



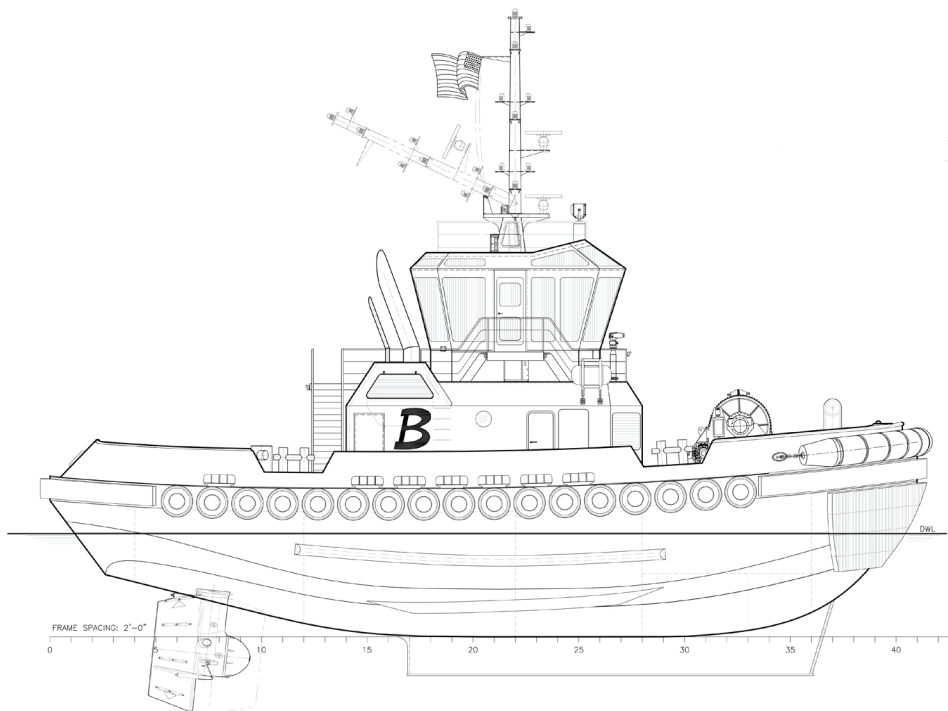
TIER IV TRACTOR TUG - APOLLO

The 82-foot Tier IV tractor tug is a U.S.-flag vessel designed for ship assist and escort. This 6000-horsepower tug is powered by twin Caterpillar 3516E, U.S. EPA Tier IV-compliant engines. The engines drive two azimuth stern drive (ASD) thrusters, and provide 81 tons of bollard pull while still remaining nimble while assisting ships.

This high performing tug exemplifies our continued commitment to providing the best technology and performance in our fleet of tugboats on the West Coast. The Tier IV engines are environmentally friendly and fuel efficient, while maximizing performance, and exceeding federal and State of California's environmental regulations.

With high safety and operational capabilities, the tug is specifically designed to handle all manner of conditions a vessel may face.

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.



GENERAL SPECIFICATIONS

Flag Registry

United States (U.S.)

Builder

Diversified Marine Inc.

Designer

Robert Allan Ltd.

Owner

Tug Noydena, Inc.

Operator

Crowley Ship Assist and Escort

Overall Dimensions

Length 82'
Beam 40'
Depth 13'9"
Maximum Draft 17'6"

Construction

Steel

Capacities (Approximate)

Fuel 21,964 gal.
Potable water 3,480 gal.
Ballast water 24,094 gal.
Black water 1,807 gal.
Grey water 1,807 gal.
Lube oil 253 gal.

Main Propulsion

(2) Caterpillar 3516E EPA Tier 4
@3,151HP each

Z-Drive

Two (2) Berg Propulsion Azimuth Thruster
MTA628

Bollard Pull

88 Short Tons

Ship's Service Power

Two (2) Caterpillar C7.1 Marine Genset,
150KW

Propellers/Waterjets

Two (2) 2700mm 4-Blade

Steering System/Controls

Caterpillar Electric Steering

Speed (Approximate)

12 knots

Crew/Passenger Capacity:

Six (6) / Zero passengers

Navigation/Communications Equipment

Transas navigation system
(2) Furuno FR8125 Radars, Furuno SC30
satellite compass

Ancillary Equipment

Fifi system – capable of 1250 GPM
CCTV system in all machinery spaces

*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.

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