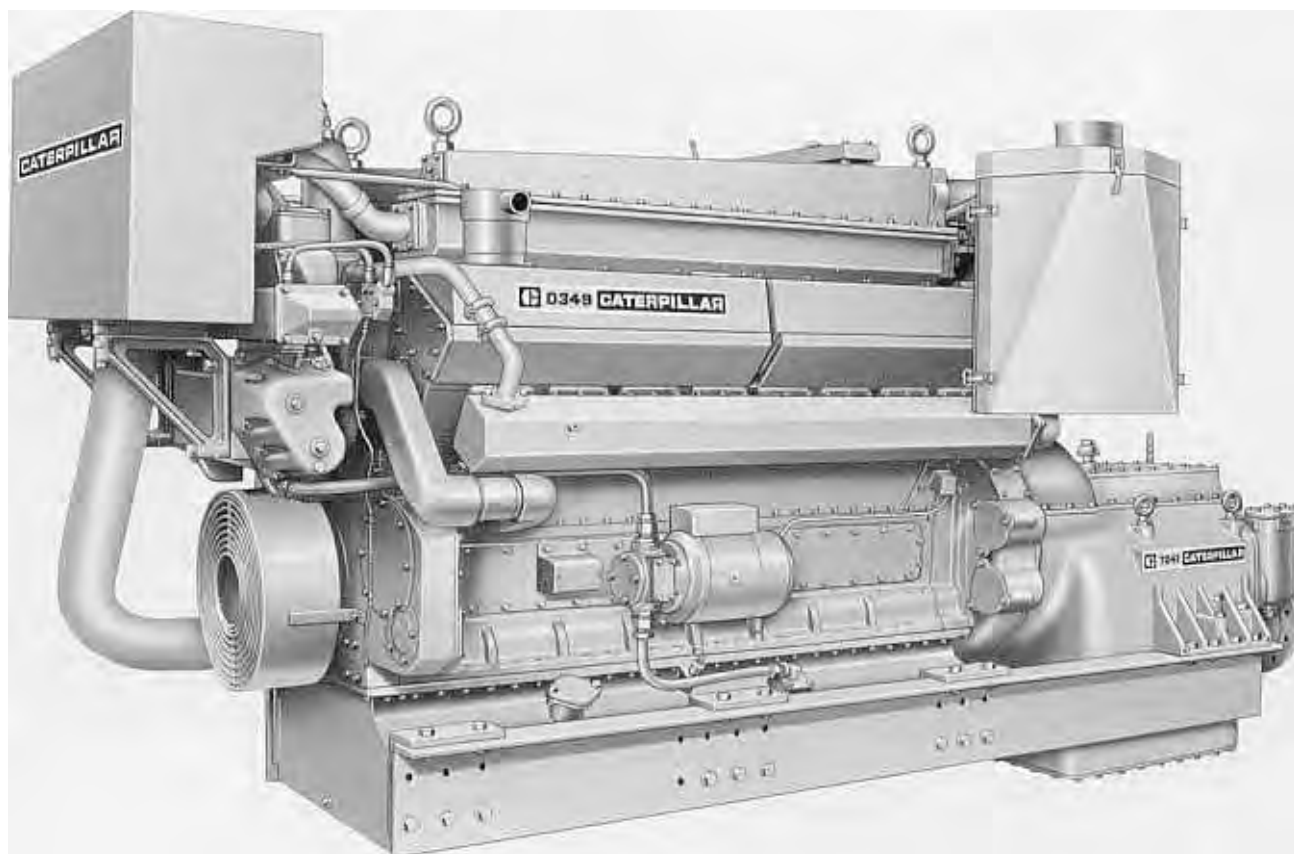




CATERPILLAR

D349 MARINE ENGINE



RATINGS (w/o fan)

(85°F Water to Aftercooler)

Maximum	1470 BHP @ 2000 RPM
Intermittent	1220 BHP @ 2000 RPM
Continuous	970 BHP @ 1800 RPM

DESCRIPTION

Four stroke cycle, turbocharged-aftercooled diesel

Number of cylinders	V-16	
Bore and stroke: inches.....	5.4 x 6.5	
millimeters.....	137 x 165	
Displacement: cu. in.	2382	
liters	39,0	
Compression ratio	16.5:1	
Normal working range.....	1500-2000 RPM	
Low idle speed	550 RPM	
Rotation	Counterclockwise (SAE Standard)	
Approximate dry weight	Lb.	Kg.
Engine	10,800	4899
Marine gear	4,000	1814
Total	14,800	6713

RATINGS:

MAXIMUM is the horsepower and speed capability that can be demonstrated within 5% at the factory.

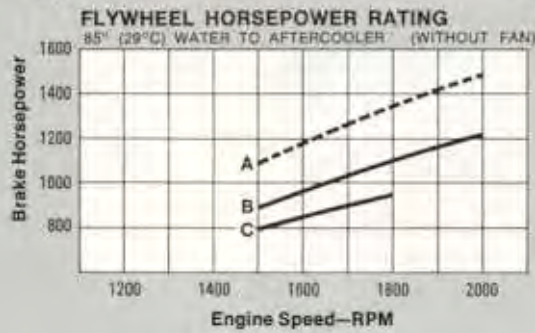
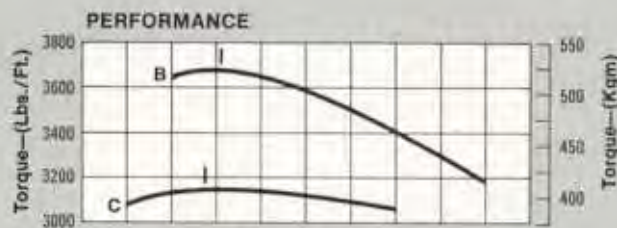
INTERMITTENT is the horsepower and speed capability in applications having variable speed and/or load requirements.

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

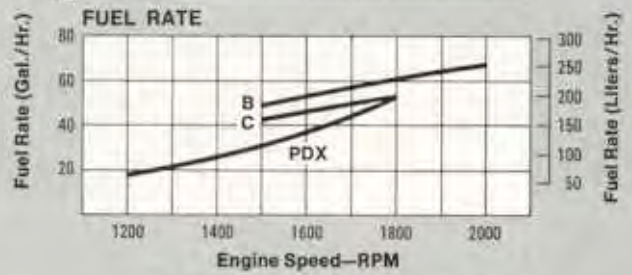
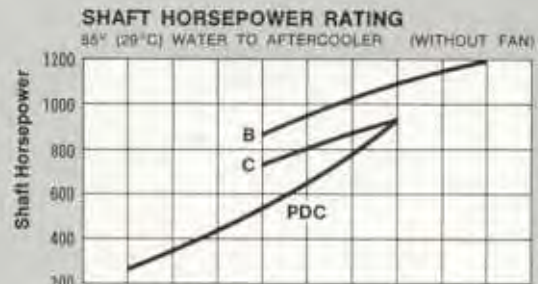
STANDARDS:

All ratings are at SAE Standard conditions of 29.38 in. (746 mm) Hg and 85°F (30°C).

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.



A—MAXIMUM B—INTERMITTENT C—CONTINUOUS



PDX— TYPICAL PROP. DEMAND FUEL RATE CURVE FROM 840 SHP AT 1800 RPM

PDC— TYPICAL PROP. DEMAND CURVE FROM 840 SHP AT 1800 RPM

Fuel consumption applies to standard marine engine W/O fan, based on fuel oil having a gross heat value of 19,500 BTU per pound (10,830Kcal/Kg) and weighing 7.12 pounds per U.S. gallon (855 gm/ltr).



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