



Electric Auxiliary Winches (eAUX) series

Go green!

- Improved operational performance
- Low installation and maintenance costs
- Reduced power consumption
- Environmentally-friendly

As well as the **MacGregor electric anchor-handling/towing winch (eAHT) series** and **MacGregor electric secondary winch (eSCW) series**, Cargotec also delivers a wide range of electric auxiliary winches, safe deck handling gear and dry bulk cement handling systems for offshore support vessels.

The **MacGregor electric auxiliary winch (eAUX) series** comprises: anchoring/mooring/towing winches on the forecastle deck; tugger winches next to the main anchor handling/towing winch; chain pulling winches on the working deck; storage reels on the upper deck; mooring capstans on the aft deck; stern rollers aft and various chain and wire leads and guiding rollers on deck. These winches are designed with single, multiple speeds or variable frequency electric drive, and inherit the best characteristics of proven designs to ensure safe operation and easy maintenance. They also combine improved operability with a low environmental impact, reduced power consumption and low installation costs.

All eAUXs are designed to meet the most stringent offshore standards, including those set by the Norwegian Maritime Directorate (NMD). Before delivery as a complete or multiple assembly unit for easy installation on board, all equipment is fully tested electrically and mechanically at our factory.

TECHNICAL INFORMATION

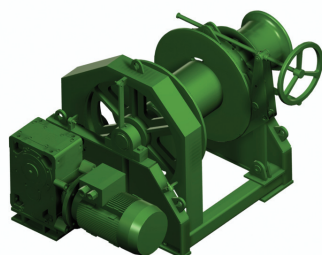
eAUX series – winches





The **MacGregor electric anchor windlass/mooring/towing winch (eAW/eAM/eAT) series** is designed with the most advanced anchoring, mooring and towing technology. The unit can be of different configurations with a stand-alone chain lifter in a vertical or horizontal arrangement or in combination with a mooring or towing drum customised according to a customer's needs. Variable frequency drive offers a wide range of smooth speed control, including high speed operation at light-line speed on the drum, as well the warping end. In stalling condition, the excellent overload characteristic allows chain or rope tension to be controlled at zero speed.

For large wire drum capacities, an automatic mechanical spooling device will be fitted. Independent electric drive spooling devices are available as an option, as are length, tension monitoring and auto tension. Hydraulic or pneumatic operated brakes and clutches are available for remote operation of drums.



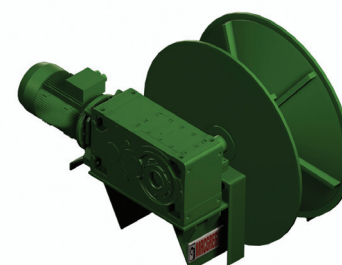
The **MacGregor electric tugger winch (eUW) series** is designed with line pulls ranging from 5 tonnes to 30 tonnes. For remote operation of drums, hydraulic or pneumatic operated brakes and clutches are available as optional features. A local control is provided next to the winch. Pendant controller or remote control from wheelhouse are also available as options.



The **electric storage reel (eSW) series** is designed with line pulls ranging from 3 tonnes to 20 tonnes. Reels are available in single or double drum side-by-side arrangements. A special socket compartment for various rope sizes can be integrated on the drum according to customised needs. A local control is provided next to the reel. Standard reels are furnished with a manual parking stopper, however, a manually-operated band brake is available as an option.



The **electric MacGregor capstan (eVC) series** is designed with line pulls ranging from 5 tonnes to 30 tonnes. A non-declutchable storage drum is available as an optional item for assistance with aft-deck wire or chain handling. A local control is provided next to the winch. Pendant controller or remote control from wheelhouse are also available as options.



The **MacGregor electric chain handling winch (ePW) series** is designed with variable frequency electric drive. It is a portable unit for easy mounting on board. The advanced drive technology allows safe use of various chain sizes ranging from 76mm diameter up to 160mm diameter by limiting the load on the chain to a preset value. A portable pendant controller is supplied with the winch. Various chain guide rollers and adjustable guide rollers for routing various chain sizes on deck are also available.

Green technology for the next generation!



Lloyd's Register Quality Assurance certifies that the Quality Management System for Cargotec Marine is ISO 9001:2008 compliant.

Cargotec improves the efficiency of cargo flows on land and at sea – wherever cargo is on the move. Cargotec's daughter brands, Hiab, Kalmar and MacGregor are recognised leaders in cargo and load handling solutions around the world.

MacGregor is the global market-leading brand in marine cargo handling and offshore load-handling solutions. Customer-driven MacGregor engineering and service solutions for the maritime transportation industry and the offshore load-handling and naval logistics markets are used on board merchant ships, offshore support vessels, and in ports and terminals.



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