



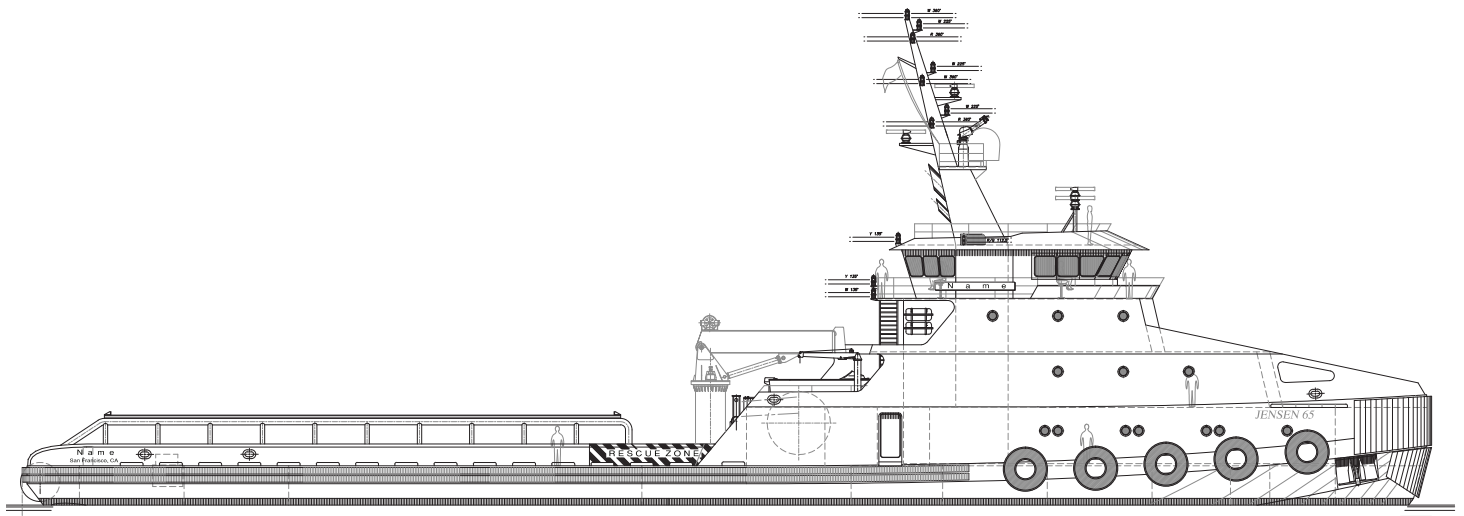
SPS-18050

## 55m Arctic Support Vessel

The Arctic Support Vessel was developed to provide a stable and robust platform for various Arctic operations. With its 170 metric ton bollard pull, the vessel is capable of towing and supporting rig installation, and is also capable of handling anchors up to 10 metric tons in weight. Stern and bow thrusters provide for an ABS DPS2 notation. Dual drum anchor/towing winch also allows for tandem towing as well as other support operations. The vessel can be set up with required equipment to meet ABS FFV2 notation for fire fighting.

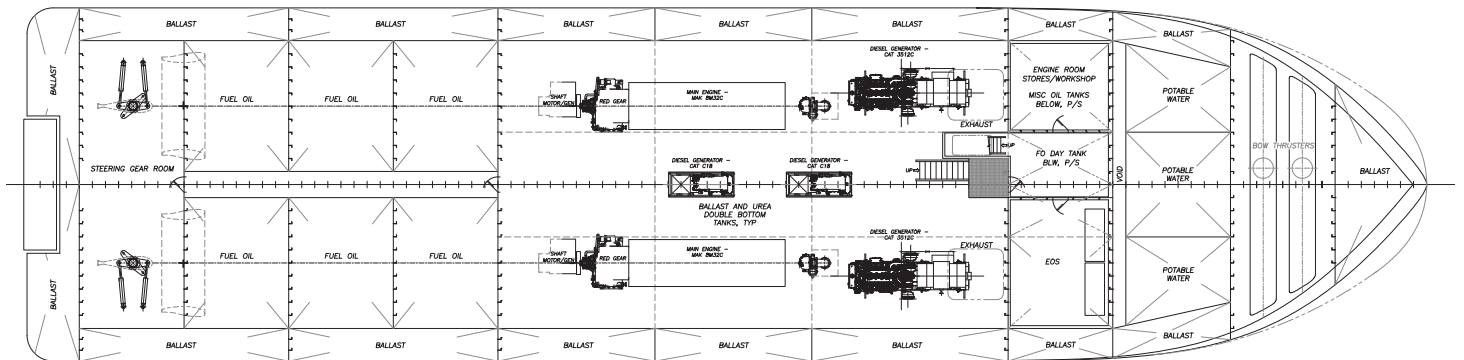
Spacious accommodations provide a base of a large crew for extended at-sea operations. A large Pilot House provides room for a variety of client specific equipment, as well as space for Ice Navigation. Deck lockers provide storage space for anchor handling and salvage gear, as well as other mission specific equipment.

The vessel is designed for zero discharge—all oil tanks are offset from the hull, and all gray and black water are captured in integral tanks. Vessel has both a trash compactor and storage for all trash generated aboard the vessel. While adequate room has been provided for installation of necessary scrubbers and after treatment equipment to meet Tier 4 EPA Emissions requirements, this particular vessel is designed around GE engines and generators that do not require any urea after treatment to meet Tier 4 requirements.



WATERLINE PROFILE

SCALE IN METERS  
SCALE IN FEET



HOLD PLAN

# Vessel Specifications

## Overall Dimensions

Overall Dimensions		Speed	13 knots cruise, 16 knots max
Length	180'-0" (54.9 m)	Bollard Pull	Minimum 170 metric tons
Breadth	50'-0" (15.2 m)	Main Engine	2 x GE 16V250, each rated @ 6,249 HP With Berg CPP propellers
Depth	26'-0" (7.9 m)	Diesel Generators	2 x GE 6L250, each rated @ 1,440 kW 1 x Cummins K19, rated @ 460 kW 1 x Cummins 6C EDG, rated @ 152 kW
Tonnage	<1600 ITC	Stern Thruster	1 x Berg tunnel thruster, 500 kW
Class Notation	ABS +A1, Towing Vessel, +DPS2, FFV2, Ice A0, +AMS, GP	Bow Thrusters	2 x Berg tunnel thrusters, 500 kW each
Fuel Oil	285,000 Gallons (1,079 m <sup>3</sup> )	Deck Winch	1 x Markey TDSD-40RWF, double drum, 2 x 3200-ft of 2-1/2" wire 240' of 3" chain
Fresh Water	25,000 Gallons (95 m <sup>3</sup> )		

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