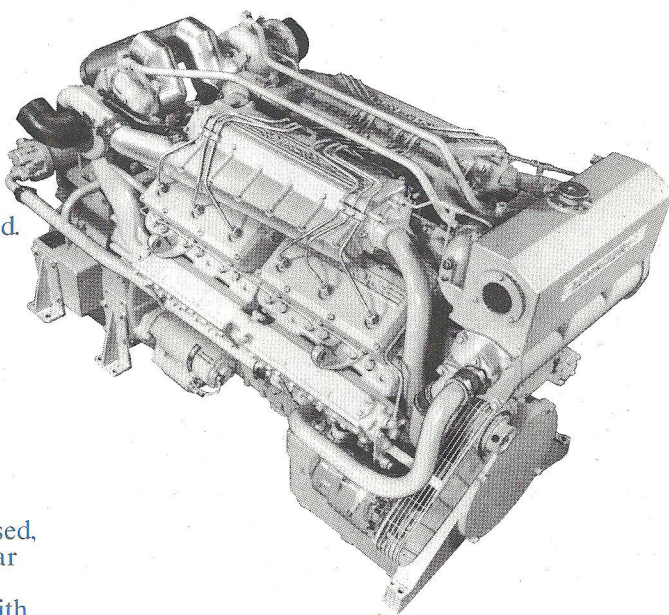


CV12M 800 Turbocharged Marine Propulsion Engine Specification

Type: 12 cylinders in 60° 'V' form, water cooled.
Bore: 135 mm (5.315 in.).
Stroke: 152 mm (5.984 in.).
Compression ratio: 14.5 : 1.
Capacity: 26,11 litres (1593.3 cu. ins.).
Induction: Turbocharged, charge cooled.
Rotation: Anti-clockwise viewed on flywheel.
Nett Dry Weight: 2800 kg (6170 lb.) with Twin Disc MGN 332-1.



Standard Features

- Thermostatically controlled, pressurised, closed circuit coolant system with gear driven centrifugal fresh water pump.
- Fresh water heat-exchanger cooling with 'Gilmecc' self-priming raw water pump.
- Fresh water cooled exhaust manifolds and turbochargers.
- Charge-air coolers integral with induction manifolds.
- Dry type air-cleaners.
- Fresh water cooled lub. oil cooler, integral with three full-flow, spin-on element lub. oil filters.
- Twin engine mounted fuel filters with spin-on elements.
- Fuel line water separator (loose).
- Front and rear engine mounting brackets.
- Front power take-off facility.
- S.A.E. No. 0 Flywheel Housing.
- Flywheel suitable for marine reverse/reduction gears to S.A.E. J 620d size 18.
- 24 volt, insulated return marine electrics with 35 amp alternator and associated electrical equipment, including battery master switch and start button.
- Instrumentation includes:- Tachometer, ammeter, coolant temperature gauge, engine oil pressure gauge, oil pressure switch, coolant temperature switch, and engine hours counter.

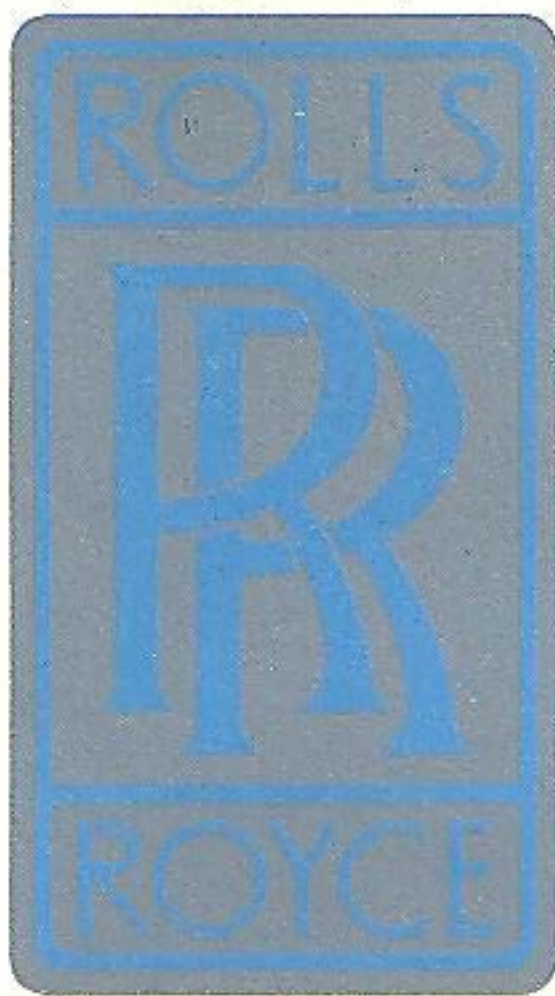
Optional Equipment

A list of optional equipment will be supplied on request.

Gearboxes

A full range of marine gearboxes are available including Twin Disc models MGN 332-1, MG 520 and ZF-BW 195.

