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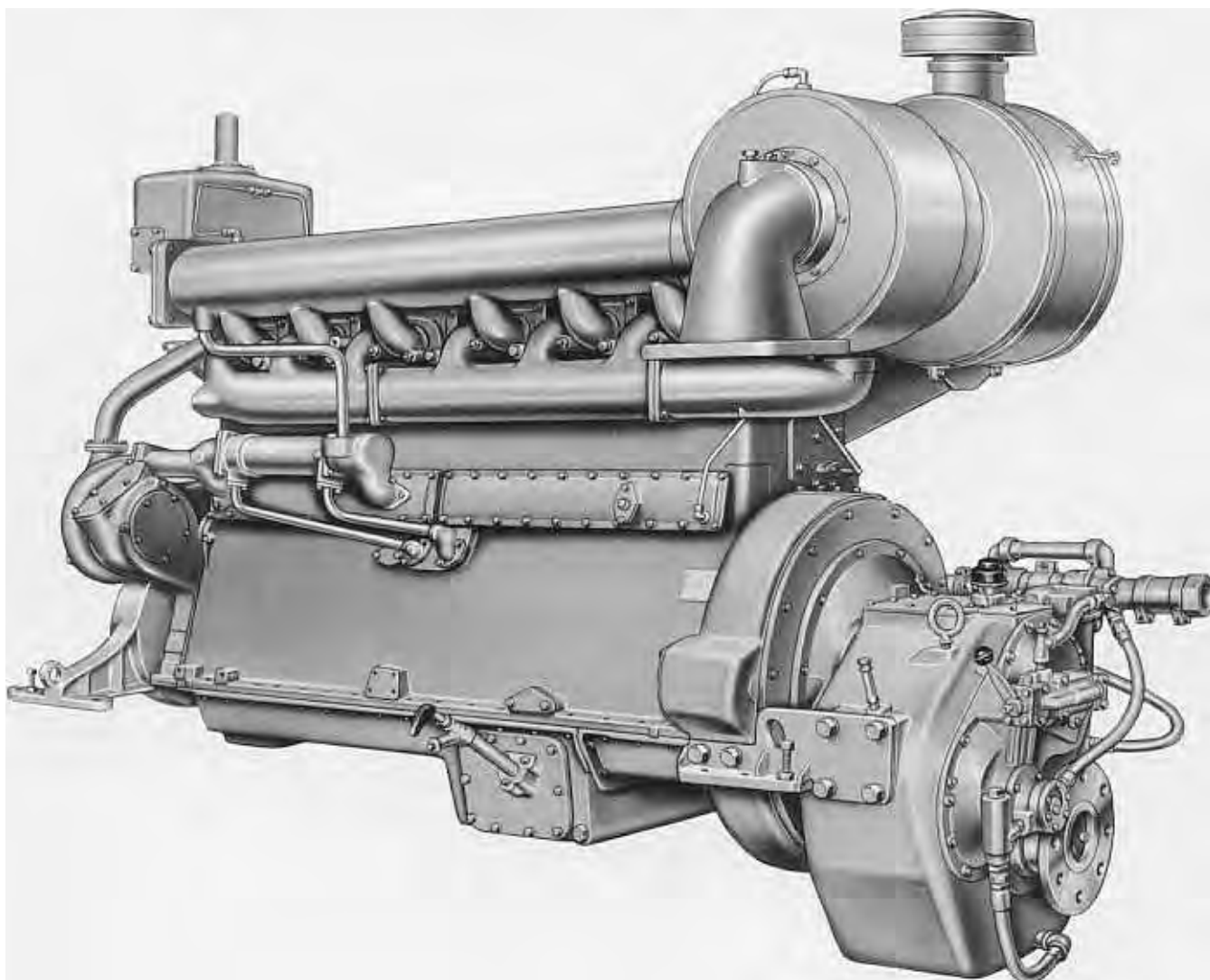
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# CATERPILLAR

