SEARCHER TIDE

UT 751 E PSV

Vessel Characteristics

Length, Overall:	308.1 ft	93.9 m
Beam:	68.9 ft	21 m
Depth:	26.9 ft	8.2 m
Maximum Draft:	21.7 ft	6.6 m
Light Draft:	10.8 ft	3.3 m
Minimum Height:	99.4 ft	30.3 m
Freeboard:	5.3 ft	1.6 m
Displacement:	8,440 lt	8,580 mt
Deadweight:	4,910 lt	4,990 mt
Clear Deck Space:	201 x 58 ft	61 x 18 m
Clear Deck Area:	11,500 ft^2	1,070 m^2
Deck Strength AFT:	2,050 lb/ft^2	10 t/m^2
Class Notations:	DNV: +1A1, Supply vessel, Battery(Power), Clean, COMF(V-3), DK(+), DYNPOS(AUTR), E0, HL(2.8), Ice(C), LFL(*), NAUT(OSV(A)), OILREC, SF, PMS(M), CLEAN, DDV(PMS)	

Capacities

Deck Cargo:	3,190 lt	3,240 t
Fuel Oil:	348,000 gal	1,320 m^3
Potable Water:	83,300 gal	320 m^3
Fresh Water:	178,000 gal	670 m^3
Drill/Ballast Water:	385,000 gal	1,460 m^3
Bulk Tanks (8 tanks):	12,500 ft^3	350 m^3
Liquid Mud (2.8 SG*): *Max Structural Specific Gravity	5,730 bbl	910 m^3
Methanol:	1,300 bbl	210 m^3
Base Oil:	1,510 bbl	240 m^3
Brine:	2,540 bbl	400 m^3
Fire Fighting Foam:	530 gal	2 m^3

TIDEWATER

Find out more **tdw.com**

Pg.2 Further Specifications
Pg.3 General Arrangement
Pg.4 Capacity Table
Pg.5 DP Capability Plot

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Further specifications

Machinery

Diesel Electric Hybrid Vessel			500 kWh Battery
Propulsive/Total HP:			5,900 / 9,470
Z-Drives:			Yes
Propellers (2):			AQUAMASTER AZP120, 2200KW CPP
Primary Generators (4):	1,660 kw	690 v	60 hz
Driven by:			RRM C25:33L6A
Emergency Generators (1):	200 kw	690 v	60 hz
Driven by:			SCANIA DI 12 62M
Bow Thruster (3):			2x RR TT2400 DPN TT FP, 1x RR TCNS 73/50
Driven by:			895KW ELECTRIC MOTORS
Total Thrust:		45 st	40.8 mt

Deck Equipment

Anchors (2):	4320 KG SPEK
Anchor Chain:	270 m of 50 mm chain per side
Windlass:	2x 20 MT RRM
Crane (2):	5 t @ 10 m
Tugger (1):	15 t RRM

Accommodations

No. of Berths:	25
Cabins:	13x1-man & 6x2-man
Certified to Carry:	25
Galley seating:	14
Hospital:	Yes

Registration

Flag: NORWAY		**Home Port:** SANDNES
Hull Number: 49		**IMO N^{O}:** 9388950
Year Built: 2008		**Call Sign:** LAFE
Builder:		Brevik Construction AS
Tonnage (ITC):	4755 GT	1760 NT

Performance*

Fuel Consumption Vs Speed		
Maximum:		27 m³/day (300 gph) @ 16.5 knots
Cruising:		17 m³/day (190 gph) @ 12.2 knots
Economical:		14.5 m³/day (160 gph) @ 11.3 knots
Standby:		2.6 m³/day (28.6 gph) @ 0 knots
Range @ 12.2 Knots:		22,500 nm
Transfer Rates		
Fuel Oil:	1100 gpm @ 300 ft	250 m³/h @ 92 m
Fresh Water:	1100 gpm @ 300 ft	250 m³/h @ 92 m
Drill/Ballast Water:	1100 gpm @ 300 ft	250 m³/h @ 92 m
Bulk:	26 cfm @ 190 ft	44.1 m³/h @ 57 m
Liquid Mud:	550 gpm @ 800 ft	120 m³/h @ 240 m
Base Oil:	660 gpm @ 300 ft	150 m³/h @ 92 m
Brine:	440 gpm @ 800 ft	100 m³/h @ 240 m
Methanol:	440 gpm @ 300 ft	100 m³/h @ 92 m

Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Wind Speed Indicators:	2
Doppler Log:	1
Radio:	3 x VHF; 1 x SSB
Sat Com:	2X INMARSAT-C

