



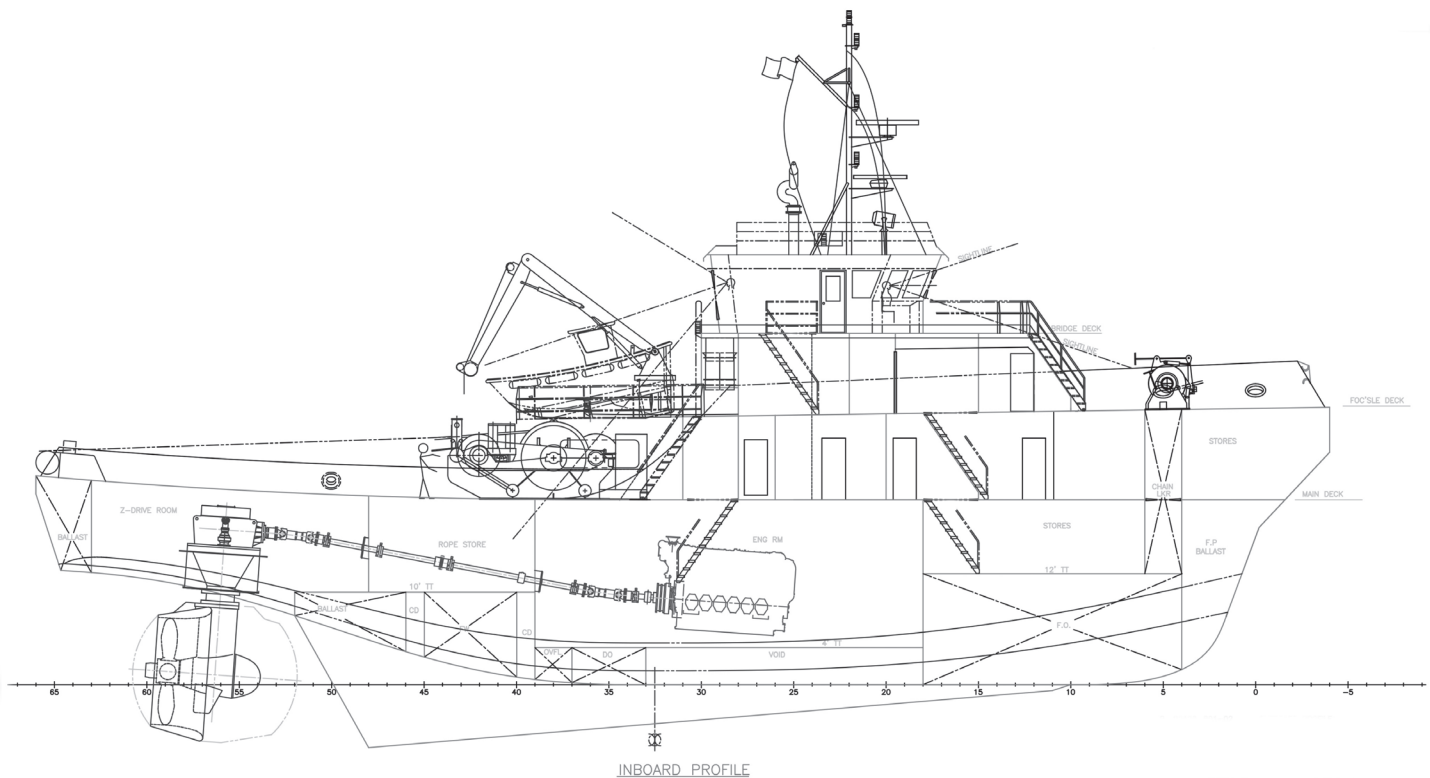
ALERT CLASS TUGBOATS

The Alert Class tugs are specifically designed for towing and escort work. They are powered by twin Caterpillar 3612B engines generating the combined 10,192 horsepower driving two Rolls Royce Aquamaster Azimuthal Drive Units with special ice resistant, stainless steel propellers. The state-of-the-art propulsion system enables the vessel to maneuver with near instant response achieving full thrust in any direction. The system can operate in either towing or pushing mode with equal effectiveness. This is achieved by the unique design which allows the propeller units to independently rotate on the vertical axis through 360 degrees thereby allowing full thrust to be projected in any direction.

Design features include accommodations for up to 16 personnel, Schuyler fendering, a Markey TDS-40 towing winch and Step Warmfloor heated decking.

Crowley innovations incorporated into the design of these tugs include a pilothouse control console arranged for maximum visibility and ease of use. All Crowley tugs are fully instrumented with pilothouse-controlled engine rooms, and are equipped with the latest navigational and communications technology.

Crowley operates the largest and most diverse fleet of tugs in the world. To learn more, or to put these boats to work on your next project, please contact our Crowley team today.



Vessel Specifications

Flag Registry

United States (U.S.)

Overall Dimensions

Length 140'
 Breadth 42'
 Depth 20'
 Loaded Draft ... 21.2'
 Light Draft 19.5'

Capacities

Fuel 146,615 gal.
 Potable Water 9,242 gal.
 Lube Oil 2,844 gal.

Engines

Main ... (2) Caterpillar 3612
 Aux. ... (2) Caterpillar 3304

Horsepower

10,192 maximum
 continuous BHP

Propulsion

2 Rolls Royce
 Aquamaster - model 5001 with special
 ice resistant stainless steel propellers

Bollard Pull

Aware 138 mT ahead / 122.5 mT astern
 Alert 136 mT ahead / 81.6 mT astern
 Attentive 138 mT ahead / 115.6 mT astern

Free Running Speed

15 kts.

Towing Winch

Markey, TDS-40

Towing Wire

Stern: 2.5" Dia x 2500', IWRCEIPS

Hawser Winch

Saturn 12 (HMPE) mainline 2-5/8" x
 750'. Min. BS 270 mt

Ship Rescue Package

Saturn 12 Pennant 3-1/4" x 250'
 Min. BS 411 mT, RP12 Nylon
 Grommet 5-1/4" x 40' Min. BS
 473.6 mT

Additional Info

Aware outfitted for NDZ
 operations

Specialty Outfit

Anchor Winch/Windlass, Single
 Drum - Markey WYWD-20

Total Accommodations

16

All information contained herein (including but not limited to any specifications, particulars, capacities, or capabilities) is believed to be correct, but is not guaranteed and is subject to change without notice.