

180' Crew/FSV Randall B

Specifications 3/16

Vessel Particulars

Length Overall	180 ft	55 m
Length BP	165 ft	50 m
Beam	34 ft	10 m
Depth	12.83 ft	4 m
Light Draft	8 ft	2.29 m
Loaded Draft	10.42 ft	3.18 m
Summer Freeboard	6.5 ft	2 m
Light Ship	214 LT	218 MT
Deadweight	409 LT	416 MT

Capacities

Drill / Potable Water	52,678 USG	199 m ³
Potable Water (Ship's)	1,412 USG	5 m ³
Fuel	26,352 USG	100 m ³
Dry Bulk	2,000 ft ³	57 m ³
Engine Lube Oil	539 USG	2 m ³

Cargo Deck

Tonnage	363 LT	370 MT
Strength	540 lbs/ft ²	2.6 MT/m ²
Length	109.5 ft	33 m
Width	27.7 ft	8 m
Clear Area	3,033 ft ²	282 m ²

Tonnage

Gross	91 US Tons (Long)	472 IT C Tons
Net	61 US Tons (Long)	141 IT C Tons

Machinery

Main Engines (Each)	4 - KTA KTA50M2 Cummins 1800BHP
Brake Horsepower	7,200BHP @ 1,900RPM
Reduction Gears	4 - Twin Disc MG -6848SC
Gear Ratio	2.93 : 1
Propellers	4 - Teignbridge 52"D x 54"P Controllable Speed Propellers
Rudders	2
Auxiliary Generators	2 - 99kW, 120/208VAVAC, 3 Phase, 60 Hz
Bow Thrusters	Thrustmaster 200 hp Asimuthing
Fuel-Oil Purifier	1 - Alpha Laval MAB 103
Bulk Compressor	LeRoi WE 150-11M 80 psi System

Performance

Maximum Speed	26 kts
Cruising Speed	23 kts
Economy Speed	20 kts
Max Fuel Consumption	340 USG/hr 31 m ³ /24hrs
Cruising Fuel Consumption	294 USG/hr 27 m ³ /24hrs
Economy Fuel Consumption	212 USG/hr 19.3 m ³ /24hrs

Discharge Rates

Drill / Potable Water	600 USG/min @ 130 ft	136 m ³ /hr @ 40 m
Fuel	180 USG/min @ 60 ft	41 m ³ /hr @ 18 m
Bulk Material	30 ft ³ /min @ 80 psi	0.84 m ³ /min @ 5.5 Bar

Accommodations

Cabins/Berths	5 Cabins / 10 Berths
Officer Cabins	2 Cabins
Crew Cabins	3 Cabins
VIP	VIP Room with Seating for 7
Passengers	81 Business Class
Lounge Seating	7
Mess Seating	8
Business Seating	74 Reclining with Seat Belts

Electronics & Controls

Depth Sounder	Datamarine 3001
Dynamic Positioning	Simrad SPD10 - DP1
CSP Monitoring	Equipped
GMDSS	Equipped
GPS	1 - Garmin 215
SSB	1 - Icom - ICM 710
VHF	3 - Icom - MCM59
Radars	2 - Furuno Fr 811
Internet E-mail	Globe Wireless
Weather Radio	XM

Special Equipment

External FIFI	2 - 1500 GPM
Number of Monitors	2
Container Power Supply	1 - 220V/50A/3 Phase, on Deck

Documentation

Class	ABS: +A1, +HSC, +AMS, -DPS -1
Flag	United States
Solas	No
USCG	USCG Subchapter T/L
Year Built	2003
Builder	Neville