Special Equipment

Dynamic Positioning:	DP-2
Ref. Systems:	2 x MRU; 2 x DGPS 1 x Microwave-based; 1 x Laser-based
Mud Circulation System/ Mud Mixers:	Yes/Yes
Tank Cleaning:	Yes
Rescue Zone:	Yes
Rescue Boat:	2x 10-Man Springer MP 800 FRC
Misc:	ORO Capacity - 1113.4 m3; MSD - 25 Persons; Eye Wash Station; Dacon Scoop SB Side

*Approximate values assuming Ideal Conditions

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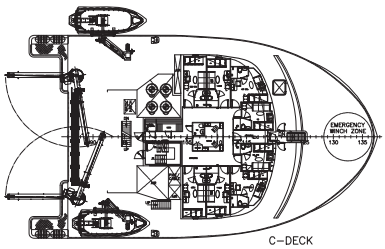
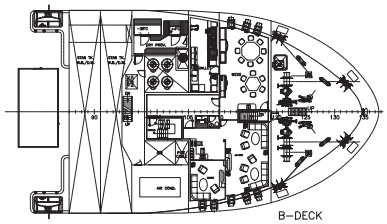
SEARCHER TIDE

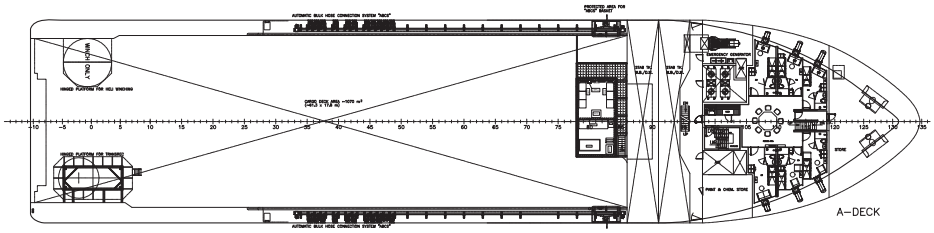
General Arrangement (Current configuration may vary.)



