

e1800 Hull Unit Features & Specs

DESCRIPTION

Quantum's e-FIN Hull Unit (e1800), is the latest cutting-edge solution for electric stabilizers offering unparalleled energy efficiency, responsiveness, and durability. The e-FIN servo motor receives the appropriate voltage and current from the EPU, to produce precise motion. This motion is converted in the compact housing with a unique, Quantum designed reduction gearbox, to seamlessly rotate the fin to the optimal velocity and angle. The fast responsiveness of the electric system provides instantaneous stabilization where it is needed. The rugged lower bearing housing with double roller bearings ensures minimal maintenance. In addition, a hand operated locking mechanism is easily accessible to center the fins, should an unexpected power failure occur.

FEATURES

- Low power profile
- Lowest dB noise generation in class
- AC and DC Volt options
- Designed for standard and XT™ fin systems
- Passive air cooling, eliminating cooling water failure points
- Easy access and minimal maintenance

DETAILS

DESCRIPTION	SYMBOL	UNIT	VALUE
Ambient temperature range for operation with nominal data	T _{AME_NOM}	°C	-5 ... +45
Cooling type			Active air cooling
Protection category IP to EN 60529			IP 54
Mechanical operating range	°	deg	-55 to +55
Motor (max. output)		kW	1590x821x1306

Equipment is covered by Quantum's 1 year comprehensive warranty.
Service and technical support are available worldwide



Typical Vessel Length (for a pair)*	36m - 76m (120ft - 250ft)
Typical Fin Size Range**	2.7m² - 5.0m² (29.06–53.82 ft²)
Typical XT™ Fin Size Range**	2.8m² - 5.2m² (30.14–55.97 ft²)
Hull Unit Height (Overall)***	1590mm (62.60")
Dimensions (L x W x H) (inside vessel after installation)***	1306mm x 821mm x 1065mm (51.42" x 32.32" x 41.93")
Hull Unit Weight***	1206kg (2659 lbs)

* Provided for reference only. Consult a Quantum representative for system sizing.
** Size may be limited for higher speed vessels; see a Quantum representative for more information.
***Dimensions are of the equipment, and do not include service allowances.

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