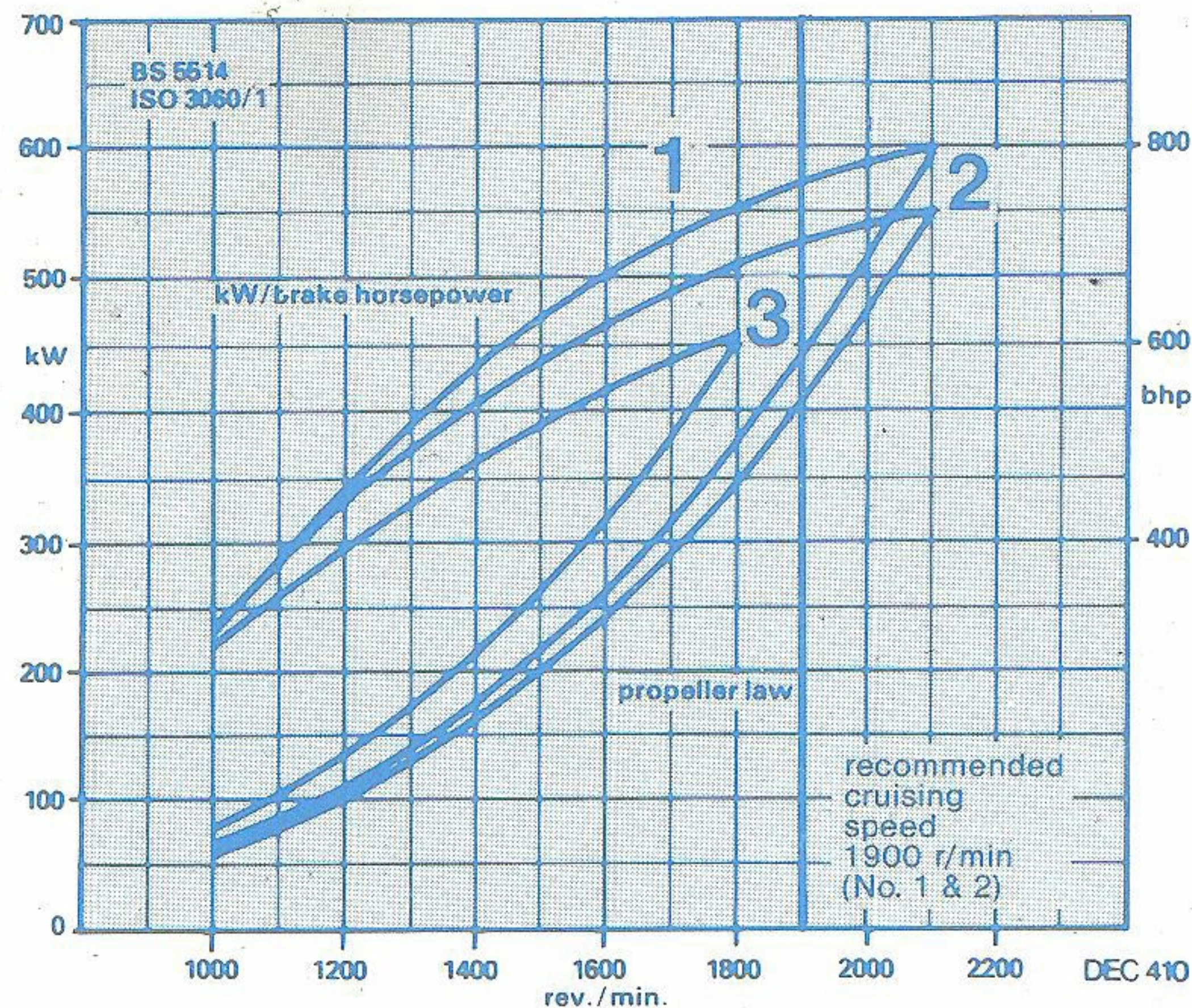
Note:- fitted gearbox will include oil cooler, associated pipework and propeller shaft half coupling.



Diesels

CV12M 800 - Turbocharged Marine Propulsion

Power Curve



Fuel Consumption

The table gives approximate fuel consumption for an engine operated at rated power, rated speed and gives typical values for average lower speed operating conditions.

Engine Power	Fuel Consumption						
	Full power			Average operating			
Speed rev/min	Load bhp	gal (Imp) /h	US gal /h	litres /h	gal (Imp) /h	US gal /h	litres /h
2100	800	29.2	35.1	132.7	20.6	24.7	93.6
2100	735	26.8	32.2	121.8	19.0	22.8	86.4
1800	610	21.0	25.2	95.5			

