



NEW

Advanced Waterjet Drive

TD 600 H.C.T.

CONSTANT EVOLUTION

1969

Castoldi launches the waterjet model Jet 05 which revolutionizes the waterjet market.

2017

Nearly 50 years later, with more than 40.000 units sold, Castoldi is proud to introduce the totally new Turbodrives 600 H.C.T. the largest in its range.



#Thrust #Compactness #Lightness #Durability



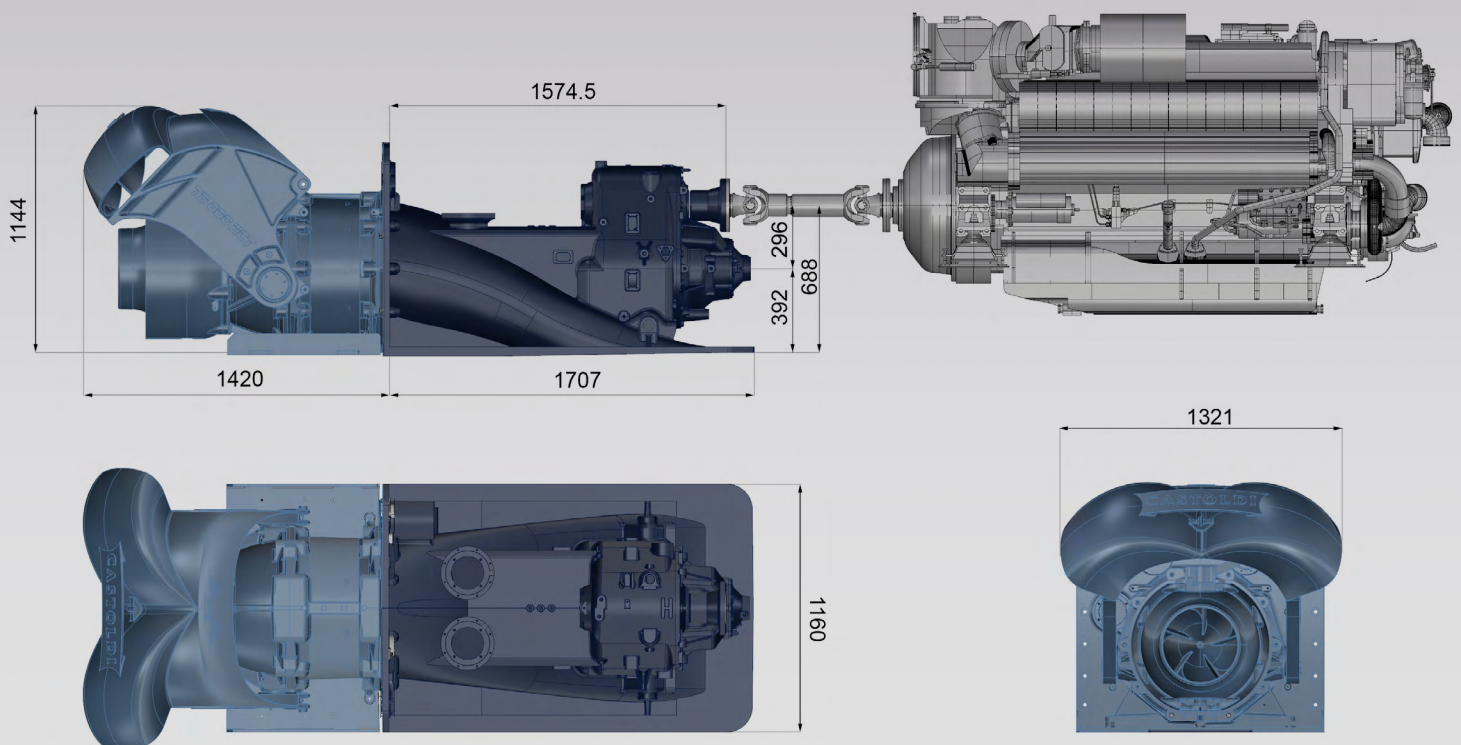
CASTOLDI

TD 600 H.C.T.

Turbodrive 600 H.C.T., with its unique design, delivers forceful thrust, making the most of its many exclusive features, such as: the integrated gearbox with multi-disc hydraulic clutch, Clear-Duct unclogging system, B.P.R, protected shaft housing, inducer and dedicated **ACES** modular electronic control system.

Costs are very attractive considering the excellence of the materials used, which include titanium and duplex stainless steel, while all aluminium alloy parts are protected by a hard anodization treatment.

DIMENSIONS



TD 600 H.C.T.

TECHNICAL SPECIFICATIONS

PRELIMINARY

Impeller	N.4 blades, single stage, axial flow
Impeller diameter	600 mm at the inlet
Stator	N. 5 blades
Integrated gearbox	With N.13 gear wheels ratio available
Input flange	Suit up to 285 mm diameter drive shaft flange
Max power input (intermittent duty)	1.985 KW (2.700 mHP)
Max power input (continuous duty)	1.655 KW (2.250 mHP)
Impeller disconnecting/connecting system	Built-in multi-disc hydraulic clutch
Transom angle	90°
Drive shaft rotation	Clockwise looking at the input driveshaft flange
Inspection hatch	N. 2, inboard
Hydraulic actuators	All inboard, waterjet mounted
Water pick-up for engine cooling	Suit 4" (101,6 mm) GAS
Hydraulic power unit and accessories	Incorporated hydraulic pump directly splined to the input shaft for the waterjet power controls. Solenoid-valves and piping complete the hydraulic plant (all inboard, waterjet mounted)
Unit dry weight (including gearbox, hydraulic clutch, water intake, grid, duct, anodes etc.)	1.650 kg
Hydraulic weight (oil pump, actuators, solenoid valves, brackets)	60 kg
Entrained water volume	385 L
Oil volume	56 kg "SAE 30" Uni-Grade oil type (gearbox and hydraulics)
B.P.R. (optional)	Additional water intake for take-off improvement
Water intake protection	Movable debris screen grid with double set of hydrodynamically profiled bars
Clear-Duct unclogging system (optional)	Superior unclogging system by simultaneous operations of impeller reversing and intake grid opening
Reversing system	Castoldi compact "Twin-Duct" reversing bucket. (75% of the forward static thrust)
Steering system	Castoldi steering nozzle integrated in a protective bowl
Full protection against marine corrosion	The whole unit is protected by a hard anodizing treatment, plating all light-alloy components with 60 microns thickness of aluminum oxide (ceramic), three layers of special paint and cathodic protection by sacrificial anodes



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CASTOLDI

Since 1962

Leaps ahead in marine products

Milano - Italy