## D342 T NA

MARINE ENGINE



### MARINE ENGINE

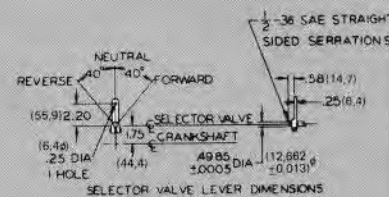
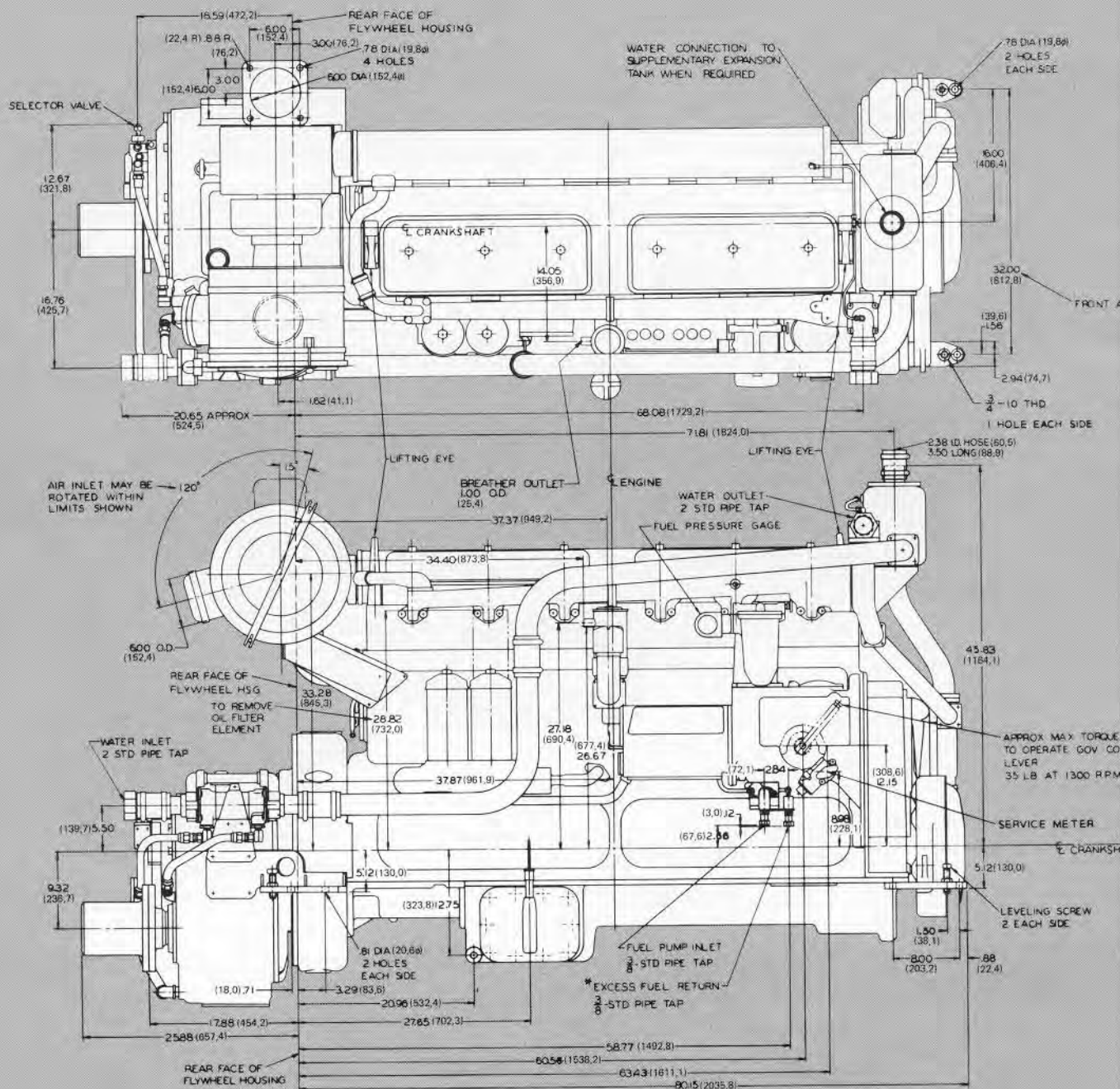
		Turbocharged Model	Natural Aspiration
Maximum (Flywheel) @ 1300 RPM	BHP HP (metric)	360 365	220 223
Intermittent (Flywheel) @ 1300 RPM	BHP HP (metric)	300 304	200 203
Continuous (Flywheel) @ 1225 RPM	BHP HP (metric)	240 243	170 172
Continuous (Shaft) @ 1225 RPM	BHP HP (metric)	233 236	165 167
Approx. Fuel Consumption @ Full Cont. Shaft HP	Gal/Hr Lit/Hr	12.9 48,9	9.4 35,4

