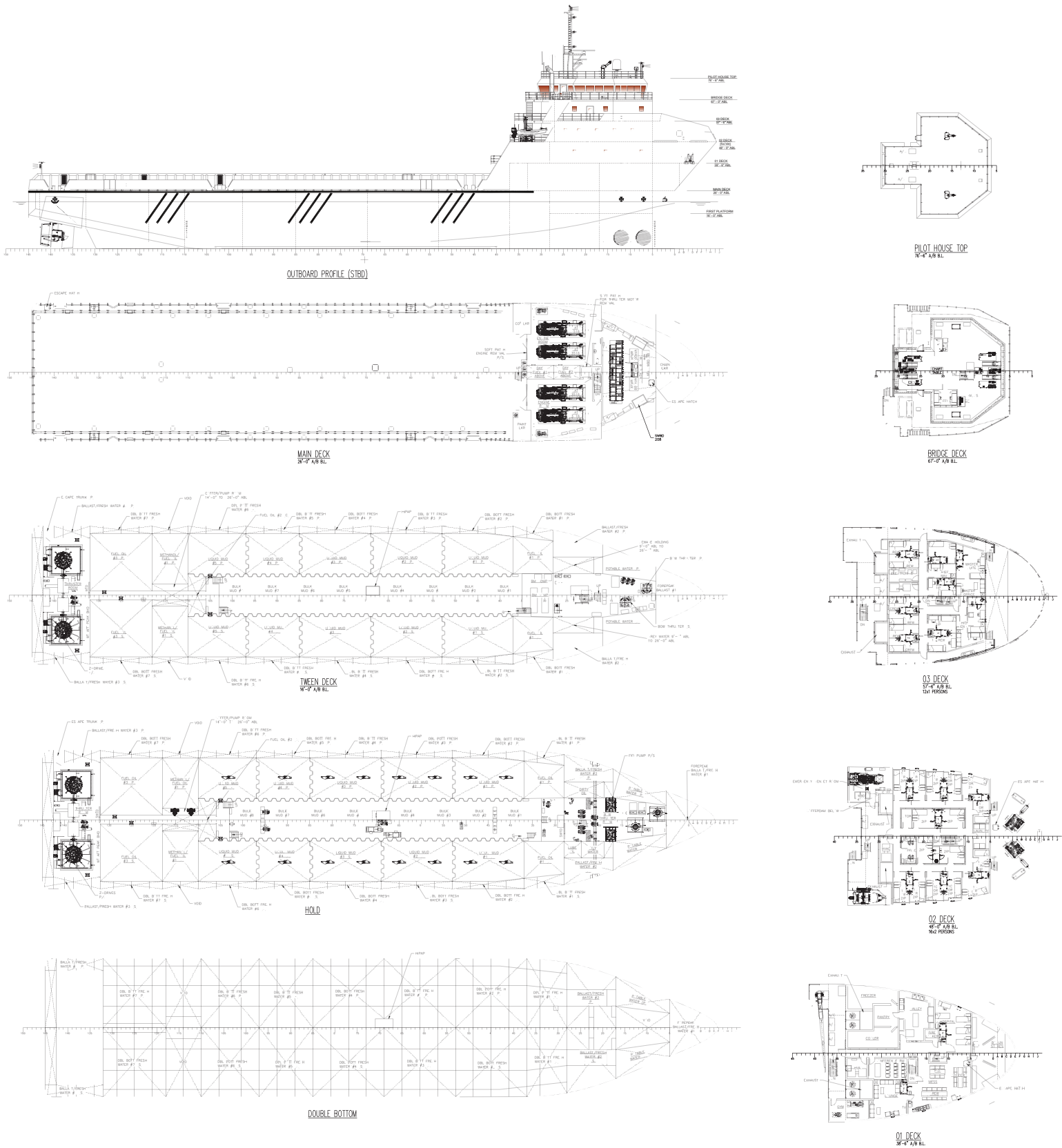
Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Wind Speed Indicators:	3
Doppler Log:	1
Radio:	2 x VHF; 1 x SSB

Special Equipment

Firefighting:	FiFi-1
Dynamic Positioning:	DP-2
Ref. Systems:	3 x MRU; 2 x DGPS 1 x Microwave-based; 1 x Laser-based
Water Maker:	1X10.5T/DAY
Mud Mixers:	Yes
Tank Cleaning:	Yes
Rescue Boat:	4.5M SOLAS MOB
Fuel Monitoring:	FuelTrax
Reefer Sockets:	3x 480V 50A 60Hz
Misc:	MSD-48 PERSONS; GYM; BLUEDRIVE PLUS C

