



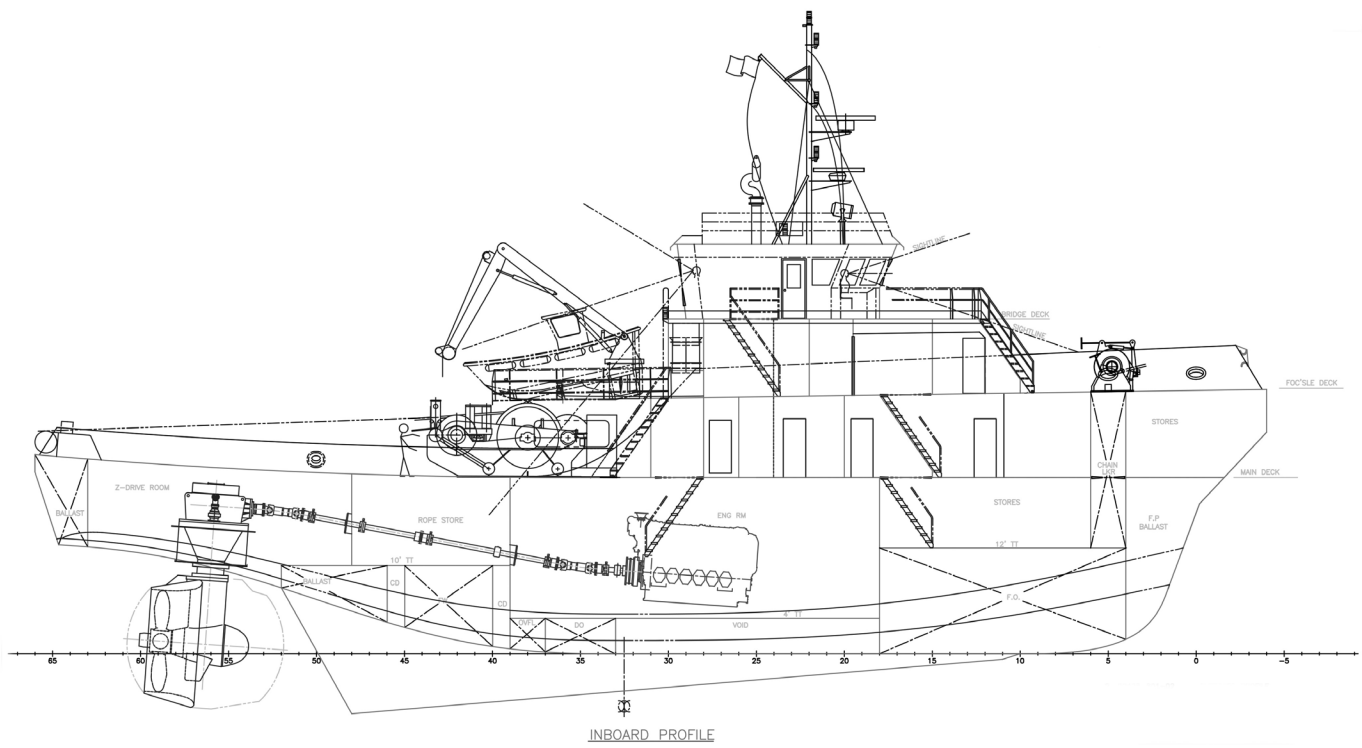
ALERT CLASS TUGBOATS

The Alert Class tugs are powered by twin Caterpillar 3612B engines generating the combined 10,192 horsepower driving two Rolls Royce Aquamaster, model 5001s 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 warm floor-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.
 Foam Concentrate 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

300,000 lbs. ahead

Free Running Speed

15 kts.

Towing Winch

Markey, TDS-40

Towing Wire

Stern: 2.5" Dia x 2500', IWRCEIPS
 Bow: 3.25" Dia x 800' + 3.25" Dia x
 100' Pendant, Saturn-12 (HMPE)
 Prince William Sound Emergency
 Tow
 Package: 5.0" Dia x 200'
 RP-12 (Nylon), 3.25" x 275'
 Staurm-12 (HMPE)
 Crowley Rescue Package: 3" Dia x
 450' AmSteel Blue (HMPE)

Specialty Outfit

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

Certification

ABS A1, Fire Fighting Vessel Class 1,
 U.S. Domestic Service, AMS

Unique Features-Equipment

- (2) Kepner Sea Curtain Boom (2000ft.)
- (2) DESMI Skimmers
- Complete Vessel Spray System - Capable of providing Fire Fighting Suppression and Vessel Protection Spray System (Class FFV1 Class 1) with permanently installed equipment.
- (2) 6,600 GPM Pumps
- (2) 6,600 GPM capacity water/foam monitors

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.