\*For Maximum & Intermittent Applications, consult Factory

### DESCRIPTION

Four stroke cycle, Diesel  
Number of cylinders . . . . . In-Line 6  
Bore and stroke: inches . . . . . 5.75 x 8.00  
millimeters . . . . . 146 x 203  
Displacement: cu. in. . . . . 1246  
liters . . . . . 20,4  
Low idle speed . . . . . 450 RPM  
Engine Rotation . . . . . SAE Standard  
Approximate dry weight lb kg lb\* kg\*  
Engine (T) (NA\*) . . . . . 5790 2620 5600 2540  
Marine gear (MG514). . . . . 1145 519 1145 519  
Total . . . . . 6935 3139 6745 3059





## STANDARD EQUIPMENT INCLUDES\*:

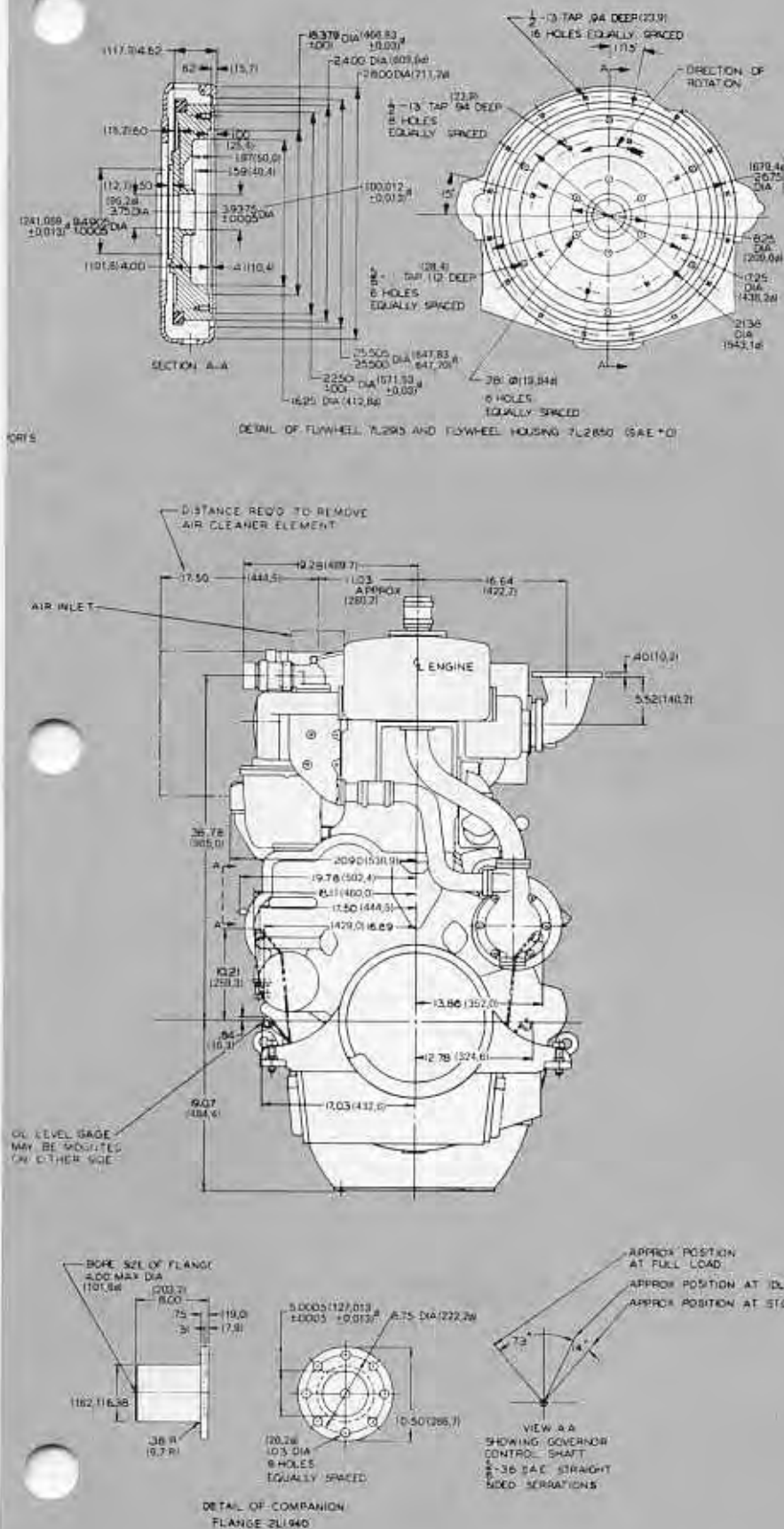
Air Cleaner, Single-Stage, dry  
 Breather, Crankcase  
 Cooler, Lubricating Oil  
 Filters, Fuel, Lubricating Oil  
 Flywheel and Flywheel Housing SAE No. 0  
 Gauge, Fuel Pressure  
 Governor, Mechanical  
 Instrument Panel, right side or left side  
 Lubricating Oil Pressure Gauge  
 Water Temperature Gauge  
 Lifting Eyes  
 Oil Pan, Shallow  
 Paint, Caterpillar yellow  
 Pumps, Fuel Transfer  
 Pumps, Water  
 Auxiliary, Sea Water, Gear-driven, Rotary, Self-priming (not included with keel cooling arrangement)  
 Jacket Water, Gear-driven, Centrifugal  
 SAE Standard Rotation  
 Service Meter  
 Supports  
 Thermostats and Housing  
 Vibration Damper, Viscous, T engine, Rubber, NA engine  
 Tachometer Drive  
 Gear, Reverse and Reduction, Twin-Disc MG512 or MG514, includes propeller shaft flange and marine gear oil cooler,  
 Manifold, Watercooled Exhaust  
 Manual Pump, Lubricating Oil Sump.  
 Tank, Expansion

