



MONTANA & WASHINGTON

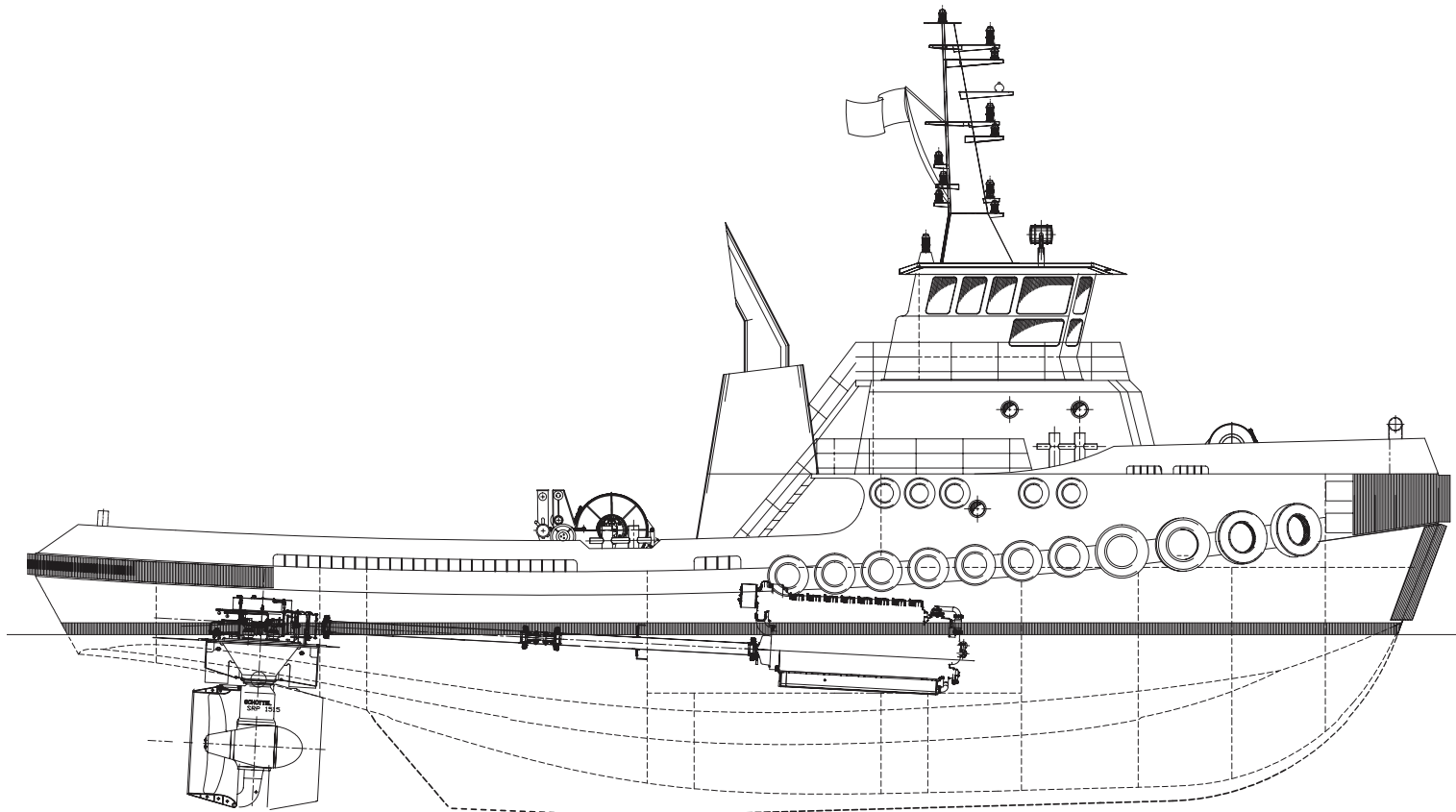
TITAN CLASS TUGBOATS

Crowley's Titan Class tugboats, *Montana* (Tier III, built in 2015) and *Washington* (Tier II, delivered in 2014), demonstrate the company's continued commitment to meeting the ocean towing needs of its project management clients. Designed by Crowley's in-house naval architecture and marine engineering team, these ABS machinery-class oceangoing tugboats measure 120' x 35' x 20' and are powered by twin GE 8L250 EPA engines, each delivering 2,679 HP (1,999 kW) at 900 RPM.

Both vessels are classified under ABS Maltese Cross A1 for towing service and machinery, offering superior fuel efficiency and reduced maintenance costs compared to other oceangoing tugboats with similar power ratings.

With a gross tonnage of 497 international tons and 91 regulatory tons, the Titan Class tugboats are fully compliant with standards for unrestricted global navigation. Their design supports scalable crew configurations, allowing operational flexibility to meet a wide range of project demands. Each tug is equipped with dual Schottel FP1515 Z-drive units, providing exceptional maneuverability, ideal for precision towing in ports and confined areas.

Crew safety and comfort are prioritized through acoustically dampened, fireproofed living quarters, featuring advanced NORAC and Danacoustic systems.



Vessel Specifications

Flag Registry

United States (U.S.)

Overall Dimensions

Length120' • 36.576m
Beam 35' • 10.668m
Depth21' • 6.4008m
Loaded Draft . 20' • 6.096m
Light Draft17'6" • 5.334m

Tonnage

U.S. Regulatory .91
International497

Capacities

Fuel158,000 gal.
Potable Water . .11,000 gal.

Main Propulsion

Montana
Main ... (2) GE 8L250 Tier 3
Aux. ... (2) 185KW John Deere/
Kohler Gensets

Washington
Main ... (2) GE 8L250 Tier 2
Aux. ... (2) 180KW John Deere
6081A/Kohler

Horsepower

Montana 5400 HP
Washington 5400 HP

Z-Drives Thrusters

(2) - Schottell FP1515; 2600mm
diameter stainless steel propeller,
outboard rotation

Continuous Bollard Pull

ABS Certified
Montana 82.5 tons
Washington 82.5 tons

Double Drum Tow Winch

Montana
Markey Series TESD-34 Double
Drum Winch
Starboard side: 2,600' of 2 1/4" wire
Port Side: 2,200' of 2 1/4" wire
Drum Brake Capacity: 283,000 lb

Washington
JonRie Series 500; 2,600' x 2-1/4";
1,800' x 2" wire; Independent
Capstan

Headline Winch

JonRie Series 200; 450'x7" Synthetic
Line Reel Plus Independent Capstan

Emergency Tow Line

600' 7" Dyneema Towing Package

Accommodations/Bunks

10

Navigation Equipment

Dual Radars, VHF Radios, Satellite
Communications, GMDSS

Builder

JT Marine Inc.

Designers

Crowley
Crescere Maritime

Certification

ABS + A1, AMS Machinery Class,
Towing Service, All Oceans

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.