

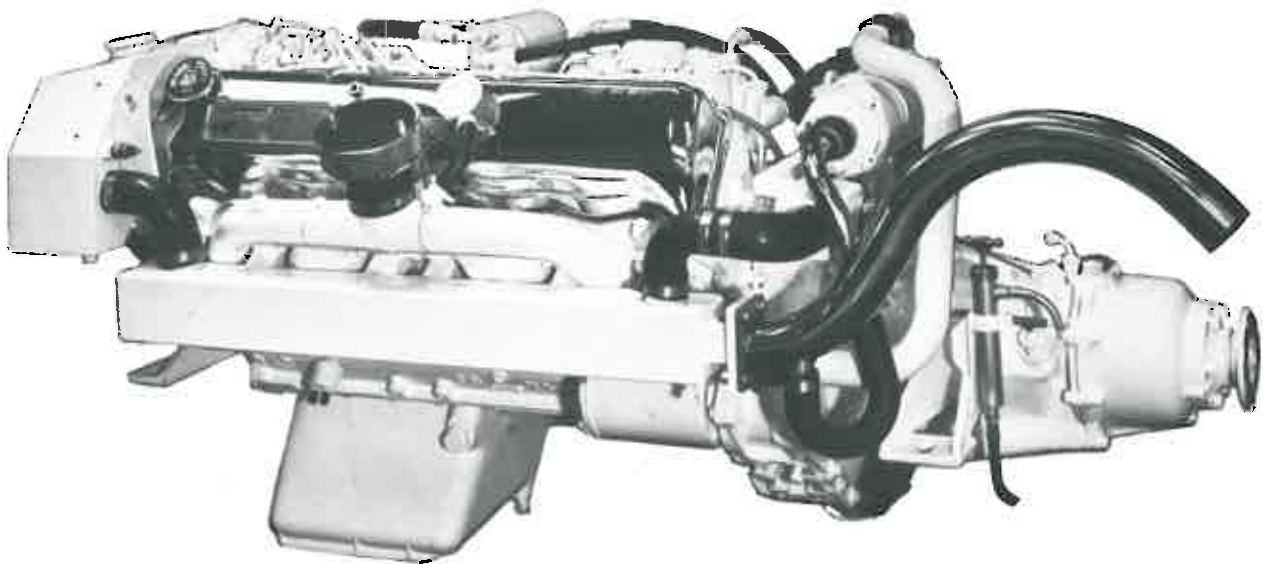
# Mermaid



## Marine Diesel Engine

### 'Flat-Six'

Developing 120 BHP at 2,500 rpm



**The Mermaid Flat-Six six-cylinder marine diesel engine is based on the well-proven Ford 2715E industrial engine, and has been developed to reduce height where its vertical counterpart, the Mermaid Mariner, cannot be installed. The engine is equally suitable for both pleasure craft and all commercial applications, and incorporates the following special Mermaid features:—**

A purpose-designed all-steel freshwater-cooled exhaust manifold, thus eliminating the corrosion problems associated with this vulnerable component.

A high capacity raw water circulating pump with a flow considerably in excess of normal requirements is incorporated as part of an entirely new cooling system incorporating an external and readily accessible thermostat.

A twin 'V' belt pulley drive for freshwater circulating pump and alternator for extra reliability.

Wide range of marine transmissions available to suit all types of applications.

High capacity dismantlable oil coolers are fitted, and heavy gauge water pipework with moulded rubber hose connections secured by high quality stainless steel clips are used throughout the raw water system.

Routine servicing is simplified by the incorporation of accessible spin-off oil filter cartridges and can be carried out by anyone with a basic diesel engine knowledge.

