

# R/V Manta SPECIFICATIONS

## NAME OF VESSEL: R/V Manta

Type of vessel: Research Vessel  
In survey to: USCG Subchapter T  
Home port: Galveston, Texas  
Owner: N.O.A.A.  
Owner contact phone: Dana Wilkes (206) 553-1449  
Operator: N.O.A.A.  
Designer: Teknicraft Design, Ltd.  
CAD software:  
Builder: All American Marine, Inc.  
Hull construction material: Aluminum 5383  
Superstructure construction material: Aluminum  
Deck construction material: Aluminum  
Length overall: 82' 8" (25.2 m)  
Length waterline: 73' 8" (22.5 m)  
Length bp.:  
Beam: 30' (9.14 m)  
Draught: 3.5'  
Depth:  
Displacement: 78.5 metric tons (full load)  
Tonnage/s: GRT NRT DWT  
Main engine/s: 2 x Caterpillar C32 ACERT 1600 bhp @ 2300 rpm  
Gearbox/s: 2 x ZF 3050  
Propulsion: 2 x Hamilton Jet HM 571  
Generator/s: 2 x Northern Lights M1064-T2 65 Kw  
Steering system: Hamilton Jet & Jastram  
Maximum speed: 34 knots (lightship)  
Cruising speed: 27 knots (fully laden)  
Range: 623 Nautical Miles (fully laden with reserves)  
Hydraulic equipment: Hydraulic A-frame with 4,500 lbs. SWL  
Electronics supplied by:  
Radar/s: Furuno FR-1833 C NT (NavNet)  
Depth sounder/s: Furuno ETR-6/10N  
Radio/s: Icom M504 VHF  
Sonar:  
Satcom:  
Autopilot: ComNav Commander  
Compass/es: Ritchie HB 740  
Weather fax: Furuno Fax 30  
GMDSS:  
GPS: Furuno BBWGPS WASS/GPS  
Plotters:  
A.I.S. Furuno FA 150  
Audio visual system: Denon  
Other electronics: Speco CCTV  
Winches: Kinematics Marine hydraulic trawl winch  
Markey Machinery Com-7H hydraulic scientific winch  
Capstan/Windlass: Kinematics Marine hydraulic anchor winch

Cranes: Morgan Marine 703M2S articulating knuckle crane  
Deck equipment: A-frame, Davit, Crane, various winches  
Other equipment installed: SeaKeeper's Society Monitoring System  
Alarm system/s:  
Paints/coatings: Interlux – Trilux33 Bottom Paint  
Windows: Diamond Sea/Glaze  
Seating:  
Flooring/Deck surface finishes: Lonseal flooring / Loctite non-skid  
Interior fitout/furnishings:  
Armament/Weapons: n/a  
Safety equipment: standard safety equipment  
Life raft/s: 2 x DBC 16man Solas A life raft  
Lifeboat/s:  
Skiff Work boat/s: Polaris 15.5' Spirit RIB  
Hold capacity:  
Deck cargo capacity:  
Water ballast:  
Fuel capacity: 3600 Gallons  
Fuel consumption:  
Freshwater capacity: 500 Gallons  
Crew: 14  
Passengers: 25 for day trips  
Vehicles:  
Operational area: Flower Garden Banks National Marine Sanctuary  
Homeport: Galveston, Texas  
Date of delivery:  
Remarks:

Other vessels on order: 2 x N.O.A.A. Survey Launch boats,  
65' High-speed tour catamaran  
83' Eco-tour catamaran

### For more information contact: Joe Hudspeth

Company name: All American Marine, Inc.  
Country: USA  
Phone: (360) 647-7602  
Fax: (360) 647-7607  
Email: [jhudspeth@allamericanmarine.com](mailto:jhudspeth@allamericanmarine.com)  
Web: [www.allamericanmarine.com](http://www.allamericanmarine.com)  
Person to contact: Joe Hudspeth