

Merlin

Multi-Purpose Vessel: 110' x 20'
Official Number: 641765



Merlin is a United States built medium offshore supply vessel. Merlin was acquired from the US Marshals by a contractor of the US Navy in 2004. From 2004 – 2007 she went through a major refit as required by the US Navy to serve as a contract vessel providing multiple support roles for the DOD. Merlin has transited the Panama Canal and worked extensively on the West Coast, South America and Hawaii. She has continued to support the DOD and many other Government and private

contractors to this day. She has towed and worked with multiple autonomous surface vessels. She has been outfitted with a large moon pool to accommodate multiple acoustic tracking devices, a large knuckle boom crane capable of handling 7m support vessels, and a commercial dive platform and ladder. Merlin boasts an internal layout catered for the comfort of contractors and crew for large offshore multi-day operations and she is continually cared for and upgraded.



Specifications

GENERAL

Year – 1989, Major Refit 2007

Builder – Swiftships Offshore

Material – Aluminum

Propulsion – Triple Screw

Length – 110'

Beam – 19.5'

Draft – 6'

Official Number – 641765

Gross Tonnage – 100

Accommodations - 5 staterooms with a total of 14 berths

Range – 2500 nm

Maximum Speed - 18 kts.

Cruising Speed – 15 kts.

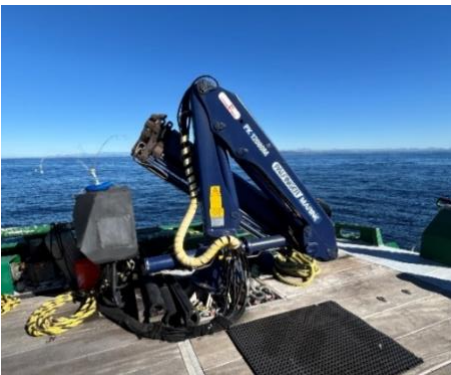
DECK MACHINERY

Deck crane- Starboard quarter mounted Palfinger PK12080M 6.6 ton, 35-foot reach, Pullmaster hydraulic winch with 500 ft Dyneema lifting wire

Deck water supply- Water pump, Multiple deck fittings and connections, fire hose fittings

Capstans - 2 capstans on starboard, 1 on port, 3 ton SWL

Winch – Pullmaster H18 Rapid Reverse



ELECTRONICS

Radar – Furuno FAR-21x7(-BB) X-band (120 mile), Furuno 72-mile radar

Chartplotter– Furuno NavNet

GPS –Furuno GP320B

AIS– Furuno FA-150

Auto Pilot– Simrad AP35

VHF– 3x VHF , SSB VHF, HF VHF

Compass– Furuno SC-50 Satellite Compass

Sounder– Furuno ETR-6/10N NavNet 600kW or 1kW

Displays– (3) Navigation system with Rosepoint, Garmin GPSmap 182C, Furuno NavNet color plotter (GD-1920C)

Satellite Communications – High performance Gen2 Starlink and internal router

Rosepoint Data Hub- allows multiple devices to receive all satellite compass, AIS, and radar data

CAPACITIES

Freshwater – 1150 Gallons

Watermaker – 70 gallon per hour

Fuel – 4800 Gallons

Deck Capacity – 0.08 ton/m², 50 Ton deck load



MACHINERY

Main Engine – 3 main engines, 500 hp each

Bow Thruster – 50HP counter rotating hydraulic thruster

Reduction Gears – Twin Disc 514 2.5:1 gear ratio

Generators – 1x 12kW Diesel, 1x 30 kW Diesel Single-phase and three-phase available

DIVING SUPPORT CAPABILITY

Dive Platform- Commercial dive platform and ladder located on stern

Dive Compressor - HP Compressor for filling multiple dive cylinders on site



Accommodations

Staterooms – A total of 5 comfortable and well-appointed staterooms provide private accommodations for 14 crew and guests. Each cabin is designed for extended stays at sea and feature marine grade finishes, storage, ventilation and secure sea berths. The layout maximizes privacy and functionality while maintaining easy access to shared facilities.

Heads/showers – 4 heads, 4 showers

Commercial Galley – Merlin features a fully equipped commercial galley designed to support meal preparation for crew and passengers. The galley includes an induction stove-top, a commercial griddle, appliances, ample storage, refrigeration and easily supports efficient meal preparations for day or multi-day missions. A separate large deep freezer allows for additional food storage for extended stays at sea.

Laundry Facilities – A Commercial Washer/Dryer allows onboard laundering during extended offshore deployments

Media Room – Room with a lockable door that is sound insulated and comfortable for private meetings. This room includes a pivoting 60-inch flatscreen TV, U-shaped seating, an office desk with printer and satellite communications.



Accommodations



Accommodations- Media Room



Upper Deck



Optional Equipment



Multiple ancillary vessels

available for decking (custom cradle on deck)

- 7m Hurricane inboard-outboard diesel RHIB (30 kt cruising speed)
- 6m diesel inboard-outboard RHIB

ADDITIONAL EQUIPMENT ONBOARD

- High-capacity diesel fuel transfer pump capable of transferring fuel to other vessels at sea
- Two high volume Quincy air compressors capable of running air tools, inflating lift bags with multiple fittings on deck
- 14-foot inflatable zodiac with outboard on upper deck
- Multiple deck fittings for running hydraulic equipment
- 30,50 and 100-Amp plug-ins available for equipment/ containers

