



## THOMA-SEA 272 PLATFORM SUPPLY VESSEL

### Vessel Characteristics

Length, Overall:	272 ft	82.9 m
Beam:	58.1 ft	17.7 m
Depth:	20 ft	6.1 m
Maximum Draft:	16.4 ft	5 m
Light Draft:	6.9 ft	2.1 m
Minimum Height:	85.1 ft	25.9 m
Freeboard:	3.3 ft	1 m
Displacement:	5,650 lt	5,740 mt
Deadweight:	3,520 lt	3,580 mt
Clear Deck Space:	190 x 51 ft	58 x 16 m
Clear Deck Area:	9,450 ft <sup>2</sup>	880 m <sup>2</sup>
Deck Strength AFT:	1,020 lb/ft <sup>2</sup>	5 t/m <sup>2</sup>
Class Notations:	ABS: +A1, FIFI-1, OSV, (E), +AMS, +ACCU, +DPS-2, UWILD, NVIC 2-95 Change 2 ACP, ENVIRO, GP	

### Capacities

Deck Cargo:	2,250 lt	2,290 t
Fuel Oil:	249,000 gal	940 m <sup>3</sup>
Potable Water:	33,100 gal	130 m <sup>3</sup>
Fresh Water:	437,000 gal	1,660 m <sup>3</sup>
Drill/Ballast Water:	61,700 gal	230 m <sup>3</sup>
Bulk Tanks (6 tanks):	9,230 ft <sup>3</sup>	260 m <sup>3</sup>
Liquid Mud (2.7 SG*):	10,800 bbl	1,710 m <sup>3</sup>
*Max Structural Specific Gravity		

## TIDEWATER

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Pg.2 Further Specifications

Pg.4 Capacity Table

Pg.3 General Arrangement

Pg.5 DP Capability Plot



## Machinery

<b>Diesel Electric Vessel</b>			
<i>Propulsive/Total HP:</i>	5,360 / 9,280		
<b>Z-Drives:</b>	Yes		
<b>Propellers (2):</b>	2 x 2000kW FPP		
<b>Kort Nozzles:</b>	2		
<b>Primary Generators (4):</b>	1,730 kw	690 v	60 hz
<i>Driven by:</i>	CAT 3512C		
<b>Secondary Generators (1):</b>	550 kw	690 v	60 hz
<i>Driven by:</i>	CAT C18		
<b>Emergency Generators (1):</b>	95 kw	480 v	60 hz
<i>Driven by:</i>	CAT C4.4		
<b>Bow Thruster (2):</b>	1xBERG BFTT419, 1xHRP 601IRT		
<i>Driven by:</i>	846kW Electric Motor		
<b>Total Thrust:</b>	28.3 st	25.7 mt	

## Deck Equipment

<b>Anchors (2):</b>	4710 LBS AC-14 HHP
<b>Anchor Chain:</b>	250 m of 40 mm chain per side
<b>Windlass:</b>	COASTAL MARINE EQUIP.
<b>Crane (1):</b>	4.5 t @ 6.1 m

## Accommodations

<b>No. of Berths:</b>	36
<b>Cabins:</b>	2x1-man, 15x2-man & 1x4-man
<b>Certified to Carry:</b>	36
<b>Galley seating:</b>	20
<b>Hospital:</b>	Yes

## Registration

<b>Flag:</b> UNITED STATES	<b>Home Port:</b> NEW ORLEANS, LA
<b>Hull Number:</b> 147	<b>IMO N°:</b> 9582312
<b>Year Built:</b> 2014	<b>Call Sign:</b> WDG 8925
<b>Builder:</b>	THOMA-SEA MARINE
<b>Tonnage (ITC):</b>	2918 GT 1310 NT

## Performance\*

Fuel Consumption Vs Speed		
Maximum:	25.4 m³/day (280 gph) @ 13.5 knots	
Cruising:	14.7 m³/day (160 gph) @ 11 knots	
Economical:	11.8 m³/day (130 gph) @ 10 knots	
Standby:	1 m³/day (11 gph) @ 0 knots	
Range @ 11 Knots:	16,900 nm	
Transfer Rates		
Fuel Oil:	750 gpm @ 230 ft	170 m³/h @ 69 m
Fresh Water:	400 gpm @ 230 ft	91 m³/h @ 69 m
Drill/Ballast Water:	750 gpm @ 200 ft	170 m³/h @ 61 m
Bulk:	25.6 cfm @ 180 ft	43.5 m³/h @ 56 m
Liquid Mud:	1000 gpm @ 230 ft	230 m³/h @ 69 m

