

Education and Research Facilities

- 280 ft² second deck classroom
- 200 ft² wet lab; 250 ft² dry lab
- Aft deck with moon pool and swim platforms
- Nikon Eclipse Si upright compound microscope with Wi-Fi camera
- Nikon SMZ-745T stereo microscope with Wi-Fi camera
- Nikon SMZ-445 stereo microscopes (multiple)
- YSI Pro20 dissolved oxygen meter with 30-meter cable
- HACH Pocket Pro+ Multi 1 tester for conductivity, pH, salinity, TDS, temperature
- Kemmerers
- Ponar grabs, various sizes
- Plankton nets, various sizes

Deck Gear

- 3000lb A-frame winch with 9-foot clearance under frame and 7-foot reach over transom
- Hydraulic winch for A-frame with 2 drums of spectra line and 2 cat heads
- 493lb J-Davit on starboard quarter with hydraulic winch and spectra line
- Muir Storm 3500 anchor winch, Fortress Anchor, 300-foot rode

Safety Equipment

- SurvitecZodiac 30 person Inflatable Buoyancy Apparatus (2)
- ACR Globalfix V5 AIS EPIRB
- Heartstart AED
- Kidde Autroprime BS-200M vessel wide fire detection system
- FM-200 automatic fire suppression system in engine rooms and battery room
- SOLAS signaling equipment
- 35GPM Bilge pump in each watertight compartment

Communication Equipment

- Icom M424G VHF radios (2)
- Digital Yacht 4G Xstream Cellular LTE internet
- Starlink satellite internet
- Wi-Fi internet with NMEA 2000 interface

Vessel Particulars

- USCG certified for 49 passengers
- Length 19.80 m 65.0 ft
- Beam 7.30 m 24.0 ft
- Draft 1.40 m 4.6 ft
- Working deck area 27 m² 294 ft²
- Displacement 39.3 LT
- Gross Tonnage 48 GRT
- Net Tonnage 39 NRT
- Built: 2024 Midship Marine, Harvey, LA
- Marine Grade Aluminum (5083-H116) Hull
- Official Number 1351280
- Max speed 18 knots
- Cruising Speed 12 knots
- Range at 12 knots 600 NM

Propulsion

- Parallel Hybrid Propulsion System
- Main engines: John Deere 6090SFM85, 317kW, 425HP, EPA Tier 3
- Electric motors: Esco HESP36/2 36kw, 48HP
- Hybrid transmissions: Esco PHT300A303
- Gearboxes: Twin Disc MG-5082SC

Navigation Equipment

- Furuno GP-3700 GPS/Chart Plotter
- Furuno FR-12 Radar
- Furuno PG-700 Integrated heading sensor
- Furuno Navpilot-300 Autopilot
- Furuno FA-170 AIS
- Airmar B45 Dual-frequency depth transducer
- Optimus EPS steering system

continued ➤

Electrical

- 120 volt AC available throughout interior
- 240 volt AC single or 3-phase available
- 12 or 24 volt DC available
- Hybrid system provides all electrical power
- 68.3 kWh LiFePO4 battery bank
- Northern Lights 944 30kW backup generator

Crew

- Captain with USCG Unlimited license
- Deckhands (2); Educators (1-3, as needed)
- All crew trained in CPR and AED