CROWLEY®

THS-08240

Ship Assist Electric Tug

Crowley has developed a first of class, fully electric, ship assist tugboat. Utilizing a large battery system coupled with power saving technology enables the vessel to operate its mission in a fully electric mode producing zero emissions. The vessel has two (2) small generators for emergency use and to enable the vessel to transit longer distances at a reduced speed.

Designed with the vessel's operators and with no exhaust stacks, the tug has 360 degrees of visibility from the pilot's station allowing the operator to see all contact points without any obstruction. The tug has also been designed for future autonomous operation to increase the safety and efficiency of the operation.

The vessel was sized and designed to complete two ship assist jobs in the harbor with minimal to no charging required. The battery system is modular and can be maintained and upgraded for future battery technology improvements without any significant modifications to the vessel.

The tug is designed to ABS Class and compliant with U.S. Coast Guard Sub-Chapter M regulations.

206.332.8090
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Vessel Specifications

Overall Dimensions

Molded Length	82’
Length at Waterline	78’ 4”
Depth	17’ 9”
Design Draft	16’
Beam	40’
Bollard Pull	70 short-tons (estimated)
Speed	12 knots
Gross Tonnage (US Regulatory)	<200 GRT

Main Propulsion	6 MWh battery, Azimuthing drive, 2 x 1800 kW electric motors
Bow Winch	40HP Electric Render/ Recover Winch
Stern Winch	40HP Electric Render/ Recover Winch
Fuel	9800 gal @95%
Fresh Water	750 gal
Berths	4

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