

## Special Features and Options



Twin 350 HP Hydromasters powering the Sandaka ferry at 8 knots in hostile waters



Pusher tug with 700 tonnes load, operating in England's narrow canals. Powered by a single 180 HP unit

- Safety microswitches for engine throttle lever, clutch, propeller depth adjustment (P.D.A.) and angular elevation.
- Self-lubricating, corrosion free sliding services on P.D.A.
- Automatic steering lock on angular elevation.
- Safety valves for all hydraulic systems.
- Local emergency steering.
- Electronic engine speed control.
- Auxiliary hydraulic systems.
- Support frame to alleviate hull mounted steady bracket.
- Customised design service

## Control Systems

Within the 50 – 175 HP range both local and remote control is available as standard. All units from 180 HP are normally remote controlled.

On **locally controlled** units a steering column is mounted on the Hydromaster chassis. The steering wheel is hydraulically power assisted with automatic mechanical backup. Additional controls and instrumentation comprise hydraulic elevation solenoid, combined lever for engine throttle and forward/reverse gear and all gauges and alarms required to monitor and control unit operation.

All **remote controlled** Hydromaster's are supplied with a desk type free-standing console for wheelhouse mounting. As standard, consoles are available for control of up to four propulsion units. The controls and instrumentation comprise engine throttle lever, steering joystick switch with position indicator, propeller depth adjustment push buttons with indicator lamps, clutch push buttons with indicator lamps, all gauges and alarms required to monitor and control unit operation.

We also provide more extensive controls such as autopilot and dynamic positioning.



Remote control console for wheelhouse installation

