

FALNES TIDE



VS 485 PSV

Vessel Characteristics

Length, Overall:	278.9 ft	85 m
Beam:	65.6 ft	20 m
Depth:	28.2 ft	8.6 m
Maximum Draft:	23.5 ft	7.2 m
Light Draft:	10.8 ft	3.3 m
Minimum Height:	95.1 ft	29 m
Freeboard:	4.7 ft	1.4 m
Displacement:	8,420 lt	8,550 mt
Deadweight:	5,360 lt	5,450 mt
Clear Deck Space:	197 x 55 ft	60 x 17 m
Clear Deck Area:	9,900 ft ²	920 m ²
Deck Strength AFT:	2,050 lb/ft ²	10 t/m ²
Class Notations:	DNV: +1A1, Battery(Power), Clean(Design), COMF(C-3, V-3), DK(+), DYNPOS(AUTR), EO, HL(2.8), Ice(C), LFL(*), NAUT(OSV(A)), OILREC, SF	

Capacities

Deck Cargo:	3,030 lt	3,070 t
Fuel Oil:	196,000 gal	740 m ³
Potable Water:	87,000 gal	330 m ³
Fresh Water:	128,000 gal	490 m ³
Drill/Ballast Water:	622,000 gal	2,350 m ³
Bulk Tanks (6 tanks):	11,700 ft ³	330 m ³
Liquid Mud (2.8 SG*):	4,380 bbl	700 m ³
*Max Structural Specific Gravity		
Methanol:	920 bbl	150 m ³
Base Oil:	1,280 bbl	200 m ³
Brine:	2,630 bbl	420 m ³
Fire Fighting Foam:	1,660 gal	6.3 m ³

TIDEWATER

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Pg.2 Further Specifications
Pg.3 General Arrangement

Pg.4 Capacity Table
Pg.5 DP Capability Plot

NOTICE: The data contained herein is provided for convenience of reference to allow users to determine the suitability of the Company's equipment. The data may vary from the current condition of equipment which can only be determined by physical inspection. Company has exercised due diligence to insure that the data contained herein is reasonably accurate. However, Company does not warrant the accuracy or completeness of the data. In no event shall Company be liable for any damages whatsoever arising out of the use or inability to use the data contained herein.

LAST UPDATE: 11/10/2023

Machinery

Diesel Electric Hybrid Vessel	560 kWh Battery		
Propulsive/Total HP:	5,900 / 8,930		
Z-Drives:	Yes		
Propellers (2):	AZP100 RRM AZIPULL, 2200KW		
Primary Generators (4):	1,660 kw	690 v	60 hz
Driven by:	WARTSILA 9L20		
Emergency Generators (1):	180 kw	690 v	60 hz
Driven by:	VOLVO D9 MG RC		
Bow Thruster (3):	2x FU-74-LTC-2000 TT, 1x AR63LNC DD		
Driven by:	2x 1000KW, 1x 880KW ELECTRIC MOTORS		
Total Thrust:	35.9 st	32.6 mt	

Deck Equipment

Anchors (2):	3540 KG SPEK
Anchor Chain:	260 m of 46 mm chain per side
Windlass:	2x NMD
Crane (1):	3 t @ 13 m
Aux. Crane (1):	3 t @ 11 m
Capstans (2):	8 t NMD
Tugger (2):	15 t TU-15

Accommodations

No. of Berths:	22
Cabins:	10x1-man & 6x2-man
Certified to Carry:	22
Galley seating:	12
Hospital:	Yes

Registration

Flag: NORWAY	Home Port: SANDNES
Hull Number: 345	IMO N ^o : 9591882
Year Built: 2011	Call Sign: LCOR3
Builder:	Kleven Verft AS
Tonnage (ITC):	4258 GT1799 NT

Performance*

Fuel Consumption Vs Speed		
Maximum:	24 m³/day (260 gph) @ 15.5 knots	
Cruising:	13 m³/day (140 gph) @ 13 knots	
Economical:	11 m³/day (120 gph) @ 11 knots	
Standby:	3 m³/day (33 gph) @ 0 knots	
Range @ 13 Knots:	17,700 nm	
Transfer Rates		
Fuel Oil:	660 gpm @ 300 ft	150 m³/h @ 92 m
Fresh Water:	660 gpm @ 300 ft	150 m³/h @ 92 m
Drill/Ballast Water:	660 gpm @ 300 ft	150 m³/h @ 92 m
Bulk:	32.4 cfm @ 220 ft	55 m³/h @ 60 m
Liquid Mud:	440 gpm @ 800 ft	100 m³/h @ 240 m
Base Oil:	440 gpm @ 300 ft	100 m³/h @ 92 m
Brine:	440 gpm @ 800 ft	100 m³/h @ 240 m
Methanol:	330 gpm @ 300 ft	75 m³/h @ 92 m

