



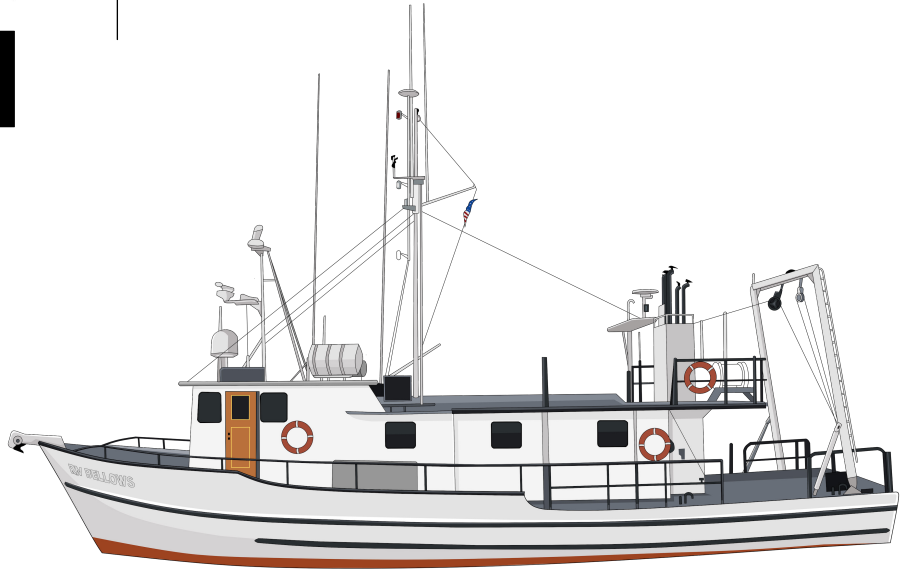
R/V Bellows Data Sheet - 70ft Research Vessel

SANSU **MARINE**

A Leader in **Specialized** Marine Solutions

VESSEL SPECIFICATIONS

Length (LOA): 70.5 ft
Beam: 20.4 ft
Draft: 5 ft
Depth: 8.5 ft (registered)
Gross Tonnage: 90 GT
Net Tonnage: 50 NT
Year Built: 1968
Builder: Duckworth Steel Boatworks
Home Port: Cape Canaveral, FL
Classification: Research Vessel



MACHINERY

Propulsion: 2x Detroit Diesel, 6-cylinder, 200HP each
Transmission: Allison
Generators: 2x Detroit Diesel 371, 20 KW

PERFORMANCE

Range: 2,000 miles
Speed Range: 1.5-10kts.
Cruise Speed: 8kts.

DECK AREA

- **185 sq ft** dry/wet air-conditioned laboratory;
- **180 sq ft** afterdeck area, freezer space and scientific equipment storage.

SPECIAL EQUIPMENT

U-FRAME: Stern, width 14 ft, height 16 ft, hydraulic rams, travel distance 3 ft fore, 3 ft aft.
A-FRAME: Starboard, aft; width 6 ft, height 10 ft, fixed, with 2 x 6 ft hero platform. 2500lb
SIDE BOOM: Amidships, extending 13 ft for plankton/neuston tows.
WORK BOATS: 13ft Avon lifeboat with 25hp outboard

ELECTRONICS AND NAVIGATION

VHF Radio: Icom Marine M502, Standard Horizon
Radar and GPS/Chartplotter: Two Furuno units
Autopilot: Yes
Depth Sounder: Furuno Sonar
Compasses: Furuno SC 502 Digital, Brooks & Gatehouse

CAPACITIES

Fuel Capacity: 3000 gallons (Diesel)
Fresh Water Capacity: 1000 gallons
Holding Tank Capacity: 200 gallons

WINCHES

One electromechanical hydraulic winch w/ slip rings for 7-lead 3/8" conductor cable, with 2000 m, 5000 lb line pull.
One trawling hydraulic winch with 1800 m, 5/16" cable, 6000 lb line pull.
One Hydro winch, on 01 deck with 1800 m, 3/16" cable, 800 lb line pull.
One auxiliary davit electric winch on 01 deck for small boat deployment. Other winches and cable sizes provided on request.

ACCOMMODATIONS

Staterooms: 5
Quarters: 10 berths for scientists; 3 for crew;
 2 heads; all living spaces air conditioned

HULL AND SUPERSTRUCTURE

Hull Material: Steel
Hull Type: Displacement
Construction: Welded steel hull, deck & superstructure
Bulkheads: 4 welded steel bulkheads
Deck Fittings: Welded steel stanchions
Keel: Steel, integrated ballast

