

TRITON FREEDOM



Characteristics

Length, Overall.....	177.0 ft
Beam.....	38.0 ft
Depth.....	14.0 ft
Maximum Draft.....	11-11 3/8.0 ft
Light Draft.....	10.6 ft
Freeboard.....	2 ft
Displacement at Loadline.....	765.35 lt
Deadweight.....	771.19 lt
Clear Deck Space.....	1026 ft ²
Deck Cargo	54 tons
Minimum Height.....	52.0 ft

Capacities

Fuel Oil.....	242.18 tons
Potable Water.....	42.32 tons
Lube Oil.....ME.....	462 gal
Lube Oil Generators.....	210 gal
Lube Oil Hydraulic.....	210 gal
Waste Oil Tank.....	1478 gal
Walk-in-Cooler.....	280 ft ²
Walk-in-Freezer.....	280 ft ^{2b}

Machinery

Main Engines.....	(2) - E M D 8-645-E2
Horsepower.....	1,930
Gears.....	(2) - Falk 0830 MR 3:1 Ratio
Propellers.....	(2) - 4 blade S/S 74"X68" with 6 3/4 inch shaft
Primary Generators.....	(2) - 99 KW / 440V / 60 hz
Driven by.....	DD 6-71 @ 1800 RPMs
Bow Thruster.....	Yes
Driven by.....	DD 8V-71 300 HP
Thrust (Max).....	4 st 3.4 t
Aux.....	1-150 KW Dive Support Generator

Performance

Speed VS Fuel Consumption (Assuming fair weather)		
Maximum.....	Approx. 10 knots at	137.0 gph
Cruising.....	Approx. 8 knots at	79.0 gph
Economical.....	Approx. 6 knots at	60.0 gph
Standby (Generator Only)	0 knots at	12.0 gph
Range @ 10.0 knots.....	Approx. 9,800 nm	
Transfer Rates		
Fresh Water.....	500 gpm @ 160 ft	113.6 t/h
Fuel Oil.....	500 gpm @ 160 ft	113.6 t/h
Estimated Fuel Consumption..	1,200-1,500 gal pd	
	200 on 4-Point	

Registration

Flag.....	United States	Home port: Amelia, LA
Official Number.....	555837	
Call Sign.....	WDC8936	
Builder.....	Halter Marine	

Hull Number.....	422
Year Built.....	1973
Tonnage.....	214 GRT 145 NT
ABS classed.....	AMS Diving Service

Special Equipment

Fire Fighting.....	Yes
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Accommodations

Total Certified to Carry.....	35 (11 State Rooms)
Galley Seating.....	10
Air Conditioning/Heating.....	10 Tons

Electronics

Radar (s).....	2
Radio (s).....	VHF - 3
	SSB - 1
Loudhailer.....	2
Magnetic Compass.....	1
Gyro Compass.....	1
Navigation Aid.....AIS...	1
Fathometer.....	1
Auto Pilot.....	1
GPS.....	1
Communication.....	DTS Broadband Satellite
Comfort.....	TVRO Direct TV Receiver
	Internet Wireless Cafe

Moorings

Anchor.....	(4) - 8,000 lb
Type.....	Baldr
Winches.....	Amcon 385
Wire Length.....	5,000' of 1-1/8"
Capacity 14-layer.....	64,710 Single Line Pull
at stall	
Line Speed (FPM)	
High.....	251 - 10 th Layer
	148 - 1 st Layer
Low.....	135 - 10 th Layer
	63 - 1 st Layer

Utility Crane

Nautilus 15 ton.....	Pedestal Type
(Downgraded while working offshore)	