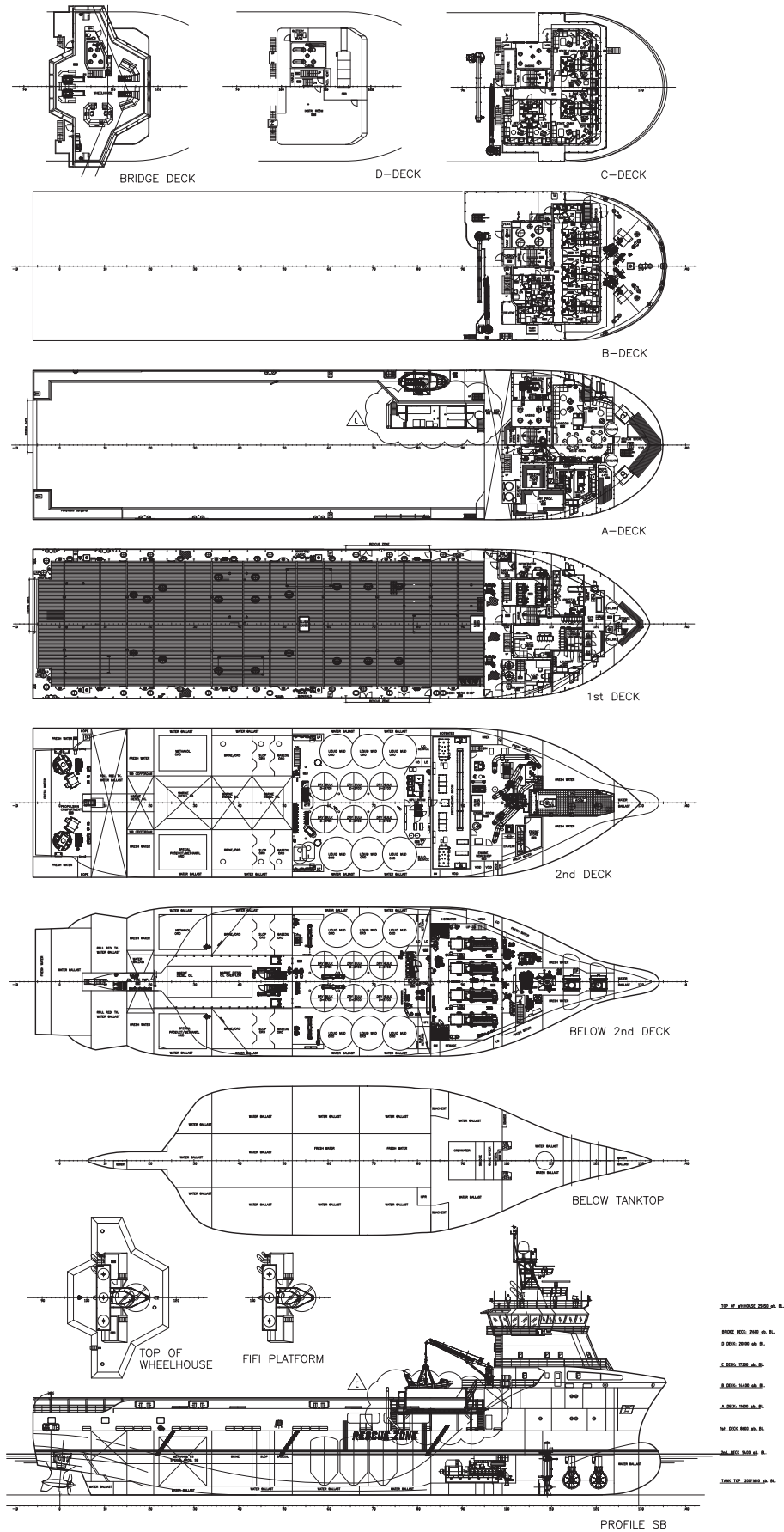
Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Wind Speed Indicators:	2
Doppler Log:	1
Radio:	4 x VHF; 1 x SSB
Sat Com:	2X INMARSAT-C