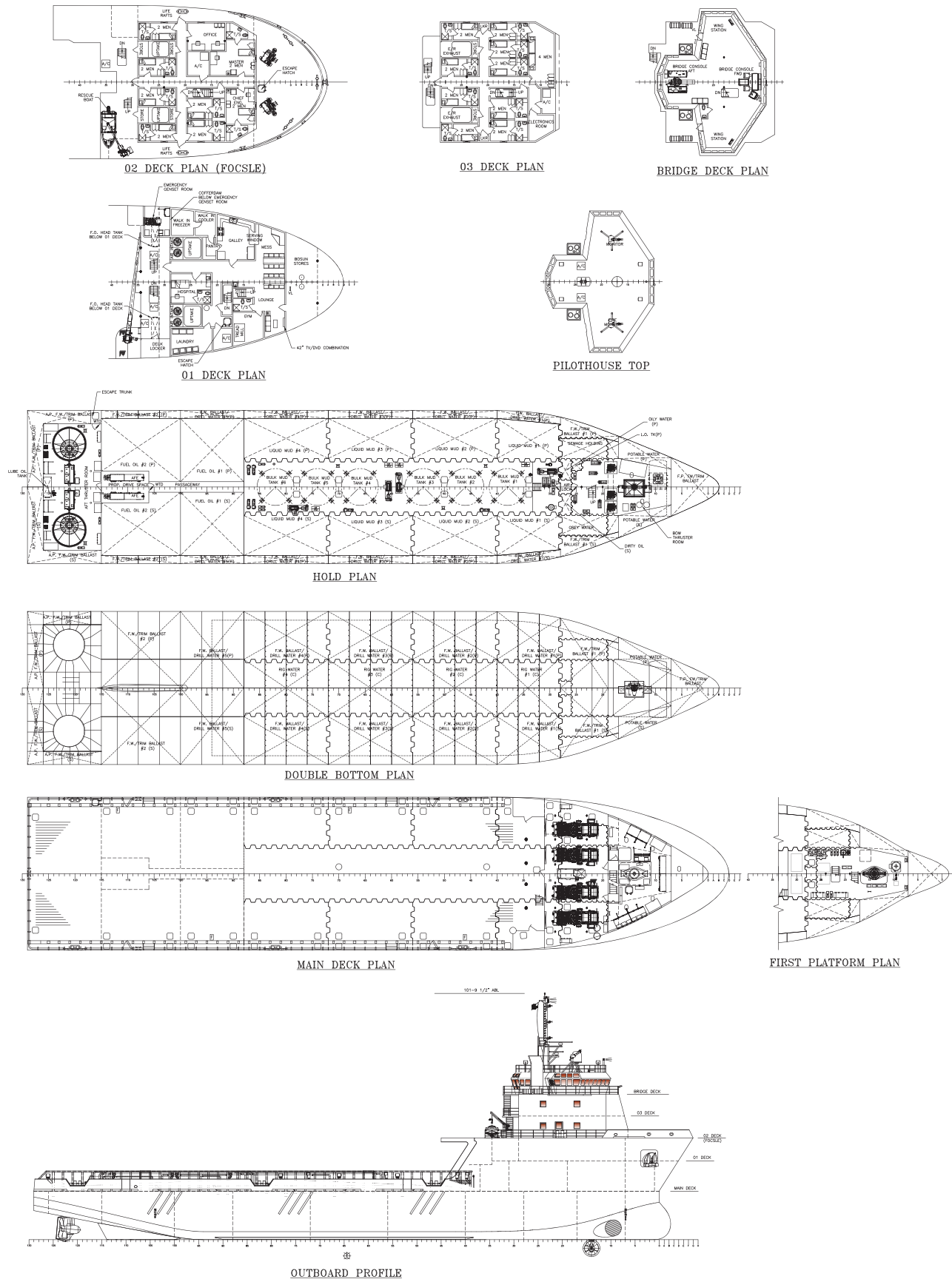
## Nav/Comms Equipment

<b>Radar(s):</b>	2
<b>Depth Sounder:</b>	1
<b>Gyro Compass:</b>	3
<b>Wind Speed Indicators:</b>	3
<b>Doppler Log:</b>	1
<b>Radio:</b>	3 x VHF; 1 x SSB
<b>Sat Com:</b>	1 X FELCOM18

