



### V8.540 VEHICLE ENGINE

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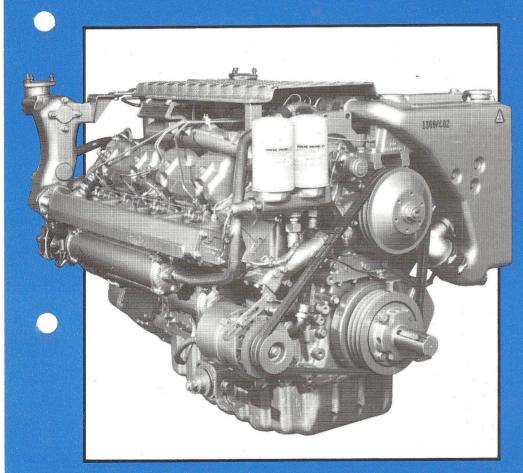
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Perkins

## Perkins MARINE POWER

V8.540(M)



A naturally aspirated eight cylinder diesel in 'V' configuration for smooth operation. Built to a premium specification and ideally suited to commercial use. Its low profile and space saving envelope optimises the power/space ratio.

141,7 kW/190 bhr

### **General Data**

Bore/Stroke: 108,0 mm (4·25 in)/120,7 mm (4·75 in)

No. of cylinders: 8, 90° vee form
Cubic capacity: 8,83 litres (539·1 in³)
Cycle: 4 stroke Aspiration: Natural
Combustion System: Direct injection
Rotation: Clockwise viewed from front
Fuel pump: CAV Minimec in-line

Governing: Mechanical

Cooling: Heat exchanger freshwater cooled with

Borg Warner reduction gearbox

Weight: 889 kg (1957 lbs) Electrical: 24 volt system

**Power take-off:** From front end extension shaft **Installation angle:** Max. static angle of 17°, allowing further 3° rise underway, also 5° nose-

down for vee-drive application.



## V8.540(M) MARINE DIESEL

## Typical Applications

The engine is available with power ratings for continuous duty in the following applications.

Pleasure: Sports fishermen, trawler yachts and all types of cruisers.

Light Commercial: Survey vessels, crew and personnel launches. Patrol craft, police and customs launches. Pilot boats. Commercial fishing boats with high speed capability. Harbour masters' launches.

Heavy Duty Commercial: Tugs, barges, fishing boats, ferry boats, coastal workboats etc.

## Fuel Consumption

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

Engine power		Full power Fuel consumption			Average Operating Fuel consumption		
Speed	Load	Uk gals.	US gals.	litres	UK gals.	US gals.	litres
rev/min	bhp	per hr.	per hr.	per hr.	per hr.	per hr.	per hr.
2400	177	8·6	10·3	39	4·3	5·2	21
2000	157	7·2	8·6	36	3·9	4·6	19

Alternative Ratings: 177 bhp at 2400 — light duty commercial or pleasure craft 157 bhp at 2000 — heavy duty commercial



