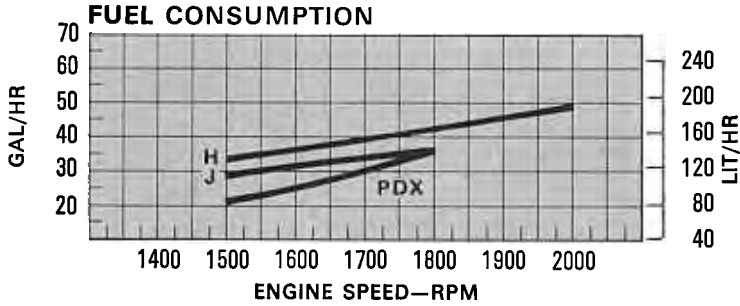
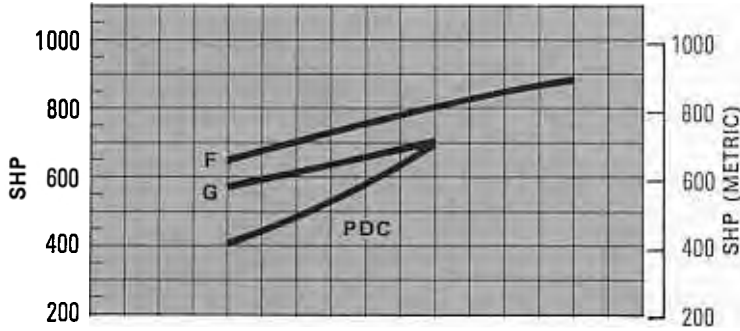


D348
RATING CURVES—SHAFT HORSEPOWER
 85°F (29°C) WATER TO AFTERCOOLER



PDC—TYPICAL PROP. DEMAND
 CURVE FROM 703 SHP
 AT 1800 RPM

PDX—TYPICAL PROP. DEMAND
 FUEL CONSUMPTION CURVE
 FROM 703 SHP AT 1800 RPM

F—INTERMITTENT (DIN 6270-Nb.)—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 MG 527	2.07:1 Forward and Reverse 2.92:1 Forward and Reverse 3.86:1 Forward and Reverse 5.17:1 Forward and Reverse
Caterpillar 7241	2.01:1 Forward and Reverse 2.94:1 Forward and Reverse 3.54:1 Forward and Reverse 4.00:1 Forward and Reverse 4.67:1 Forward and Reverse 5.88:1 Forward and 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 MG527

- Adjustment-free oil-bathed multiple-disc clutches . . . hydraulically controlled.
- Gears in constant mesh, full power for both forward and reverse duty.
- Lubricant filtered twice and cooled before entering pressurized system.
- Hardened, ground and honed helical-tooth gears.
- Warranted by Caterpillar.

CATERPILLAR 7241

- Full power in forward or reverse.
- Planetary gear reduction . . . three planet gears share the torque.
- Sintered bronze clutch packs . . . bathed in cooled and filtered oil.
- Ground and honed gears . . . forged from nickel chrome alloyed steel.
- Pressure lubrication of bearings and gear meshes.

Materials and specifications subject to change without notice.



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