## Special Equipment

<b>Firefighting:</b>	FiFi-1
<b>Dynamic Positioning:</b>	DP-2
<b>Ref. Systems:</b>	3 x MRU; 3 x DGPS 1 x Microwave-based; 1 x Laser-based
<b>Mud Mixers:</b>	Yes
<b>Tank Cleaning:</b>	Yes
<b>Rescue Boat:</b>	RSQ 450A
<b>Reefer Sockets:</b>	3x 460V 35A; 3x 120V 20A
<b>Misc:</b>	MSD - 32 Persons; BHS Water Traps Only

\*Approximate values assuming Ideal Conditions





Tank	Contents	Volume m <sup>3</sup>	Base Oil	Fuel Oil	Dry Bulk	DW/WB	Potable Water	Fresh Water	Brine	Liquid Mud	Methanol	Lube Oil	Foam	Oil Disp.
FP FW/Trim Ballast C	DW/WB	115.0				115.0								
FW/Trim Ballast 1P	DW/WB/FW	109.3				109.3		109.3						
FW/Trim Ballast 1S	DW/WB/FW	109.3				109.3		109.3						
FW/Trim Ballast 2P	DW/WB/FW	122.0				122.0		122.0						
FW/Trim Ballast 2S	DW/WB/FW	122.0				122.0		122.0						
FW Ballast/DW 1P	DW/WB/FW	78.1				78.1		78.1						
FW Ballast/DW 1S	DW/WB/FW	78.1				78.1		78.1						
FW Ballast/DW 2P	DW/WB/FW	100.8				100.8		100.8						
FW Ballast/DW 2S	DW/WB/FW	100.8				100.8		100.8						
FW Ballast/DW 3P	DW/WB/FW	100.8				100.8		100.8						
FW Ballast/DW 3S	DW/WB/FW	100.8				100.8		100.8						
FW Ballast/DW 4P	DW/WB/FW	100.8				100.8		100.8						
FW Ballast/DW 4S	DW/WB/FW	100.8				100.8		100.8						
FW Ballast/DW 5P	DW/WB/FW	103.1				103.1		103.1						
FW Ballast/DW 5S	DW/WB/FW	103.1				103.1		103.1						
AP FW/Trim Ballast P	DW/WB	56.3				56.3								
AP FW/Trim Ballast S	DW/WB	62.4				62.4								
Rig Water 1C	FW	45.1						45.1						
Rig Water 2C	FW	60.2						60.2						
Rig Water 3C	FW	59.5						59.5						
Rig Water 4C	FW	60.2						60.2						
Potable Water P	Ship's FW	62.6					62.6							
Potable Water S	Ship's FW	62.6					62.6							
Fuel Oil 1P	FO	256.0		256.0										
Fuel Oil 1S	FO	256.0		256.0										
Fuel Oil 2P	FO	214.4		214.4										
Fuel Oil 2S	FO	214.4		214.4										
FO Day Tk P	FO	23.6		23.6										
FO Day Tk S	FO	23.6		23.6										
FO Head Tk P	FO	1.0		1.0										
FO Head Tk S	FO	1.0		1.0										
LM Tk 1P	LM	161.6								161.6				
LM Tk 1S	LM	161.6								161.6				
LM Tk 2P	LM	231.6								231.6				
LM Tk 2S	LM	231.6								231.6				
LM Tk 3P	LM	231.6								231.6				
LM Tk 3S	LM	231.6								231.6				
LM Tk 4P	LM	231.6								231.6				
LM Tk 4S	LM	231.6								231.6				
DRY BULK TK NO.1C	Dry Bulk	43.4			43.4									
DRY BULK TK NO.2C	Dry Bulk	43.4			43.4									
DRY BULK TK NO.3C	Dry Bulk	43.4			43.4									
DRY BULK TK NO.4C	Dry Bulk	43.4			43.4									
DRY BULK TK NO.5C	Dry Bulk	43.4			43.4									
DRY BULK TK NO.6C	Dry Bulk	44.1			44.1									
Lube Oil Tk P	LO	4.4										4.4		
Z Drive LO Tk C	LO	3.3										3.3		
Total Volume [m <sup>3</sup> ]			0.0	990.1	261.2	1,663.3	125.2	1,654.5	0.0	1,712.5	0.0	7.7	0.0	0.0
Spec Sheet Total Volume [m <sup>3</sup> ]			0.0	940.9	261.2	843.1	125.2	1,654.5	0.0	1,712.5	0.0	7.7	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.