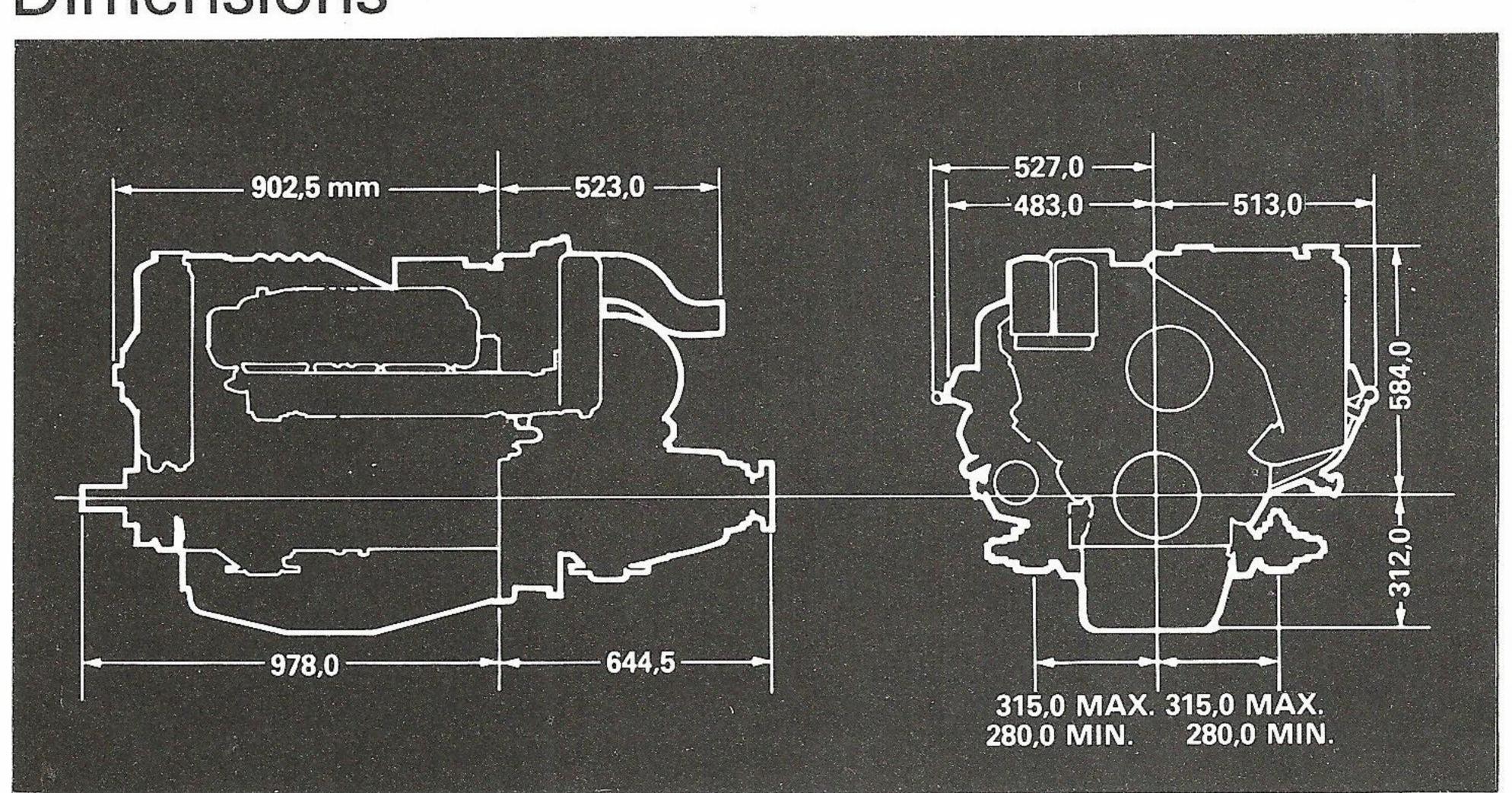
**Engine fitted:** 

Twin Disc, Borg Warner and other transmissions, alternators and starters; flexible or solid engine mountings; power take off extension shaft; wet or dry exhaust outlets; electric remote shutdown; calorifier connections; cold start aid.

Supplied loose:

Electrical instruments (single or dual station). Audible/visual alarm system for high water temperature/low oil pressure/low coolant level; treadplate; on-board spares kit; tool kit; fuel pre-filter; gearbox output couplings, bilge pump, high quality propellers, sterngear and installation fittings.

