

ULTRAJET[®] 575

New UltraJet 575 Features & Benefits

- Compact design with jet-mounted control system
- High propulsive efficiency
- Superior manoeuvrability. Ability to accelerate quickly, reverse, stop, rotate, hold station and move sideways/easier docking
- Excellent resistance to cavitation in displacement craft - superior thrust at low boat speeds compared to other propulsion systems
- Lower vibration and noise levels than other propulsion methods
- Manufactured to highest military and marine quality standards
- Integral hydraulic oil cooler
- UltraJet Joystick Control Systems mean complex craft manoeuvres are easier for the operator. Simple to fit - supplied as plug and play
- Inboard hydraulic cylinder for reverse deflector operation
- Ultra-developed electrohydraulic reversing controls
- Integral jet-driven hydraulic pump
- Higher mid-range thrust for improved cruising speed and fuel economy
- Minimal service costs over life of system

Description

The **NEW ULTRAJET 575** with a 575mm (22.6") diameter impeller provides higher thrust per horsepower when matched to modern engines in the 800-1700 bhp range. The UJ575 is the latest in the range of high performance UltraJet drives developed for commercial, pleasure and military craft.

SINGLE STAGE design utilising five or six blade impellers to match the specified engine power at a range of input speeds.

The UltraJet 575 is derived from the Ultra and Dowty jet drive range used in military and commercial applications. The hydro-dynamically designed UJ575 incorporates an efficient and robust axial flow pump, reverse and steering controls, and is the culmination of over 45 years of research, development and practical experience.

Planing Craft (above 25 knots)

Maximum input power 1268 kW (1700 bhp). Higher input powers may be approved upon review of the application details. Suitable for craft displacements as follows:-

Single jet up to 23 tonnes (50,692 lb)
Twin jet up to 50 tonnes (110,200 lb)
Triple jet up to 80 tonnes (176,320 lb)

Displacement Craft (below 15 knots)

Maximum input power 596 kW (800 bhp). Suitable for craft displacements as follows:-

Single jet up to 51 tonnes (112,404 lb)
Twin jet up to 104 tonnes (229,216 lb)
Triple jet up to 160 tonnes (352,640 lb)

The upper displacement figures shown for planing craft are maximum displacement values for use only on very good planing hulls. Best efficiency would be achieved when using jets at the lower displacement figures or below.

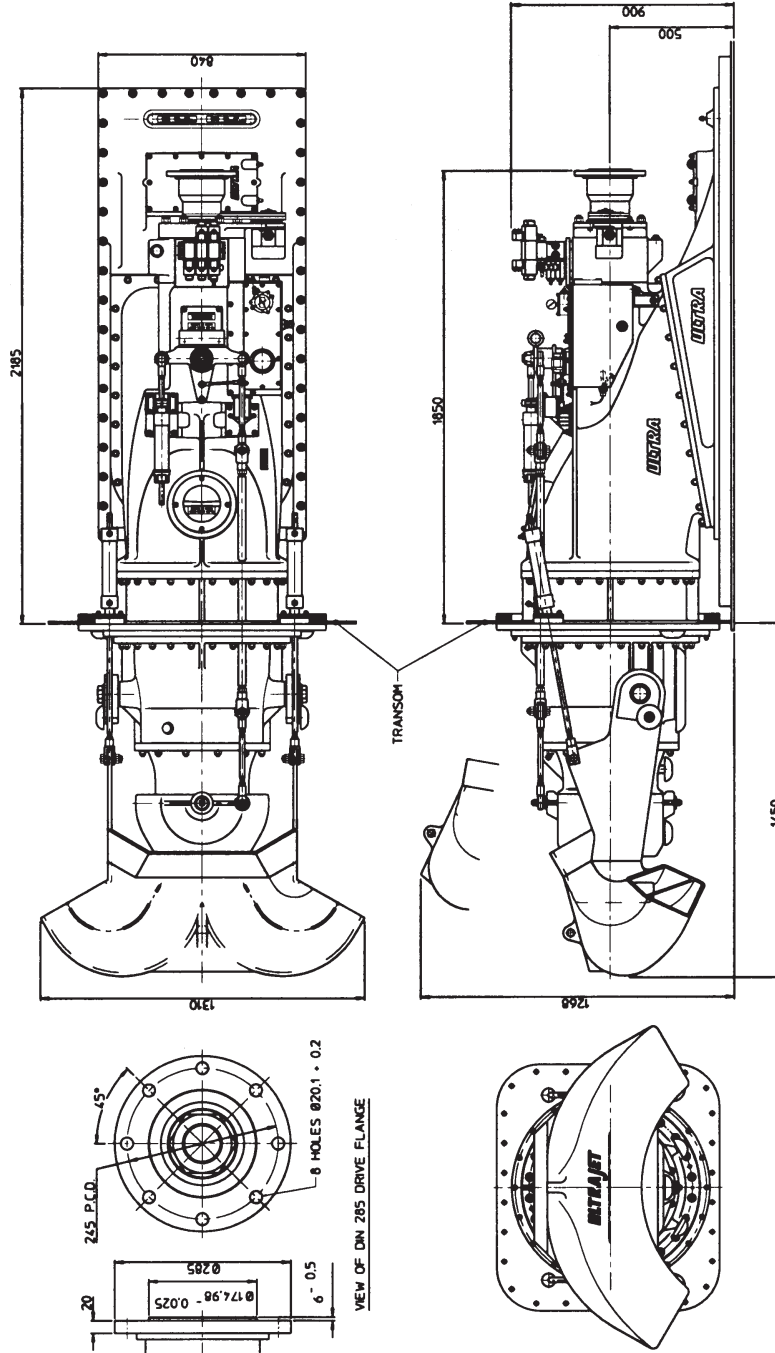


Ultra Dynamics is Lloyds ISO9001 Certified

UltraJet 575 Installation Data

Typical Specifications:

1. Impellers are available to match most diesel engine and transmission combinations for optimum thrust performance.
2. DIN, SAE or other drive flange options are available.
3. Unit weight 1,450 kg (3,196 lb.) dry (including hydraulic system and controls). 1,685 kg (3,714 lb.) including entrained water.
4. Consult ULTRA Dynamics Technical Department for vessel and performance analysis.



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*We have a policy of continuous improvement in design. Specifications may, therefore, be changed without notice.
When considering applications for this equipment it is recommended that our Technical Sales Department is consulted.*