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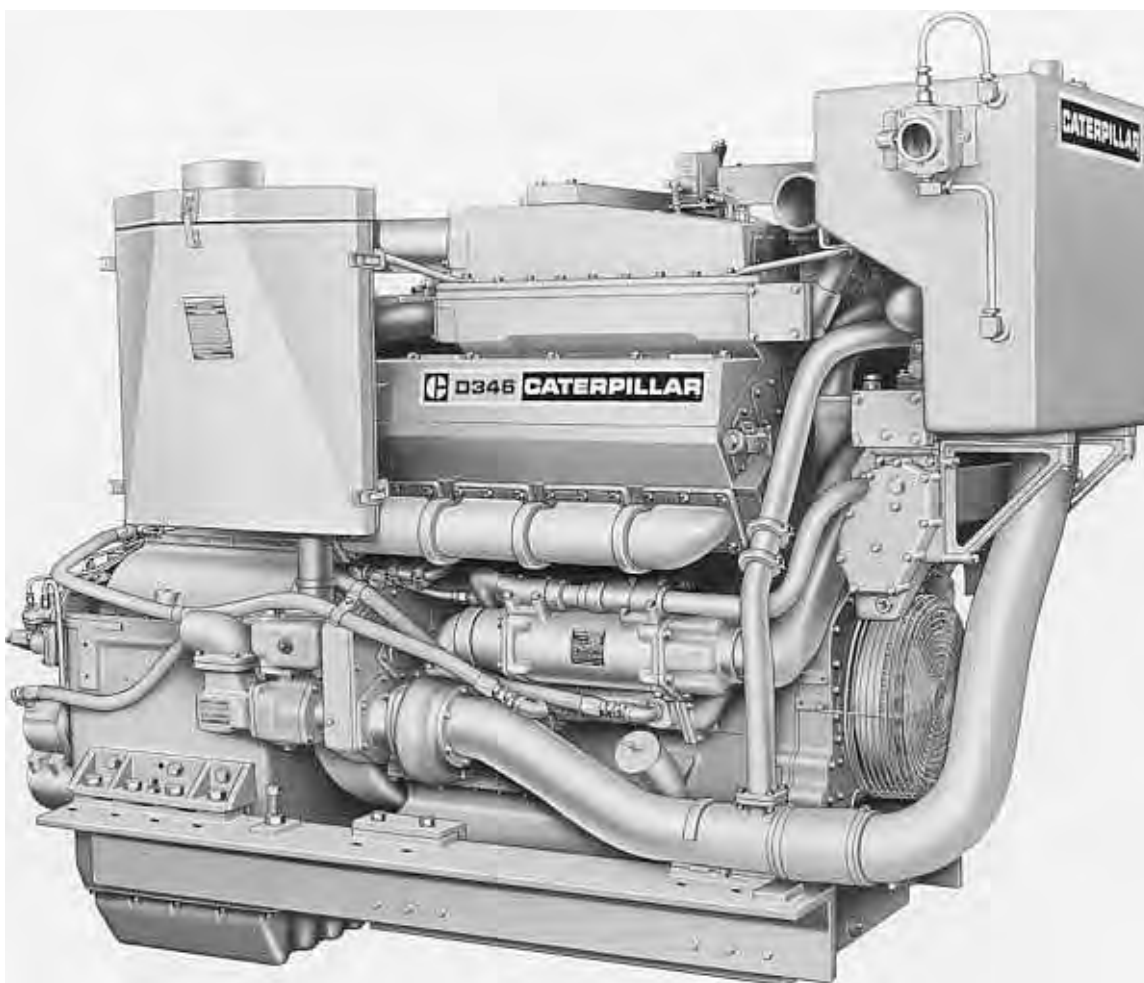
**SHOP NOW**

A large, dark blue, semi-transparent image of interlocking gears is positioned on the right side of the page, extending from the top right corner towards the bottom.