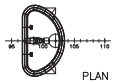
C–DECK



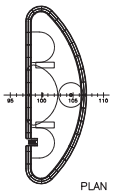
B–DECK



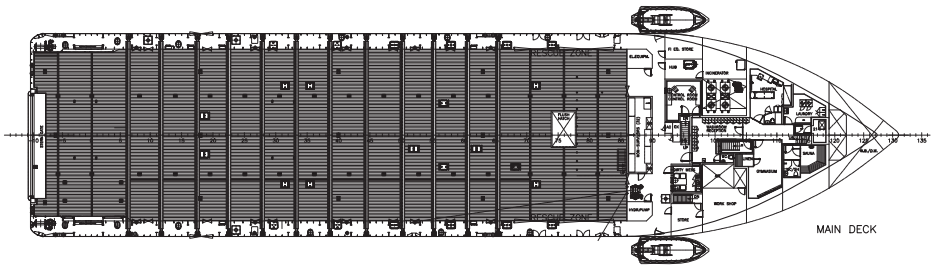
A–DECK



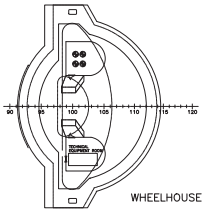
PLAN B



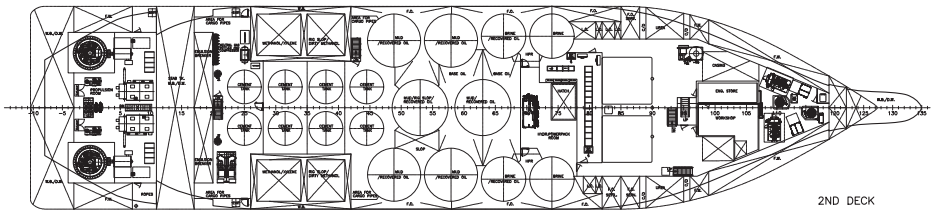
PLAN A



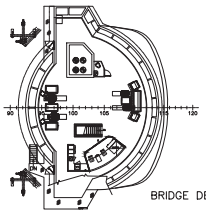
MAIN DECK



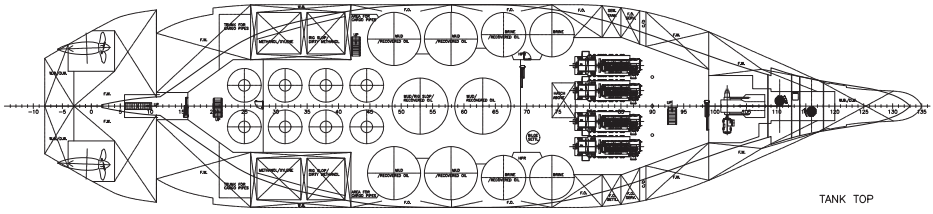
WHEELHOUSE TOP



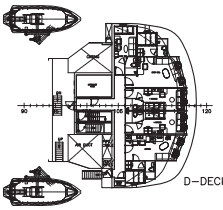
2ND DECK



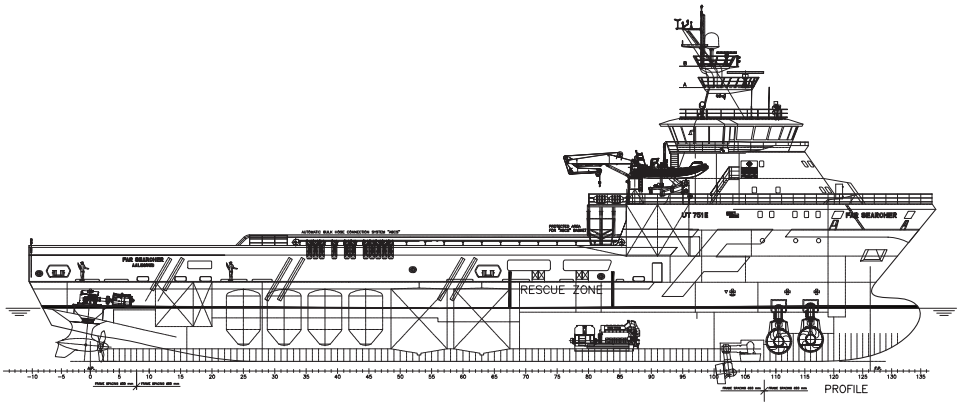
BRIDGE DECK



TANK TOP



D–DECK



PROFILE

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SEARCHER TIDE

Capacity Table

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.
FOREPEAK TK	DW/WB	163.7				163.7								
FO DB TK 7 C	DW/WB	63.1				63.1								
AFT PEAK TK SB	DW/WB	107.8				107.8								
AFT PEAK TK PS	DW/WB	107.8				107.8								
ROLL RED. TK 1	DW/WB	349.9				349.9								
ROLL RED. TK 2	DW/WB	310.2				310.2								
ROLL RED. TK 3	DW/WB	354.2				354.2								
FW DB/WG TK 1 SB	Ship's FW	157.7					157.7							
FW DB/WG TK 1 PS	Ship's FW	157.7					157.7							
FW DB/WG TK 2 SB	FW	115.8						115.8						
FW DB/WG TK 2 PS	FW	117.2						117.2						
FW DB/WG TK 7 SB	FW	82.8						82.8						
FW DB/WG TK 7 PS	FW	82.8						82.8						
FW WG TK 8 SB	FW	137.6						137.6						
FW WG TK 8 PS	FW	137.6						137.6						
FO DB/WG TK 3 SB	FO	150.6		150.6										
FO DB/WG TK 3 PS	FO	154.4		154.4										
FO DB/WG TK 4 SB	FO	211.1		211.1										
FO DB/WG TK 4 PS	FO	218.8		218.8										
FO DB/WG TK 5 SB	FO	238.0		238.0										
FO DB/WG TK 5 PS	FO	275.0		275.0										
FO DB TK 6 C	FO	70.7		70.7										
FO SERV TK SB	FO	36.9		36.9										
FO SERV TK PS	FO	36.9		36.9										
FO SETTL TK SB	FO	38.3		38.3										
FO DRAIN TK	FO	18.3		18.3										
FO OVERFLOW	FO	39.3		39.3										
BO TK 4 C	BO	118.3	118.3											
BO TK 5 C	BO	121.6	121.6											
METH TK 1 SB	METH	103.3									103.3			
METH TK 1 PS	METH	103.3									103.3			
CIRCULAR TK 1 C	LM/ORO	165.3								165.3				
CIRCULAR TK 2 C	LM/RS/ORO	165.3								165.3				
CIRCULAR TK 1 SB	BRI	101.1							101.1					
CIRCULAR TK 1 PS	BRI	101.1							101.1					
CIRCULAR TK 2 SB	BRI/ORO	101.1							101.1					
CIRCULAR TK 2 PS	BRI/ORO	101.1							101.1					
CIRCULAR TK 3 SB	LM/ORO	145.1								145.1				
CIRCULAR TK 3 PS	LM/ORO	145.1								145.1				
CIRCULAR TK 4 SB	LM/ORO	145.1								145.1				
CIRCULAR TK 4 PS	LM/ORO	145.1								145.1				
DRY BULK 1	DRY BULK	44.1			44.1									
DRY BULK 2	DRY BULK	44.1			44.1									
DRY BULK 3	DRY BULK	44.1			44.1									
DRY BULK 4	DRY BULK	44.1			44.1									
DRY BULK 5	DRY BULK	44.1			44.1									
DRY BULK 6	DRY BULK	44.1			44.1									
DRY BULK 7	DRY BULK	44.1			44.1									
DRY BULK 8	DRY BULK	44.1			44.1									
LO TK 1 PS	LO	3.5										3.5		
LO TK 2 PS	LO	7.0										7.0		
LO TK 3 PS	LO	3.5										3.5		
LO TK 4 PS	LO	13.0										13.0		
LO TK 5 PS	LO	3.5										3.5		
LO TK 6 PS	LO	7.0										7.0		
FOAM TANK	FOAM	2.0											2.0	
Total Volume [m^3]			240.0	1,488.1	352.7	1,456.6	315.3	673.8	404.5	911.2	206.5	37.7	2.0	0.0
Spec Sheet Total Volume [m^3]			240.0	1,318.5	352.7	1,456.6	315.3	673.8	404.5	911.2	206.5	37.7	2.0	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.**