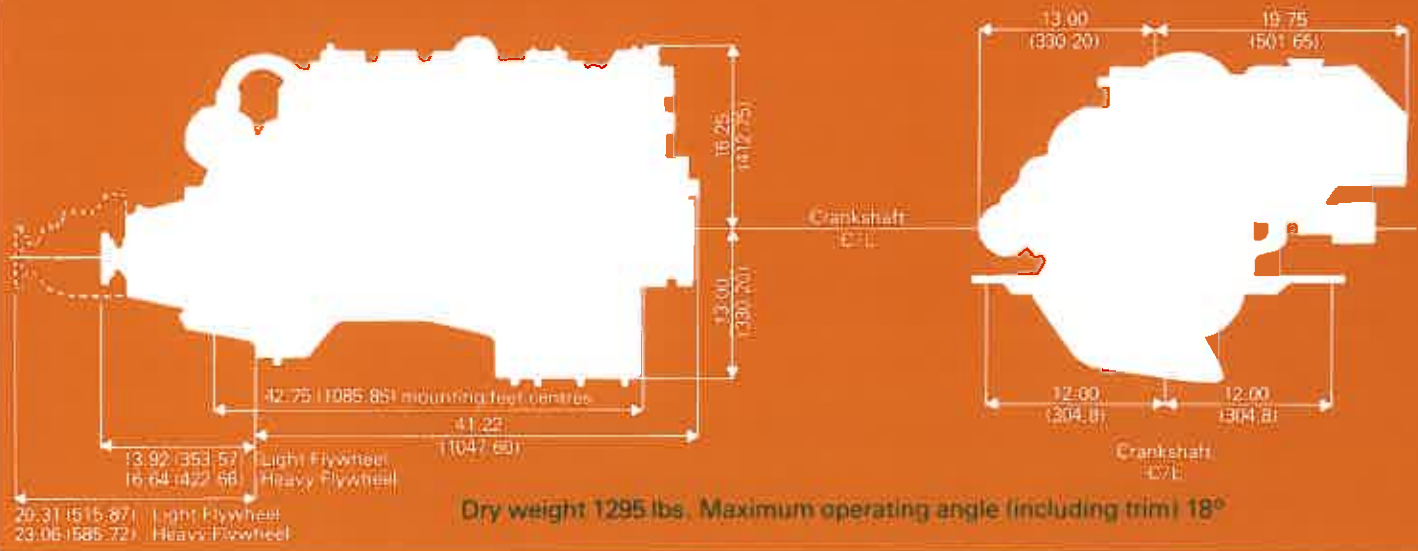


## Mermaid Marine Engines Ltd

# Mermaid 'Flat-Six' Marine Diesel Engine



Dimensions in inches (millimetres in brackets)



## Specification

<b>No. of cylinders</b>	6
<b>Bore</b>	4.22 ins. (107 mm)
<b>Stroke</b>	4.52 ins. (115 mm)
<b>Capacity</b>	380 cu. ins. (6220 cc)
<b>Compression ratio</b>	16 to 1
<b>Fuel injection</b>	Direct
<b>Lubrication</b>	Pressure throughout with full flow external, spin-off filter, and dismantlable oil cooler.

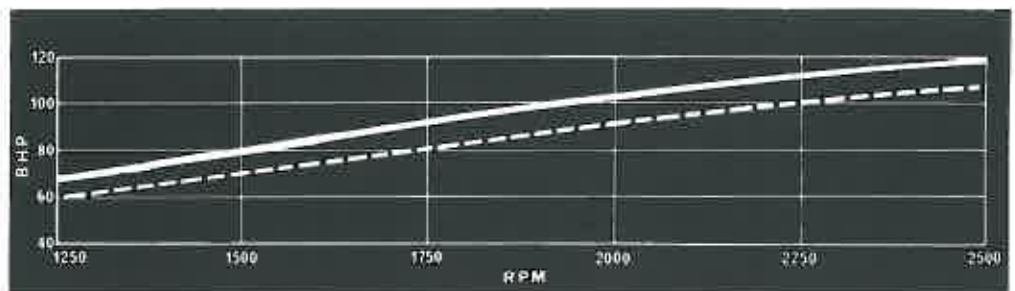
<b>Cooling</b>	Enclosed freshwater system, with Jabsco raw water pump, centrifugal freshwater pump and freshwater-cooled exhaust manifold with external type Amot thermostat.
<b>Fuel system</b>	In-line block fuel injection pump with fuel lift pump, dual-bowl fuel filter and variable speed governor.
<b>Electrical system</b>	12 volt electrical equipment is standard incorporating 38-amp. alternator, starter motor, starter switch and alternator indicator light. Optional extra equipment can include 12 and 24 volt insulated earth return equipment including specially screened regulator and controller boxes, as required.
<b>Marine transmissions</b>	Alternatives are available including Borg Warner Series 72CR and CR2, Self-Change type MRF 350 HD and Twin Disc types MG502 and MG506. Varying ratios from 1-1 to 3-1 are available in all the above type transmissions.

## Performance Details & Power Curve

— 1 hour intermittent rating  
 - - - Continuous rating

Engine r.p.m.	Maximum power available	Approx. fuel consumption (see note)
1500	80	1.60
1750	96	2.00
2000	102	2.75
2250	112	3.75
2500	120	5.50

Pressure boat rating



Note: Fuel consumption indicated assumes that propellers are correctly matched to allow full engine r.p.m. to be attained.

**Mermaid**



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