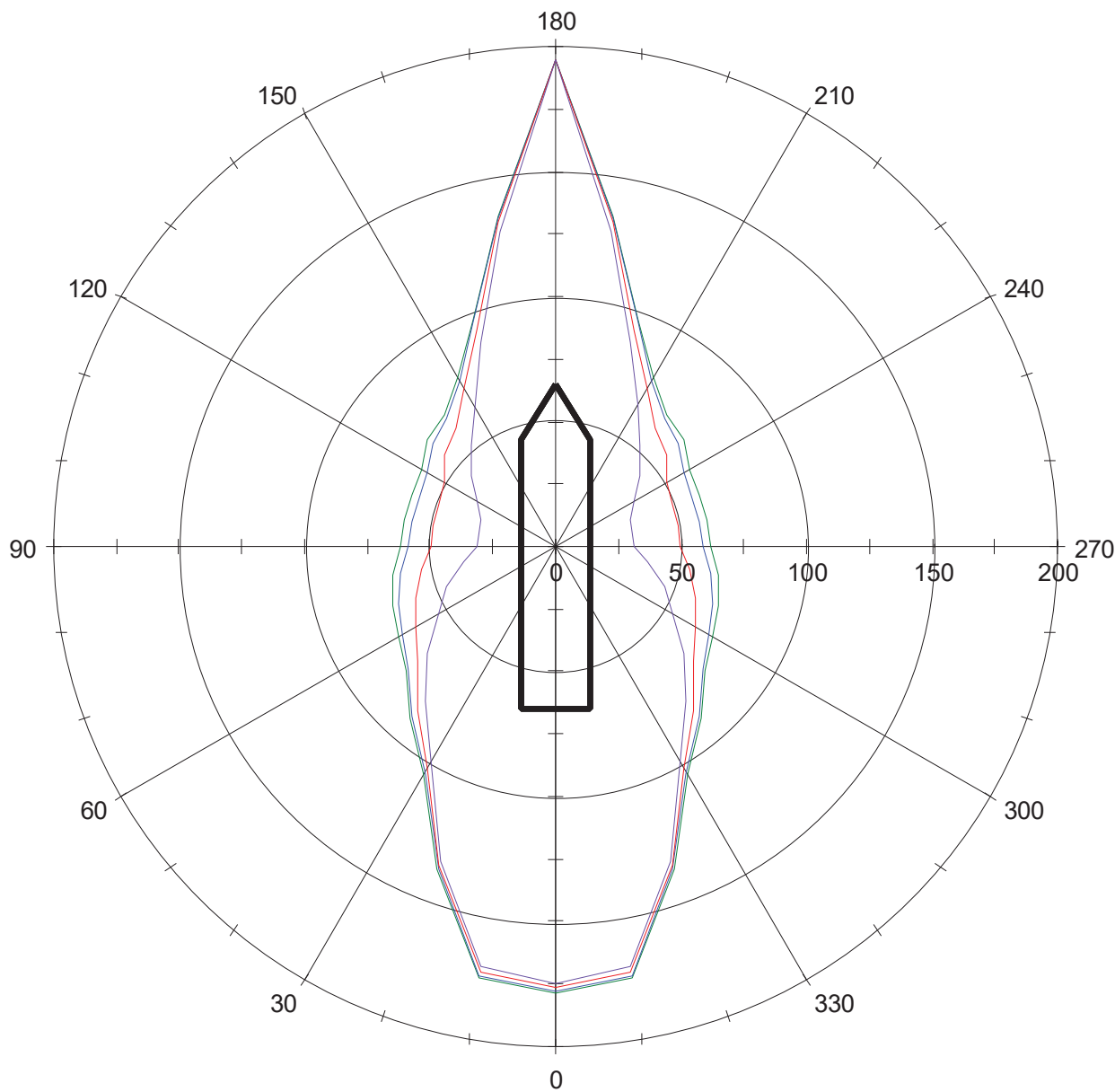
\*Capacities shown in **BLUE** are included in another Tank's Capacity.

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



Ship: Thomas-Sea H147

Run : All Online, 100%



Wind [knots], Current = 0 knots

Wind [knots], Current = 1 knots

Wind [knots], Current = 2 knots

Wind [knots], Current = 3 knots