



SOV-26966

Polar Class AHTS

The Polar Class AHTS is a next generation anchor handler tug supply, developed from Crowley's long history of successful offshore designs and Arctic experience, coupled with Aker Arctic Technology design expertise. This vessel is designed to meet current client requirements for operations in extreme Arctic and Antarctic waters in support of drill and exploration operations. The vessel is designed to meet the rigid design requirements for Polar Class 3 for unlimited operations in Arctic environment. The vessel is designed with full FFV-1 fire fighting capability, as well as DP2 equipped for station keeping. The vessel is designed to optimize anchor handling capability, but still has capability to carry up to 600 mT of deck cargo as necessary, with deck loading of 10mT/square meter. The vessel is outfitted as an Oil Recovery Vessel Class 1, with tanks that have a minimum capacity of 400 m3 of weathered oil.

A variety of propulsion options can be provided as well as various options for gear handling. A gantry crane or a pair of rail cranes or fixed cranes may be installed to suit particular requirements. Propulsion can range from conventional mechanical drive through diesels to diesel-electric propulsion with azimuthing stern drives or Voith VSP units with integral roll dampening capability. Provision storage for up to 40 days duration is provided.

Crew's accommodations can be adjusted to suit the particular client requirements, and includes lounge, offices for the ship's crew as well as the charterer, and outside staterooms each with individual heads. A dedicated hospital is provided, capable of handling up to two individuals at a time. Bridge is open and spacious with separate consoles for ship handling and winch controls aft, a DP console and sufficient room for installation of charterer's equipment module.



Vessel Specifications

Overall Dimensions

Length	82.1 m (269')	Bow-Thrusters	Electric drive, 2 x Rolls Royce Model TT-2240, each rated at 1,500 kW continuous
Breadth	20.2 m (65'-6")	Propulsion	Diesel-electric drive, 2 x ABB Azipods or Rolls Royce ARC1 azimuthing stern drive units rated output of 75mT each for bollard pull
Depth	11 m (36'-1")	Electrical System	2 x MaK 12M32C gen-sets, each rated at 5,760 kW 2 x CAT C280-12 gen-sets, each rated at 3,630 kW
Capacity	2,900mT DWT	Accommodations	27 berths (additional berthing as required can be installed)
Fuel Oil	1,651 cubic meters		
Fresh Water	274 cubic meters		
Speed	13 Knots at 85% MCR		
Bollard Pull	Min 150 metric tons		