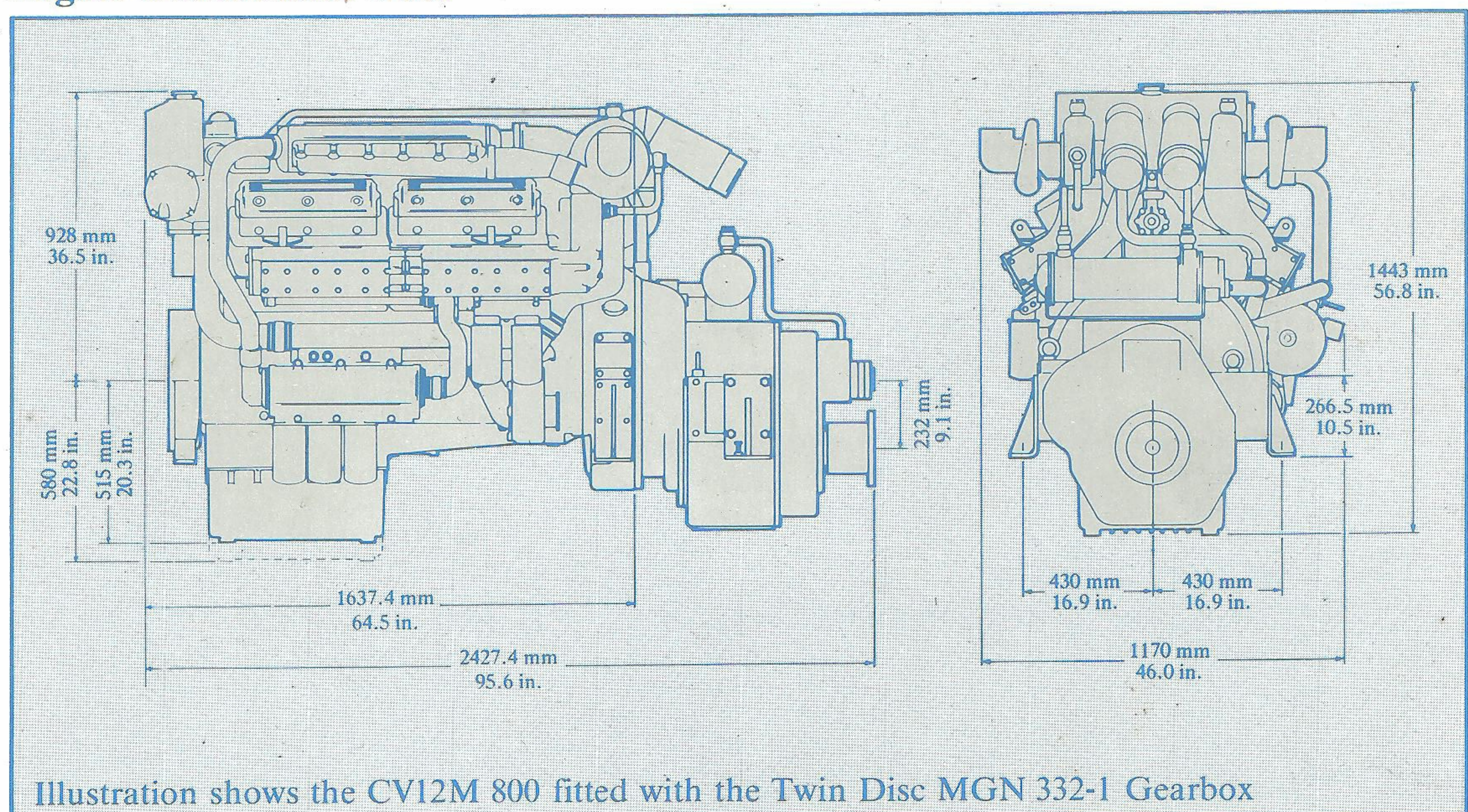
Demirhan Sadıkoğlu
2015

Rating standard ISO 3046/1 : 1981, BS 5514 : 1982 and DIN 6271.

Typical Applications - the engine is available with power ratings in the following applications:-

Pleasure — Rated Gross Power 800 bhp (597 kw) at 2100 rev/min.	1	Sports Fisherman, Motor Yachts, Trawler Yachts, and all types of Cruiser. Rating not to be offered for variable pitch applications.
Light Duty Commercial — Rated Gross Power 735 bhp (548 kw) at 2100 rev/min.	2	Rescue Craft, high speed personnel launches, patrol, police and customs launches, Pilot boats and Ocean-going yachts where normal continuous cruising speed does not exceed 1900 rev/min. Rating not to be offered for variable pitch propeller applications without consulting Perkins Engines (Shrewsbury) Ltd.
Heavy Duty Commercial — Rated Gross Power 610 bhp (455 kw) at 1800 rev/min.	3	The maximum rating recommended for continuous running. This rating is for Heavy Duty Commercial applications such as Ferries, Workboats and Offshore supply vessels.

Engine Dimensional Data



"The information given in this leaflet was correct at the time of printing, but in view of the Company's continuing efforts to the development and improvement of its products, the information may have become out of date when you read it. Perkins Engines (Shrewsbury) Ltd will confirm or update the information on request. Neither this leaflet, nor the information given in it constitutes an offer for sale by Perkins Engines (Shrewsbury) Ltd".

Perkins
Engines

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