# CATERPILLAR

## D346 MARINE ENGINE



### MARINE ENGINE

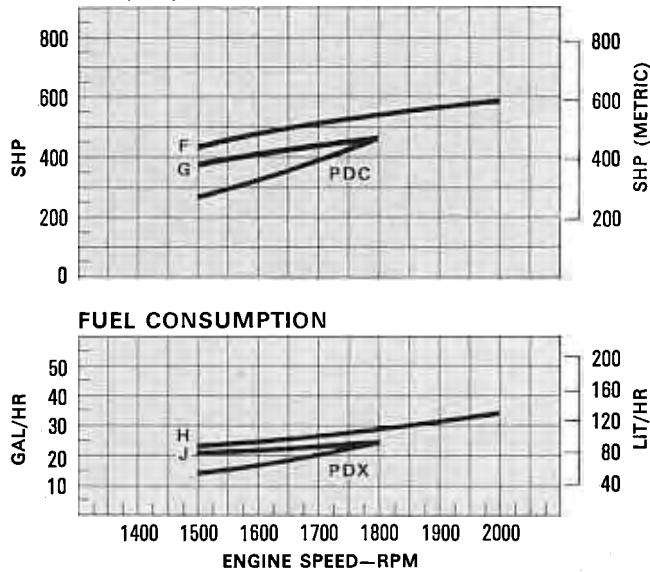
		TA 85°F(29°C) Water to A/C
Maximum (Flywheel) @ 2000 RPM	BHP HP (metric)	735 745
Intermittent (Flywheel) @ 2000 RPM	BHP HP (metric)	610 619
Continuous (Flywheel) @ 1800 RPM	BHP HP (metric)	480 487
Continuous (Shaft) @ 1800 RPM	BHP HP (metric)	466 472
Approx. Fuel Consumption @ Full Cont. Shaft HP	Gal/Hr Lit/Hr	25.08 94.9

\*For Maximum & Intermittent Applications, consult Factory.

### DESCRIPTION

Four stroke cycle, Diesel  
Number of cylinders . . . . . V-8  
Bore and stroke: inches . . . . . 5.4 x 6.5  
                                  millimeters . . . . . 137 x 165  
Displacement: cu. in. . . . . 1191  
                                  liters . . . . . 19.5  
Low idle speed . . . . . 650 RPM  
Engine Rotation . . . . . SAE Standard  
Approximate dry weight           lb           kg           lb\*           kg\*  
Engine . . . . . 7000           3170           7000           3170  
Marine gear (MG521)(MG527\*) 2300           1040           2785           1260  
Total . . . . . 9300           4220           9785           4430

# **RATING CURVES—SHAFT HORSEPOWER** **85°F (29°C) WATER TO AFTERCOOLER**



PDC—TYPICAL PROP. DEMAND  
CURVE FROM 466 SHP  
AT 1800 RPM

PDX—TYPICAL PROP. DEMAND  
FUEL CONSUMPTION CURVE  
FROM 466 SHP AT 1800 RPM

F—INTERMITTENT (DIN 6270—N<sub>0</sub>)—SHAFT HORSEPOWER  
G—CONTINUOUS (DIN 6270—N<sub>0</sub>)—SHAFT HORSEPOWER  
H—FUEL CONSUMPTION BASED ON CURVE F  
J—FUEL CONSUMPTION BASED ON CURVE G

## **STANDARDS:**

**GENERAL:** All BHP ratings are at SAE J816 Standard conditions — 29.38 in Hg (746 mm) and 85°F (30°C). All HP (Metric) ratings are at DIN 6270 Standard conditions — 736 mm (28.97 in Hg) and 20°C (68°F).

Shaft ratings are net output ratings; i.e., the capabilities of the engine equipped with air cleaners, fuel, lube oil, jacket water pumps and marine gear.

**INTERMITTENT** is the horsepower and speed capability in applications having variable speed and/or load requirements.

**CONTINUOUS** is the horsepower and speed capability that can be utilized without interruption or load cycling.

**OTHER RATINGS:** Published intermittent and continuous ratings are a general guide for world-wide use over a broad application range. Other ratings, yielding higher performance and economic return, are available to meet the requirements of particular application.

**FUEL FACTS:** Fuel consumption applies to standard marine engine based on fuel oil having a gross heat value of 19,500 BTU per pound (10,830K-cal/Kg) and weighing 7.12 pounds per U.S. gallon (855 gm/ltr).

## **MARINE GEAR SPECIFICATIONS . . .**

### **TWIN-DISC MG521 and MG527**

MARINE GEAR	GEAR RATIOS
Twin-Disc MG521	2.19:1 Forward and Reverse 3.03:1 Forward and Reverse 3.50:1 Forward and Reverse 4.09:1 Forward and Reverse
Twin-Disc MG527	5.17:1 Forward and Reverse

- ☐ Certification by major marine classification societies is available.
- ☐ Auxiliary-power engine configurations can be specified. Consult your application specialist.

- ☐ Adjustment-free, oil-bathed multiple-disc sintered metal clutches . . . hydraulically controlled . . . separate clutch pack for forward and reverse
- ☐ Gears in constant mesh, full power for both forward and reverse duty . . . twinning flexibility
- ☐ Lubricant filtered twice and cooled before entering pressurized system.
- ☐ Hardened, ground and honed helical-tooth gears.
- ☐ Come-Home lock-up feature.
- ☐ Warranted by Caterpillar.

Materials and specifications are subject to change without notice.



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