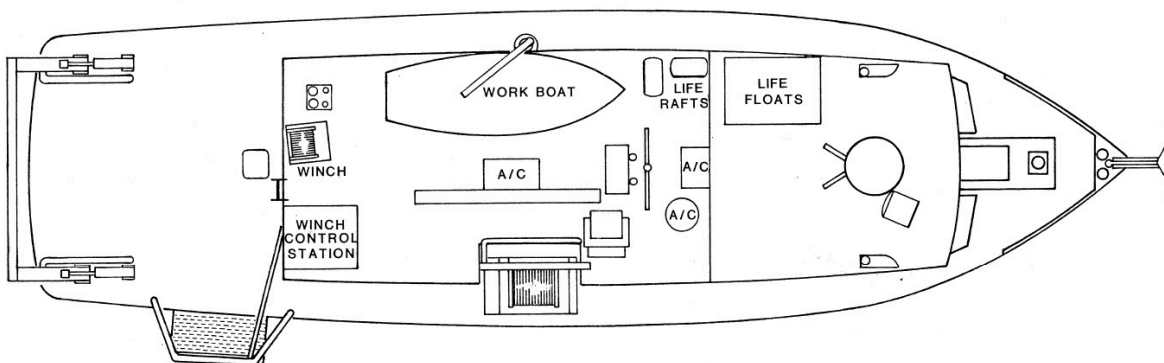
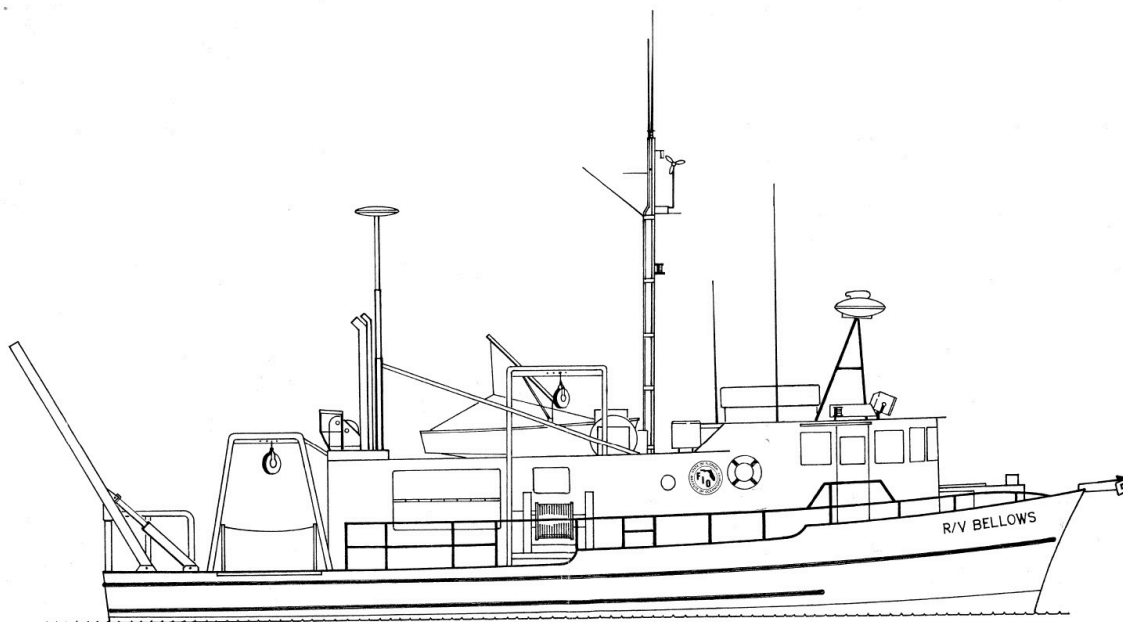
KEY FEATURES

R/V BELLOWS provides living and working accommodations for 10 scientists and a crew of 3; a 12 x 14 ft dry/wet laboratory; winches; scientific, communications, and navigation equipment.

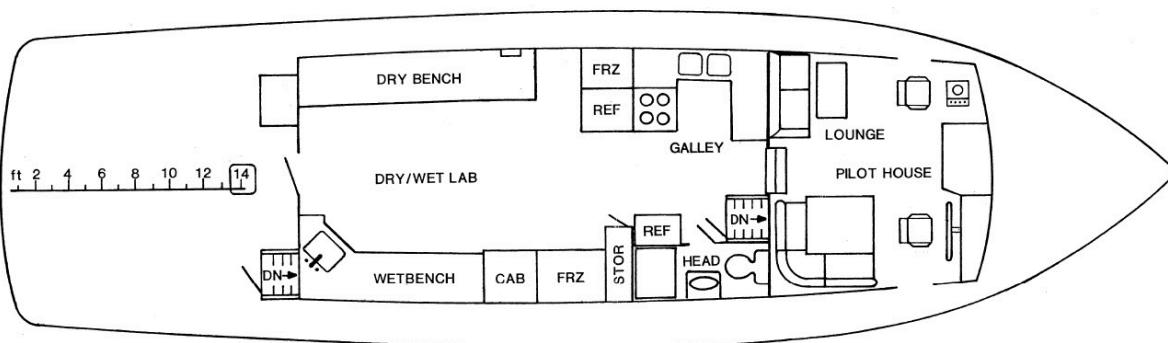
APPLICATIONS

R/V Bellows is an excellent platform for conducting biological physical, chemical, and geological oceanographic research; USV deployment, repair & recovery; fisheries surveys; installation and recovery of marine sensors; trawling and diving operations; and various other pelagic and littoral operations.

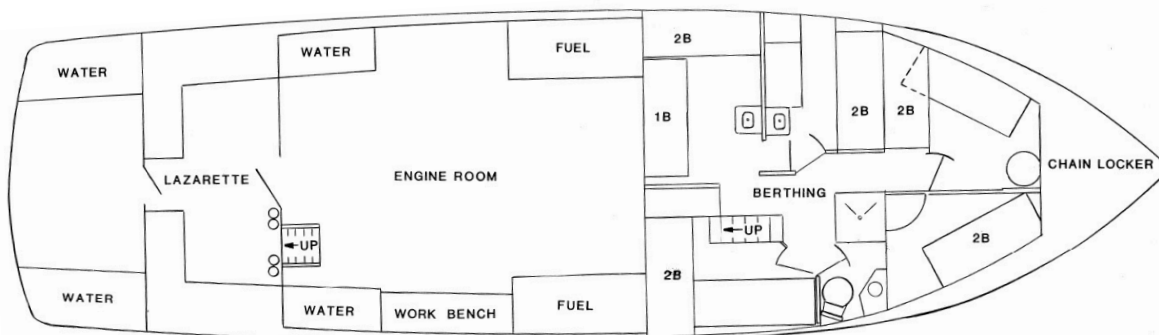




UPPER DECK



MAIN DECK



LOWER DECK