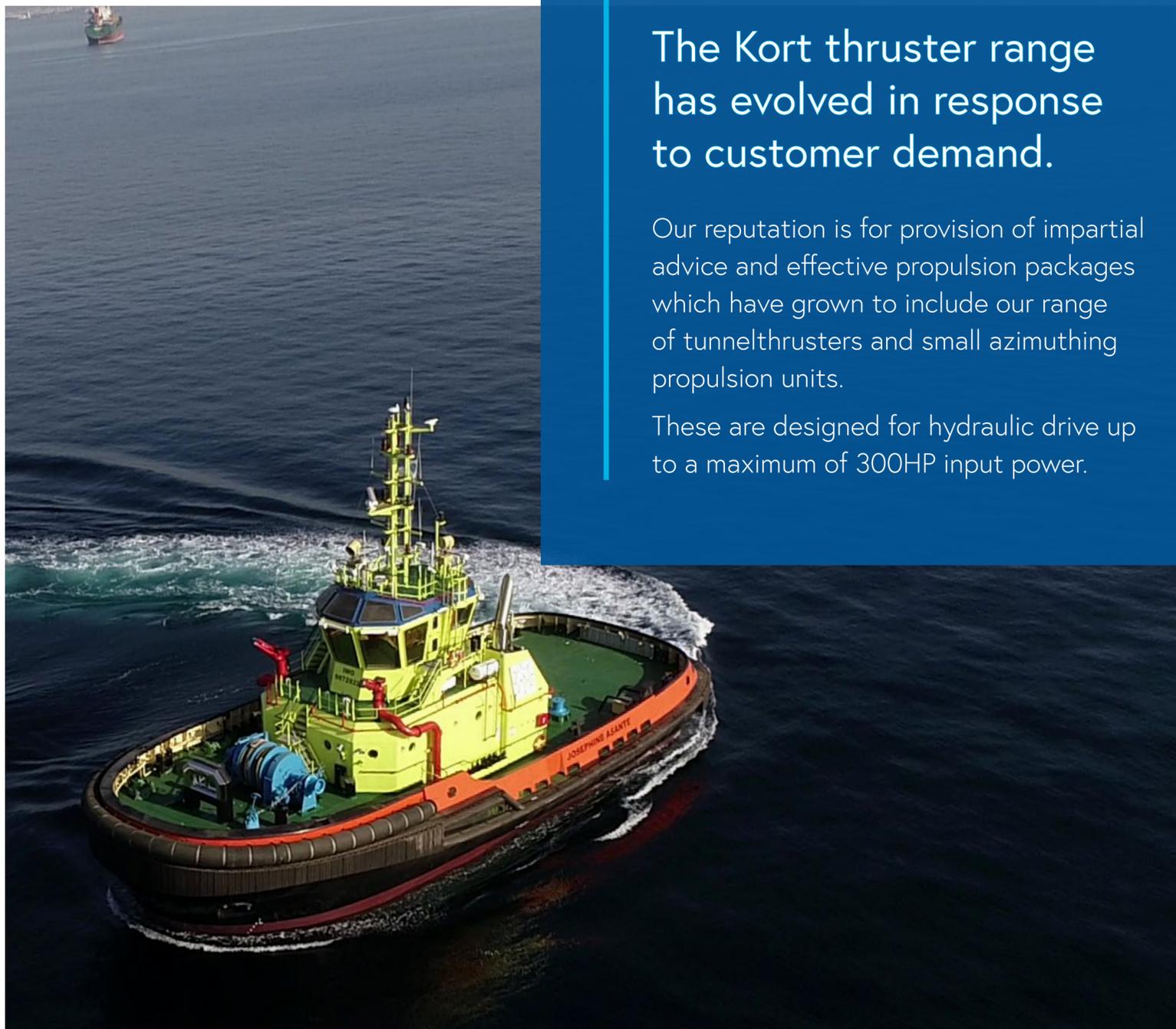


Kort Thrusters

The Kort thruster range has evolved in response to customer demand.

Our reputation is for provision of impartial advice and effective propulsion packages which have grown to include our range of tunnel thrusters and small azimuthing propulsion units.

These are designed for hydraulic drive up to a maximum of 300HP input power.



Kort Range

Our thrusters are primarily designed for commercial displacement vessels but have been successfully fitted to planing craft and inland waterways pleasure craft.