### Dimensions



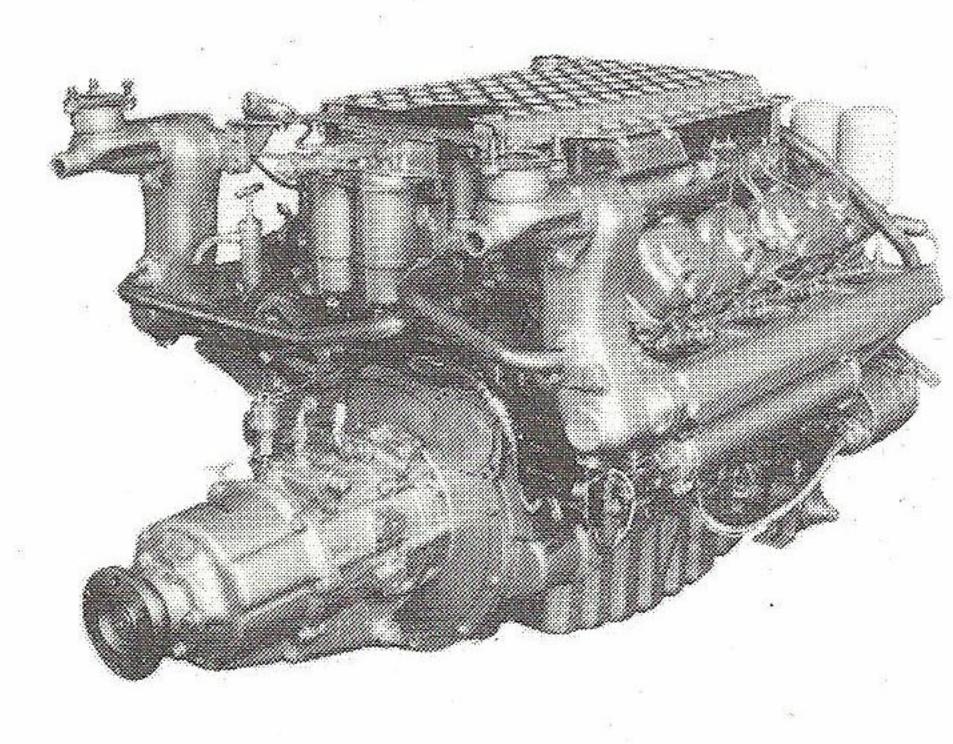
420
4400
3800
3800
1. MAXIMUM POWER
2. GROSS OUTPUT—ENGINE WITHOUT GEARBOX
3. NET SHAFT POWER WITH BORG WARNER 73CR
2:1 REDUCTION GEARBOX
4. PROPELLER LAW sp (2.8 INDEX)
132 kW
(177 bhp) 130
125 kW
(177 bhp) 130
125 kW
(167,5 shp)
1100
1000
1200
1400
1600
1800
2000
2200
2400

Rating standard BS AU 141a: 1971

Pleasure craft propellers should be matched to achieve maximum rated engine speed under fully loaded boat conditions.

Engine as delivered from factory will be set to produce gross power output within manufacturing tolerance and run-in allowance.

Demirhan Sadıkoğlu 2015



SPERKINS
Engines

Perkins Engines Limited
Peterborough PE1 5NA England

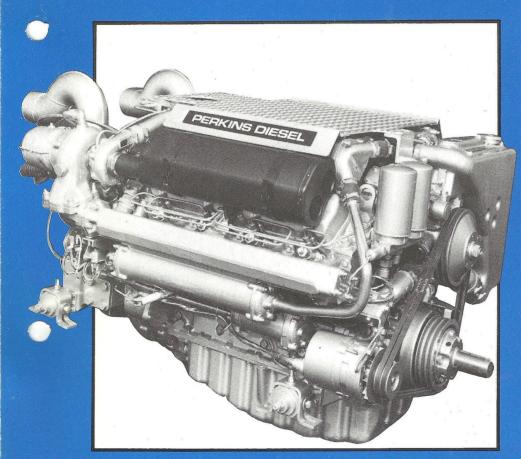
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### TV8.540

# Perkins MARINE POWER



The TV8.540 diesel is a turbocharged, inter cooled high performance marine engine available in four ratings. It is of eight cylinder V configuration for smooth power, and is built to a premium specification.

242 kW/325 bhp

### **General Data**

Bore/Stroke: 4.25 in (108 mm) x 4.75 in (120,7 mm)

No. of cylinders: 8, 90° vee form Cubic capacity: 539,1 in³ (8,83 litres) Cycle: 4 Aspiration: pressure charged Combustion system: Direct injection

Rotation: LH\*

Fuel pump: DP15 rotary injection

Governing: Mechanical

Cooling: Heat exchanger fresh water cooled Weight: 915 kg (2013 lbs) with D.D. Borg Warner

Gearbox

Electrical: 24v

Power take off: Full engine torque from front end

extension shaft

Installation angle: Max. static angle of 17° allow-

ing further 3° rise underway also 5° nose-down for vee-

drive application.