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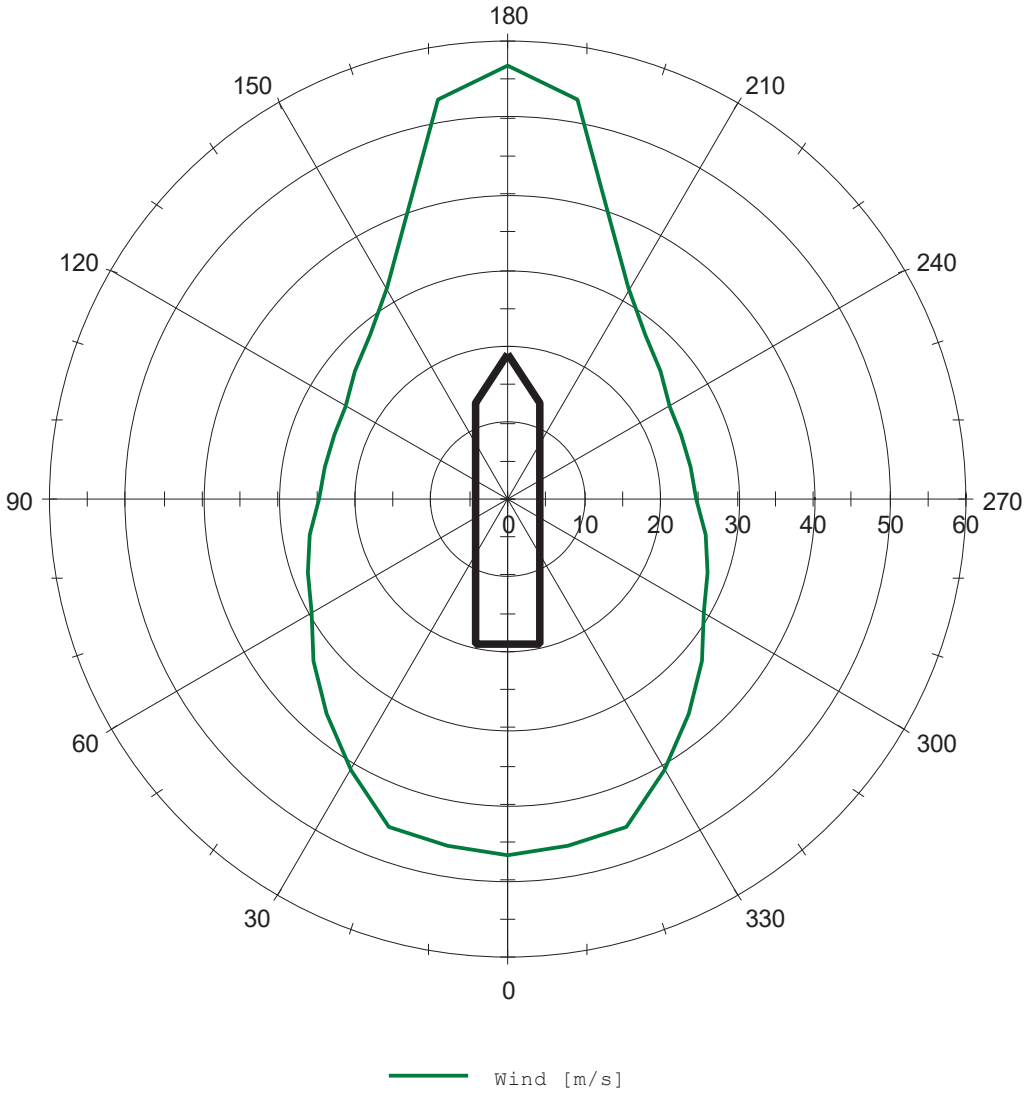
SEARCHER TIDE

DP Capability Plot



External:
Variable wind velocity rotating 360 deg
0.51 m/s wind generated current rotating 360 deg (0.0 deg offset)
Variable wave height rotating 360 deg (0.0 deg offset)

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