

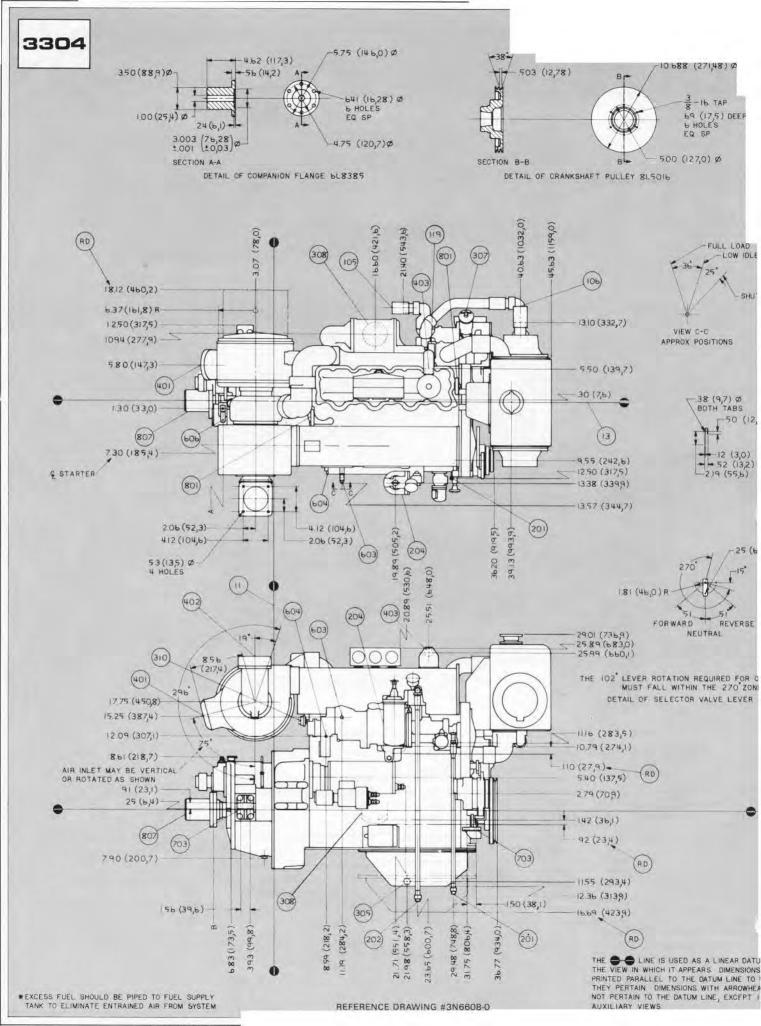
# MARINE ENGINE

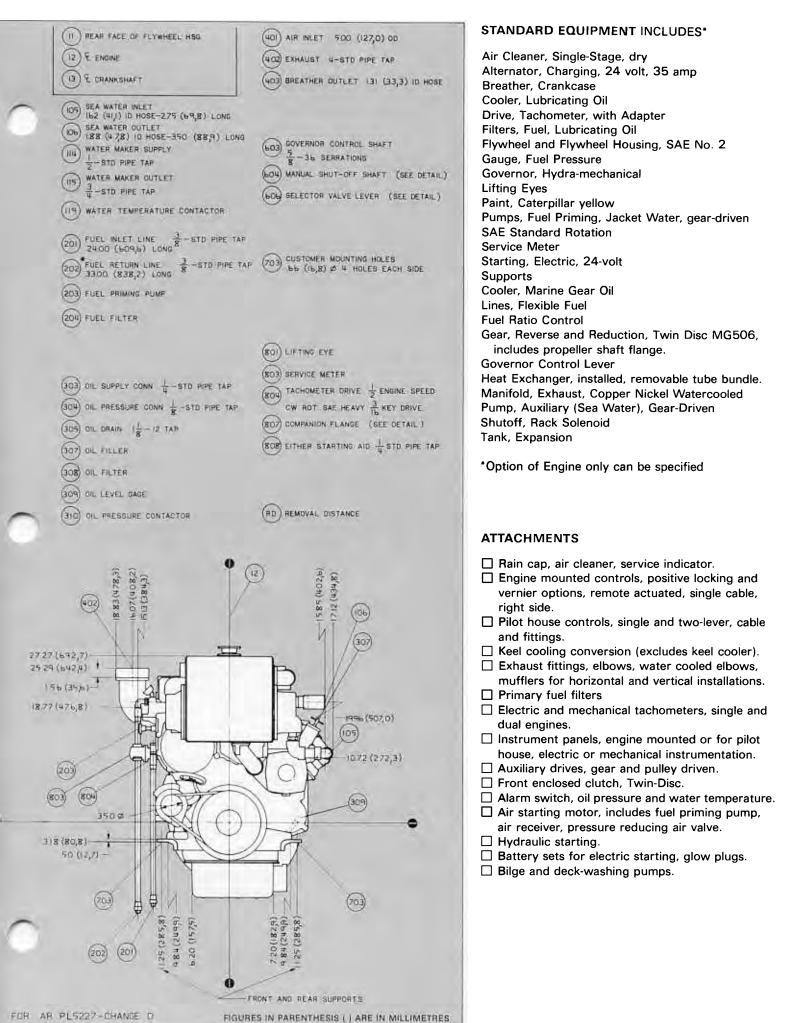
		Turbocharged Model	Natural Aspiration
Maximum (Flywheel)* @ 2200 RPM	BHP	200	115
	HP (metric)	203	117
Intermittent (Flywheel)* @ 2200 RPM	BHP	165	100
	HP (metric)	167	101
Continuous (Flywheel)	BHP	125	85
@ 2000 RPM	HP (metric)	127	86
Continuous (Shaft)	BHP	121	82
@ 2000 RPM	HP (metric)	123	84
Approx. Fuel Consumpti	on Gal/Hr	7.4	5.2
@ Full Cont. Shaft HP	Lit/Hr	28,1	19,7

<sup>\*</sup>For Maximum & Intermittent Applications, consult Factory.

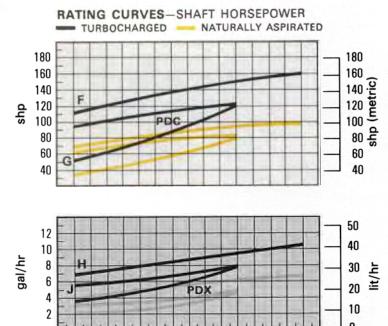
# DESCRIPTION

Four stroke cycle, Diesel			
Number of cylinders		In-l	Line 4
Bore and stroke: inches		. 4.75 x	6.00
millimetres		121 .	x 152
Displacement: cu. in			. 425
litres			7,0
Low idle speed		650	RPM
Engine Rotation		SAE Sta	ndard
Approximate dry weight lb	. kg	lb*	kg*
Engine (T) (NA*)1900	861	1850	840
Marine gear 340	154	340	154
Total	1015	2190	994





## 3304



#### RATINGS:

**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 applications.

Intermittent and continuous metric performance at 736mm (28.97 In. Hg.) and 20°C (68°F)—DIN 6270.