## TV8.540 MARINE DIESEL

## Typical applications

The engine is available with power ratings for continuous duty in the following applications.

Pleasure: Sports fishermen, trawler yachts and all types of cruisers.

Light Commercial: Survey vessels, crew and personnel launches. Patrol craft, police and customs launches. Pilot boats. Commercial fishing boats with high speed capability. Harbour masters' launches.

Heavy Duty Commercial: Tugs, barges, fishing boats, ferry boats, coastal workboats etc.

## Fuel consumption

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

Engine		Full power Fuel consumption			Average Operating Fuel consumption		
Speed rev/min	Load	UK gals. per hr.	US gals. per hr.	litres per hr.	UK gals. per hr.	US gals. per hr.	litres per hr.
2600	325	14.1	16.9	64	7.6	9.1	35
2600	270	11.9	14.3	54	7.0	8.4	32
2400	252	11.0	13.2	50	6.0	7.2	27
2000	220	9.1	10.9	42	5.0	6.0	23

Alternative Ratings: 270 bhp (201 kW) at 2600 — Pleasure Craft

252 bhp (188 kW) at 2400—Light Duty Commercial 220 bhp (164 kW) at 2000—Heavy Duty Commercial

## Options

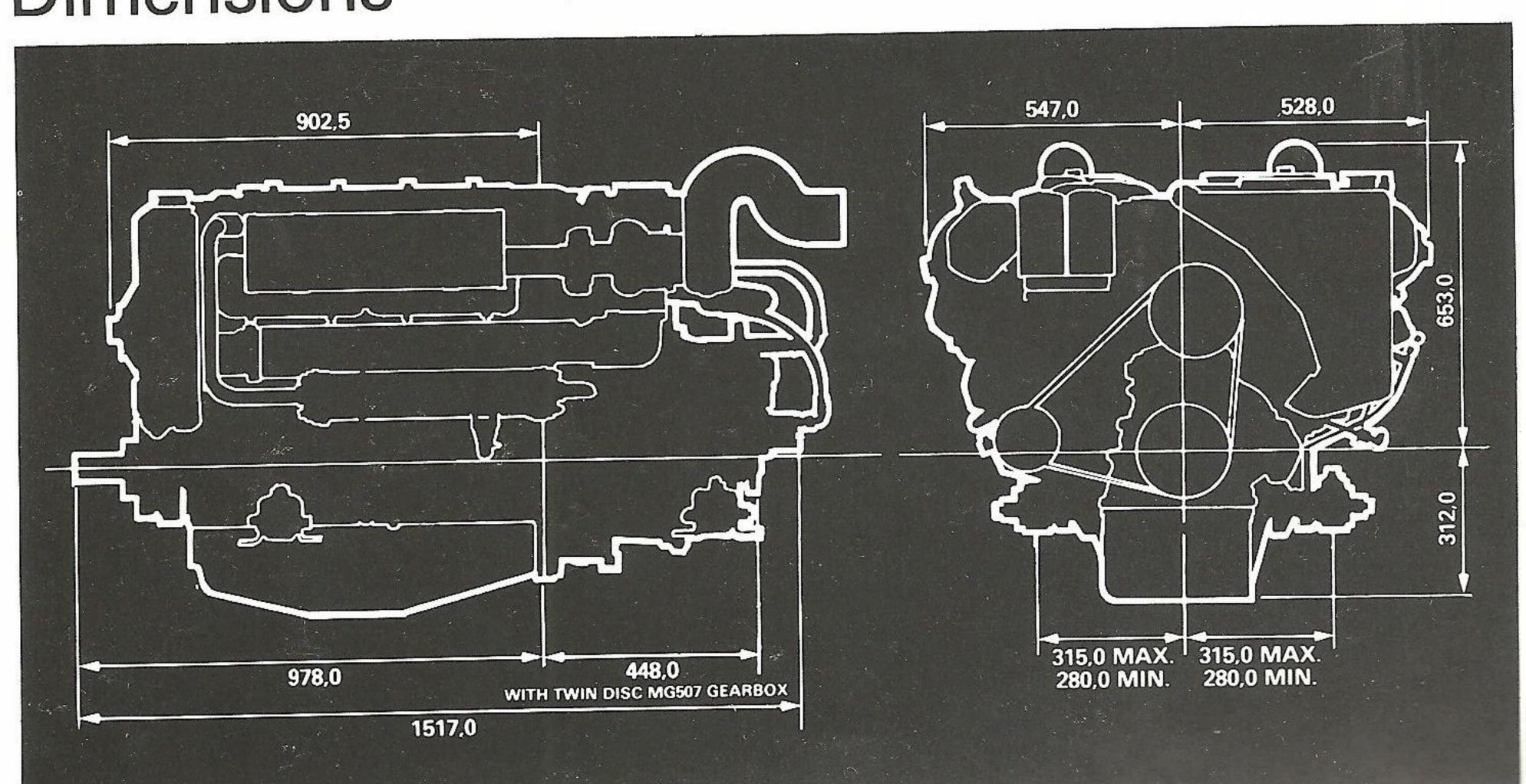
### Engine fitted.

