

SHIP SPECIFICATIONS

Dimensions

Length	180 feet
Beam	40 feet
Draft	11 feet
Displacement Tonnage (light)	850 Tons
Gross Tonnage	283 Tons
Year Built	1981
Year Converted	1990
ABS Identification No.	8128953
Radio Call Sign	WAO9082

Performance

Cruising Speed	10.8 knots
Endurance	2-3 weeks
Range	240 mi/day
Fuel Consumption	80 gals/hr
Fuel Capacity	79,000 gallons
Ballast Water Capacity	76,500 gallons
Potable Water Capacity	29,000 gallons
Holding Tank Capacity	43,500 gallons
Berthing Capacity	42

Machinery

Main Propulsion	2 Cummins Model QSK-38, 12 cylinders, 1200 HP
Generators	3 Cummins Generators Model 6CTA8.3DM, 125 KVA
Propellers	2 (4 Bladed, Kort Nozzled)
Bow Thruster	1 Caterpillar 3406 6-cylinder 300 HP diesel engine

Auxiliary Machinery

Water Maker	Offshore Industries Seaquencher (2000gal/day)
Oily Water Separator	Nelson Bilge Boy (15 ppm discharge)
Distilled Water System	Superstill S-25 (25 gal/hour ; 200 gallon storage capacity)
Vacuum System	GEBR Becker (331: H2O)

Communications Equipment

Marine VHF Radio	Sperry Model RT2047-D
VHF Radio	Standard Horizon Quantum GX5500S
Loud Hailer	Standard Horizon VLH-3000

Broadband Satellite
Cisco Unified Communications
Satellite HDTV Tracking System
Satellite Phone Handheld

SeaTel 6009 Ku Band Maritime VSAT Internet System
UC 560 / Cisco IP Phones
KVH – HD7
Iridium 9555

Navigation Equipment

Emergency Positioning

ACR Electronics Class A Satellite long range & Class C transmitter short range. Indicating Radio Beacon (EPIRB)

Radar 10cm

Furuno Model FR-2137S/10

Radar 3cm

Furuno Model FR-2117 12KW X-band

DGPS

Furuno GP150D

DGPS

Trimble NT200D

Auto Pilot

Sperry ADG3000VT

Searchlight Varo-Ray

Perko 9340

Fwd Looking Infrared System

FLIR SeaFLIR II

Fathometer

Furuno Model FE-881 MK-II

Magnetic Compass

Ritchie 8”

Gyrocompass

Sperry MK27 MOD1

Compass transmission unit

Sperry MK37 MOD E

Fax receiver, weather

Furuno FAX214

Doppler Speed log

JRC JLN-205

Automatic Identification System

Furuno FA-150

Dual Global Positioning System

Furuno GP-150

CCTV Camera

Pelco Model 1280-P

Meteorological Sensors

NOAA Air Temperature

Max/Min Temperature System

Air/ Temp with radian Shield

Young Model 41342 VC/VF/Model 41002

Barometric Pressure

Young Model 61201 /Model 61002

Windspeed and Direction

Young Wind Monitor – MA Model 05106

NWS Analogue Anemometer

Electric Speed Indicator Co. F-420C-M4

NWS Recording Barometer

Belfort Instrument Co. Marine Barograph

Horizontal Wind Speed/Dir

Young Wind Monitor –MA Model 05106