Fuel consumption is based on fuel oil having a HHV of 19,590 btu/lb (45,570 kJ/kg) and weighing 7.076 lb. per U.S. Gal. (848 gm per litre). Engine equipped with fuel, lube oil, and jacket water pumps.

CURVE FROM 121 SHP AT 2000 RPM PDX-TYPICAL PROP. DEMAND FUEL CONSUMPTION CURV FROM 121 SHP AT 2000 RPI

1600

PDC-TYPICAL PROP. DEMAN CURVE FROM 82 SHP TYPICAL PROP. DEMAND FUEL CONSUMPTION CURVE

F —INTERMITTENT (DIN 6270—Nb.)—SHAFT HORSEPOWER G—CONTINUOUS (DIN 6270—Nb.)—SHAFT HORSEPOWER M—FUEL CONSUMPTION BASED ON CURVE F

1700 1800 1900 2000 2100 2200

engine speed - rpm

MARINE GEAR	GEAR RATIOS		
Twin-Disc MG506	1.97:1 Forward and Reverse 2.96:1 Forward and Reverse 3.79:1 Forward and Reverse 4.48:1 Forward and Reverse		

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

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

TWIN-DISC MG506

- ☐ 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 strained and cooled before entering pressurized system.
- ☐ Hardened, ground and honed gears.
- ☐ Come-Home lock-up feature.
- ☐ Warranted by Caterpillar.

Materials and specifications are subject to change without notice.

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