Long service life and ease of maintenance have been key factors in design and development.

Models KT30-KT170 have the hydraulic motor fitted in the drive housing directly coupled to the propeller shaft which runs in taper roller bearings housed in the nose cone assembly. These are pre fitted and tested prior to delivery.

Models KT200-KT300 have a lower gearbox within the tunnel with the hydraulic motor plugged into the input housing inside the vessel. These larger units can also have diesel drive via a cardan shaft and right angle gearbox. A range of ratios is available to suit engine rating.

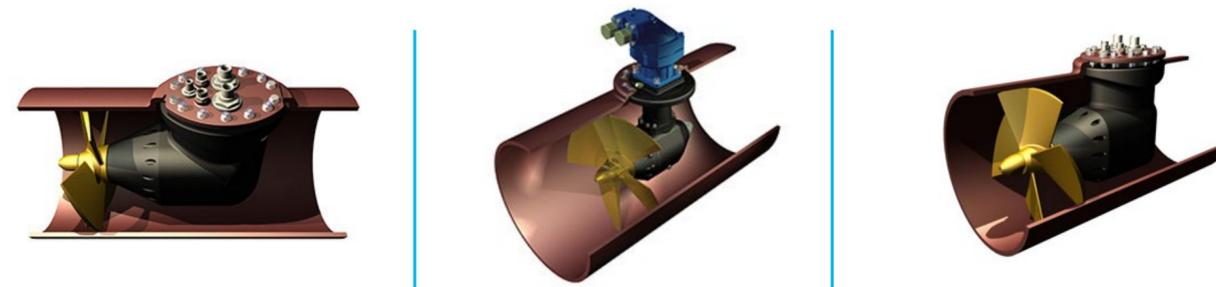
All models can be supplied to suit a range of system operating pressures and can be integrated with either closed loop or open loop hydraulic systems.

All units are supplied with a comprehensive instruction manual.

Our joint experience working with shipbuilders and repairers has influenced the design of our thrusters, resulting in lower installation costs and more reliable commissioning.

Hydraulic services and testing can be carried out on site in conjunction with Hercules Hydraulics.

Tunnels are supplied in standard lengths in mild steel, aluminum or grp with stainless steel ring in way of the propeller.



Wheelhouse Controls

Our intelligent wheelhouse controller gives big boat performance at small boat cost.

The Thruster Controller is a 24V DC unit, sealed to IP65 standards for wheelhouse or protected external locations only. Thrust control is via a proportional "put and stay" joystick. Each unit can be selected for duty or set to standby and monitors four alarms. The unit is pre-wired, tested and supplied with plugs and two metres of cable.

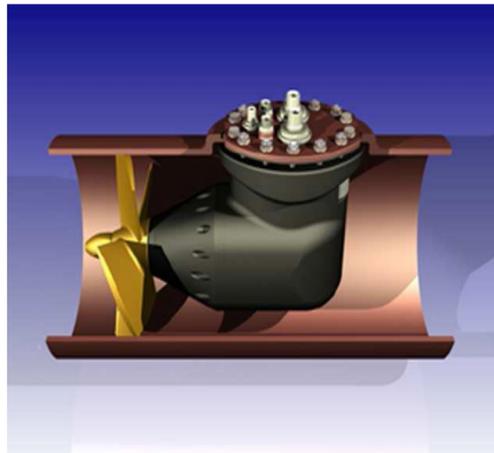
Incorporating a proportional control, warning lights and a test for alarm it can be integrated with an autopilot and either single or multi-station systems with full control can be supplied.



Installation & Maintenance

All units are supplied with a comprehensive instruction manual.

Experience working with shipbuilders and repairers has been a central factor in the design of Kort Thrusters resulting in lower installation costs and more reliable commissioning which can normally be carried out unsupervised.



Hydraulic Tunnel Thrusters

Model	Propeller	Input (kW) (Pump/Motor)	Thrust (Kg)	Tunnel Length (mm)	OD of Tube (mm)
KT30	375	21/19	320	800	406
KT45	375	29/27	420	800	406
KT70	505	31/28	500	900	559
KT90	505	41/37	620	900	559
KT120	505	62/56	800	900	559
KT140	700	58/53	970	1250	762
KT170	700	96/88	1360	1250	762
KT200	750	115/105	1625	1500	813
KT250	750	187/170	2235	1500	813
KT300	750	240/223	2700	1500	813