Special Equipment

Dynamic Positioning:	DP-2
Ref. Systems:	3 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:	Weedo 600 FRC
Reefer Sockets:	9x 230V 16A
Misc:	HPR Trunk; ORO Capacity - 1796.0 m³; Special Prod. Capacity - 146.3 m³; MSD - 23 Persons; Oil Detection Radar

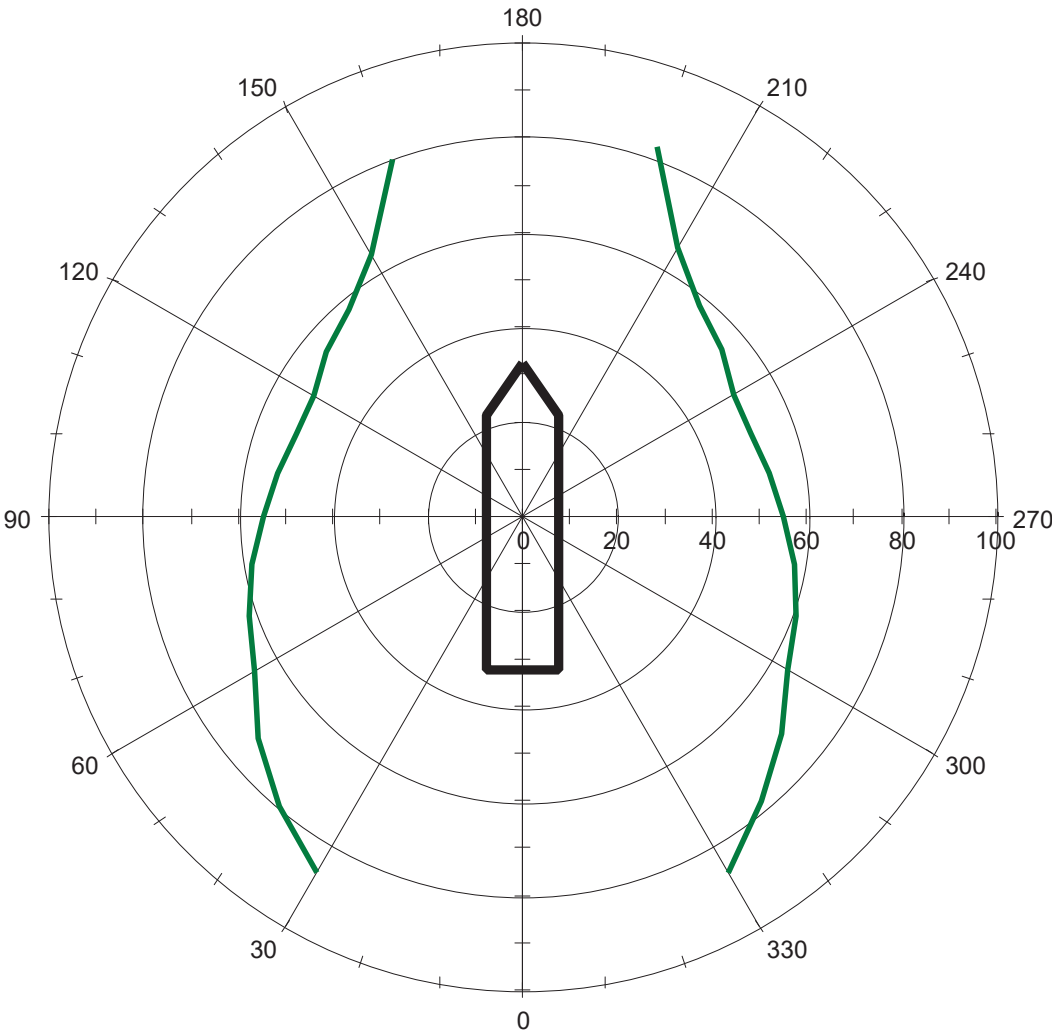
*Approximate values assuming Ideal Conditions



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



Ship: 4230 VS485 MkII PSV
Run : All thrusters in operation



— Wind [knots] (truncated at 97.2 knots)

External:
Variable wind velocity rotating 360 deg
1.50 knots wind generated current rotating 360 deg
Variable wave height rotating 360 deg