*Approximate values assuming Ideal Conditions





Tank	Contents	Volume m ³	Base Oil	Fuel Oil	Dry Bulk	DW/WB	Potable Water	Fresh Water	Brine	Liquid Mud	Methanol	Lube Oil	Foam	Oil Disp.
1 FP BW/FW	DW/WB/FW	177.9				177.9								
2 BW/FW P	DW/WB/FW	192.7				192.7		192.7						
2 BW/FW S	DW/WB/FW	192.7				192.7		192.7						
3 AP BW/FW P	DW/WB/FW	80.3				80.3								
3 AP BW/FW S	DW/WB/FW	88.6				88.6								
1 DB FW P	FW	103.7						103.7						
1 DB FW S	FW	103.7						103.7						
2 DB FW P	FW	162.8						162.8						
2 DB FW S	FW	162.8						162.8						
3 DB FW P	FW	159.2						159.2						
3 DB FW S	FW	159.2						159.2						
4 DB FW P	FW	159.2						159.2						
4 DB FW S	FW	159.2						159.2						
5 DB FW P	FW	119.4						119.4						
5 DB FW S	FW	119.4						119.4						
6 DB FW P	FW	134.9						134.9						
6 DB FW S	FW	134.9						134.9						
7 DB FW P	FW	138.4						138.4						
7 DB FW S	FW	138.4						138.4						
POT WATER P	Ship's FW	127.2					127.2							
POT WATER S	Ship's FW	127.2					127.2							
Meth/FO Tk P	METH/FO	194.9		194.9							194.9			
Meth/FO Tk S	METH/FO	194.9		194.9							194.9			
1 Fuel Tk P	FO	176.7		176.7										
1 Fuel Tk S	FO	176.7		176.7										
2 Fuel Tk C	FO	126.8		126.8										
3 Fuel Tk P	FO	311.4		311.4										
3 Fuel Tk S	FO	311.4		311.4										
FO Day 1 Tk C	FO	25.1		25.1										
FO Day 2 Tk C	FO	25.1		25.1										
1 LM Tk P	LM	371.9								371.9				
1 LM Tk S	LM	371.9								371.9				
2 LM Tk P	LM	376.8								376.8				
2 LM Tk S	LM	376.8								376.8				
3 LM Tk P	LM	376.8								376.8				
3 LM Tk S	LM	376.8								376.8				
4 LM Tk P	LM	259.1								259.1				
4 LM Tk S	LM	259.1								259.1				
5 LM Tk P	LM	324.8								324.8				
5 LM Tk S	LM	324.8								324.8				
Lube Oil	LO	9.0										9.0		
Dry Bulk 1	Dry Bulk	53.7			53.7									
Dry Bulk 2	Dry Bulk	53.7			53.7									
Dry Bulk 3	Dry Bulk	53.7			53.7									
Dry Bulk 4	Dry Bulk	53.7			53.7									
Dry Bulk 5	Dry Bulk	53.7			53.7									
Dry Bulk 6	Dry Bulk	53.7			53.7									
Dry Bulk 7	Dry Bulk	53.7			53.7									
Dry Bulk 8	Dry Bulk	53.7			53.7									
Total Volume [m ³]			0.0	1,542.9	429.7	732.3	254.5	2,340.4	0.0	3,418.9	389.8	9.0	0.0	0.0
Spec Sheet Total Volume [m ³]			0.0	1,492.7	429.7	346.8	254.5	2,340.4	0.0	3,418.9	389.8	9.0	0.0	0.0

*Capacities shown are for lead vessel. Actual capacities may vary slightly.

*Capacities shown in **RED** are excluded from the total volume.

*Capacities shown in **BLUE** are included in another Tank's Capacity.

*Capacities shown in **GREEN** are counted for multiple Tank Capacities.



KONGSBERG

DP Capability Plot
THOMA-SEA HULL 150

Case number : 1
Case description : Optimum use of all thrusters
Thrusters active : T1-T4
Rudders active :

Table with 2 main sections: General vessel data and Thruster specifications. Includes fields like Version, Input file reference, Length overall, Displacement, Wind load coefficients, and a detailed thruster table with columns for Thruster, X, Y, F+, F-, Max, Pe, and Rudder.

