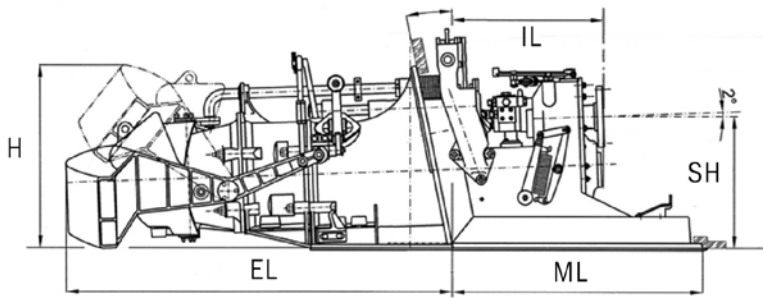
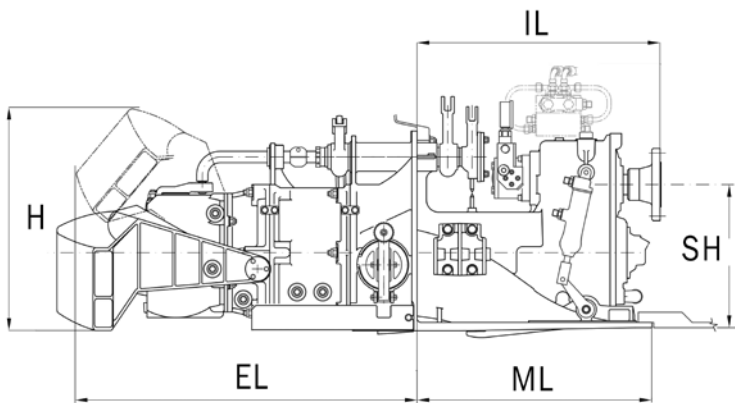


Castoldijet drive systems



Type 282



Types 240HC - 490HC

CASTOLDI water jet drive systems are manufactured in Italy by a large family-run company in a modern factory equipped with the latest computer- controlled machinery that also produces advanced agricultural equipment, welding and generating sets, and garden and agricultural tractors of modern design.

The **CASTOLDI** design of water-jet propulsion unit is unique in having the drive taken through a pair of gears that can be changed to match the units to a wide variety of gasoline and diesel engines from 30 to 1500 h.p. running at speeds from 1000 to 6000 r.p.m. This gear train also incorporates a dog-clutch that can be used to disconnect the engine from the jet to allow it to be run on no load, and without producing any disturbance of the water.

Table of dimensions

MODEL	DISP	EL	H	IL	ML	SH	TA	Weight Kg
240HC	2.5	893	433	358	358	296	12	130
282	4	1104	526	433	716	378	11.5	182
284HC	4	887	550	599	578	353	0	193
284LV	4	887	550	599	578	353	0	183
340HC	5	1034	645	736	810	406	0	307
400HC	10	1200	767	870	874	491	0	480
490HC	17	1524	903	1012	960	583	0	890

DISP is the suggested maximum boat weight in tons per jet unit. All dimensions are in mm.

General characteristics

- Twin steering deflectors
- Hydrodynamic reverse deflector allows infinite control of thrust from full ahead to full astern
- Remotely controlled moveable intake screen allows easy removal of debris
- Specially designed steering, forward/reverse and speed controls are available for all models
- Special controls are available for twin and triple engine configurations
- High quality corrosion protection is provided by anodising aluminium components, the use of a baked-on paint finish and extensive use of zinc anodes for cathodic protection
- No gearbox or clutch required on the engine
- Built-in water supply for engine cooling on 05, 238 and 240
- Simple installation with U/J or C.V. driveline
- No underwater appendages
- Highly efficient at speeds from 20 to 50 knots
- All jets can be matched by selection of appropriate gears from the Castoldi gear selection charts to a wide range of engine powers and speeds as shown on the HP/RPM operating zone chart and from there up to a maximum engine speed of 6000 RPM though 490HC is limited to 4800 RPM.
- HC models incorporate multi-disc hydraulic clutches, hydraulic intake grid clearing system and power steering.
- Control systems can be mechanical on 05 and 238, Hydromech or electric/hydraulic on all models and also full electronic with joy-stick manoeuvring on any of the HC models. Detailed choice varies with model.

HP/RPM operating zones