Borg Warner and other transmissions. High or standard output alternators; solid/flexible engine mountings, aluminium or cast iron sumps; power take off shaft with or without clutch; wet or dry exhaust outlets; electric remote shutdown; calorifier connections; engine treadplate.

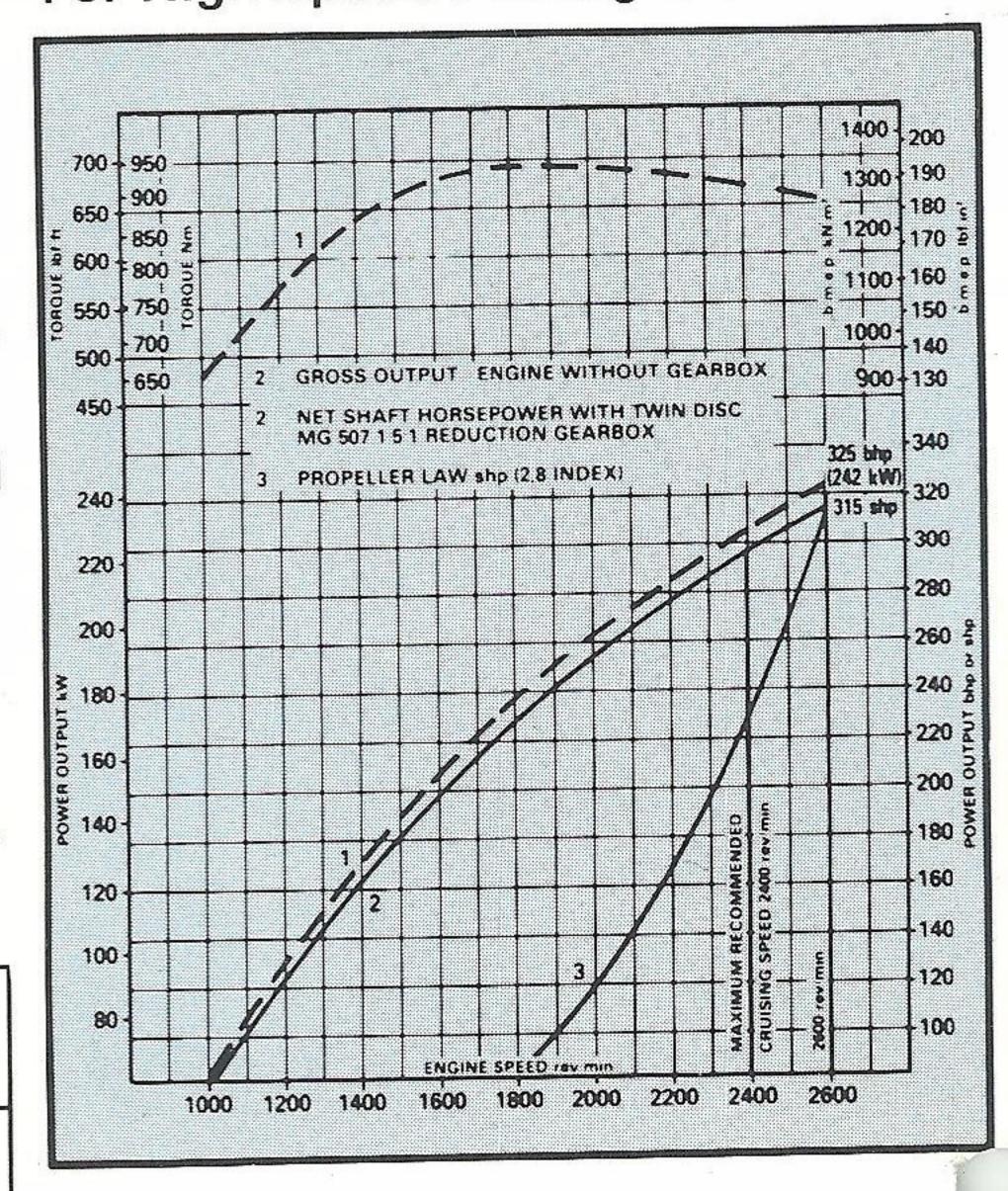
Supplied loose

Electrical instruments (single or dual station). Audible/visual alarm system for high water