\*Option of Engine only can be specified.

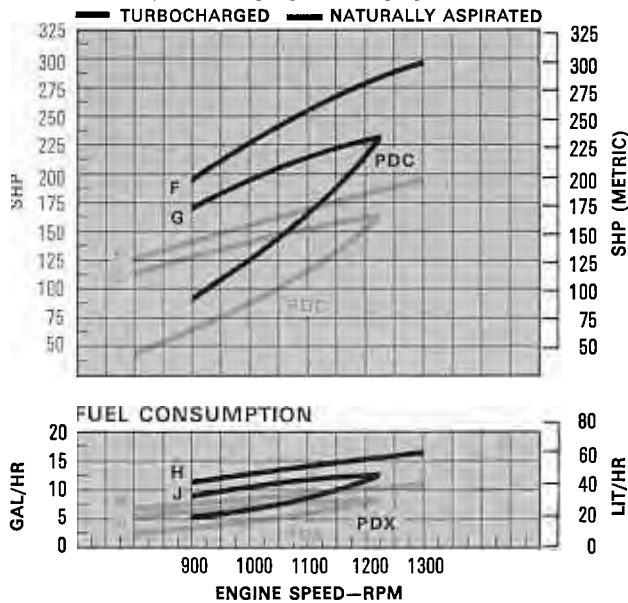
## ATTACHMENTS

- ☐ Rain cap and service indicator.
- ☐ Engine mounted controls, right or left side, positive locking, remote single cable actuation.
- ☐ Remote positive locking mounted controls including elbows, cable, cable assembly, pilot house single lever option.
- ☐ Heat exchangers, admiralty metal or copper-nickel.
- ☐ Exhaust fittings including flexible connections and elbows.
- ☐ Mufflers for horizontal or vertical installation.
- ☐ Flexible fuel lines and primary fuel filter.
- ☐ Fuel priming pump.
- ☐ Tachometers, both electric and mechanical.
- ☐ Instrument panels for pilot house, electric or mechanical, for single and twin installations.
- ☐ Front enclosed Twin-Disc clutches.
- ☐ Crankshaft stub shaft.
- ☐ Safety devices and alarm switches.

Figures in parenthesis ( ) are metric.



## RATING CURVES—SHAFT HORSEPOWER



PDC—T TYPICAL PROP. DEMAND CURVE FROM 233 SHP AT 1225 RPM  
 PDX—T TYPICAL PROP. DEMAND FUEL CONSUMPTION CURVE FROM 233 SHP AT 1225 RPM  
 PDC—NA TYPICAL PROP. DEMAND CURVE FROM 165 SHP AT 1225 RPM  
 PDX—NA TYPICAL PROP. DEMAND FUEL CONSUMPTION CURVE FROM 165 SHP AT 1225 RPM

F—INTERMITTENT (DIN 6270—Na.)—SHAFT HORSEPOWER  
 G—CONTINUOUS (DIN 6270—Na.)—SHAFT HORSEPOWER  
 H—FUEL CONSUMPTION BASED ON CURVE F  
 J—FUEL CONSUMPTION BASED ON CURVE G

MARINE GEAR	GEAR RATIOS
Twin-Disc MG512	2:1 Forward and Reverse 3:1 Forward and Reverse
Twin-Disc MG514	3.5:1 Forward 3.24:1 Reverse

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

## 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 MG512 and MG514

- ☐ 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.



**CATERPILLAR**

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