

ART 80-32



Rotortugs provide marine pilots sustained vector control in all circumstances.

ART 80-32 provides towage with a commercial high-end, under 500 gross tonnage, performer. Hull form, propulsion- and towing arrangements were optimized to maximize manoeuvrability, towing leverage and economic performance criteria. The ART 80-32 is a framework design providing stakeholders with a canvas to meet the highest operational requirements in the most challenging conditions.

The ART 80-32 is a modern 80t bollard pull, 32 meter, high-end versatile ship-handling-, terminal- and escort tug platform suited for all tug duties subject to deck equipment outfitting. Fitted with the patented triple Z-drive arrangement the ART 80-32 features exceptional vector response and manoeuvrability. The ART 80-32 additional length and displacement provide additional escort performance capability in both indirect- and direct modes across all speeds between 10 to 0 knots.

Rotortugs are designed and developed within the frame

of tugs operational context. We focus on the big picture: How tugs are most effectively deployed and what design principles should be adhered to secure safer – and more effective operations. The Rotortug propulsion arrangement maximizes tug leverage and response, and minimizes jet-impinged thrust losses (propeller wash running into the assisted vessel).

Lifting operational constraints, Rotortugs provide marine pilots sustained vector control in confined spaces, between bridgeheads, during lock-operations and at all speeds.

By Rotortug

DIMENSIONS

Length oa	32.90 meters
Length waterline	30.25 meters
Beam oa	13.17 meters
Depth	4.82 meters
Draught	6.15 meters
Gross Tonnage	498

CAPACITIES

Fuel Oil	200 m ³
Fresh Water	30 m ³

PERFORMANCES

Free running speed	13.5 knots
Bollard Pull over stern	80 metric tons
Bollard Pull over bow	80 metric tons
Steering force (8 knots)	113 metric tons
Steering force (10 knots)	117 metric tons
Side stepping	7.5 knots
Fire Fighting	1



↪ **The sophisticated design combines high-performance, heavy duty equipment and high power with great aesthetics and human-machine interfacing.** ↪

The sophisticated design combines high-performance, heavy duty equipment and high power with great aesthetics and human-machine interfacing. We believe in maximizing tug performance by creating easy and intrinsically safer tugs to use. This means human factored engineering at all levels. From the AB securing safer workspaces, avoiding trip hazards and easy walk-throughs, to the chief engineer doing maintenance and tug master with ergonomic bridge lay-out and clear view of the AB workspaces and around the vessel providing natural safety checks.

Jointly with Robert Allan Ltd, our naval architect partner, we are able to develop, and include, the latest tug-related technology in our designs. Thirteen ART 80-32's have been delivered and operate in the Bahama's, Australia, UK and Germany since June 2014, including two hybrid tugs.

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