temperature/low oil pressure/low coolant level; on-board spares kit; tool kit; fuel pre-filter; gearbox output couplings; bilge pump.

### Dimensions

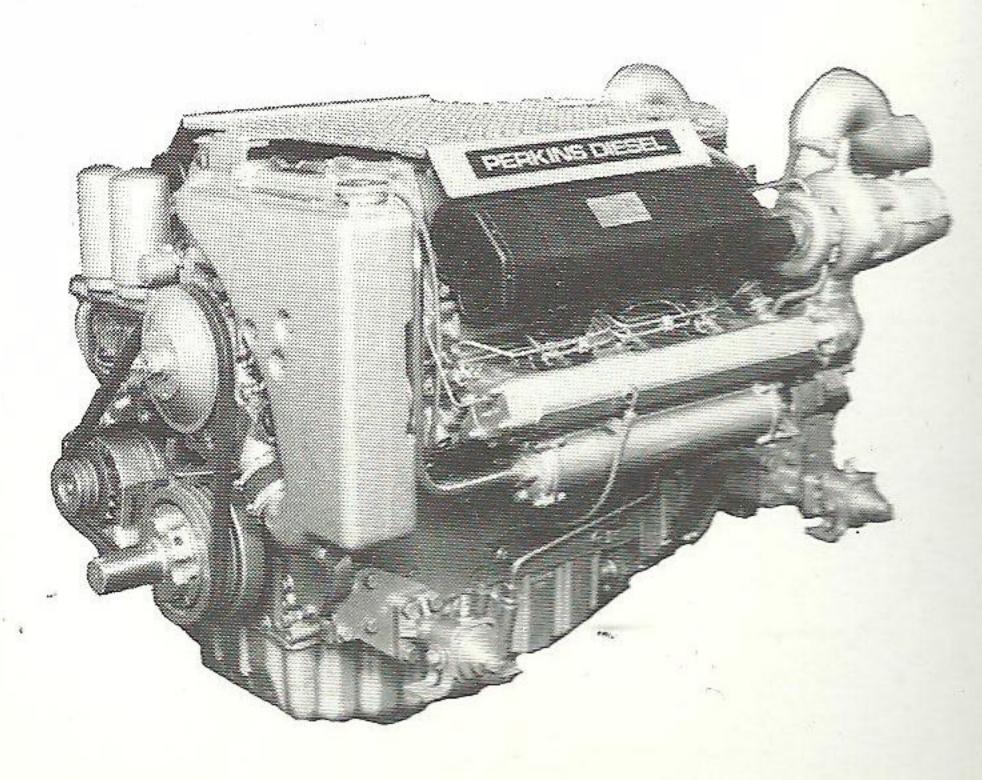


325 bhp (242 kW)
For High Speed Planing Craft



RATING STANDARD BS AU 141a: 1971

> Demirhan Sadıkoğlu 2015





Perkins MARINE POWER

TV8.540(M)



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350 bhp

Benefities 2 (C. 1) (C.



