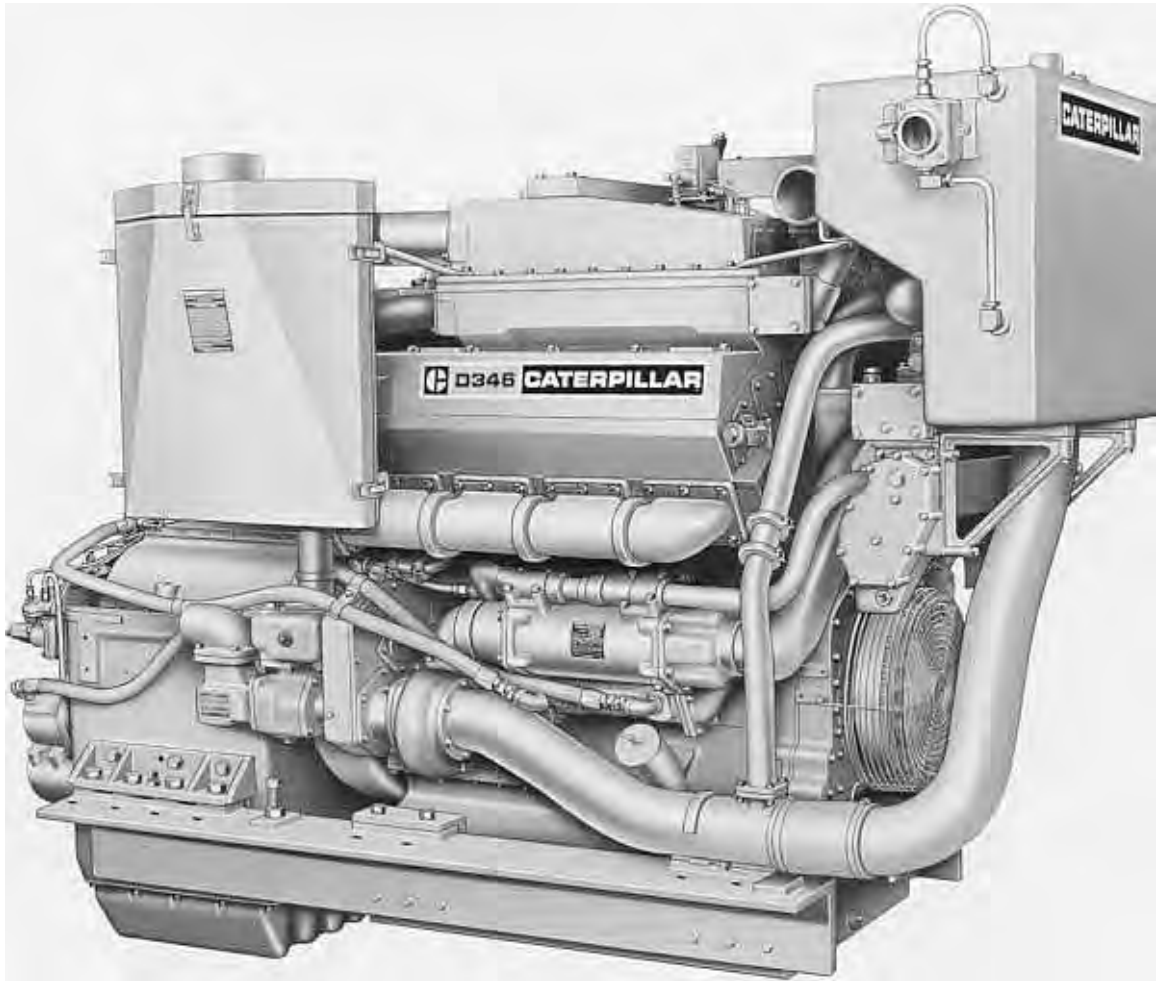




CATERPILLAR

D346 MARINE ENGINE



MARINE ENGINE

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

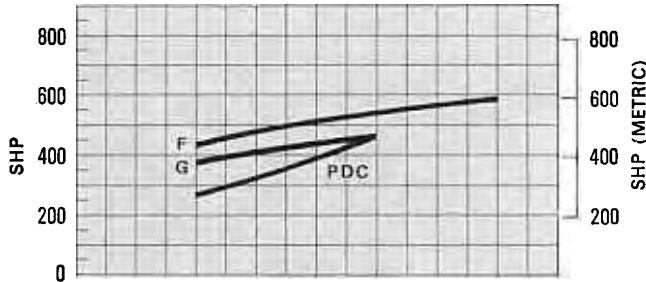
*For Maximum & Intermittent Applications, consult Factory.

DESCRIPTION

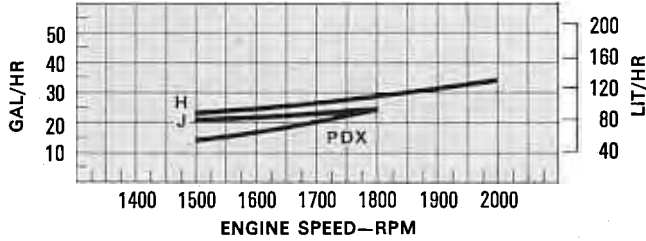
Four stroke cycle, Diesel
 Number of cylinders V-8
 Bore and stroke: inches 5.4 x 6.5
 millimeters 137 x 165
 Displacement: cu. in. 1191
 liters 19.5
 Low idle speed 650 RPM
 Engine Rotation SAE Standard
 Approximate dry weight lb kg lb* kg*
 Engine 7000 3170 7000 3170
 Marine gear (MG521)(MG527*) 2300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

D346

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



FUEL CONSUMPTION



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

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

F—INTERMITTENT (DIN 6270—N₀)—SHAFT HORSEPOWER
G—CONTINUOUS (DIN 6270—N₀)—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

- 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.

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

Materials and specifications are subject to change without notice.

