

CUMMINS ENGINE COMPANY, INC

Columbus, Indiana 47201

Marine Performance Curve

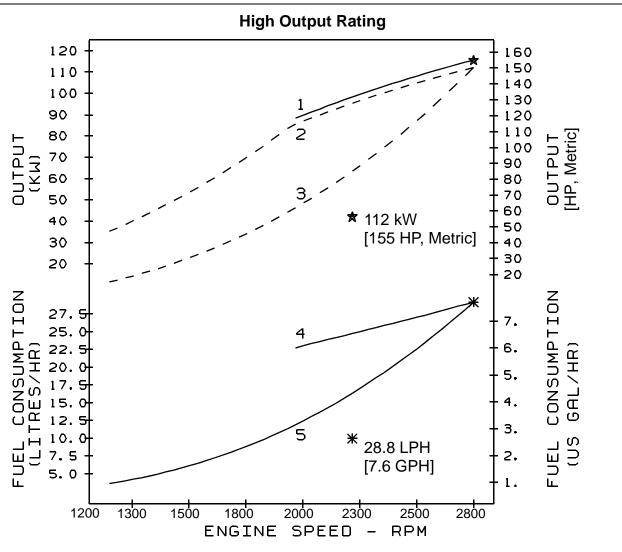
Basic Engine Model: 155B		Curve Number: M-90197	Marine Pg. No. B
Engine Configuration: D382013MX02	CPL Code: 0741	Date: 12May99	15

[239 in.³] Displacement: 3.9 litre

[4.02 in.] [4.72] 102 mm Bore: Stroke: 119 mm Rotary, CAV- DPA Fuel System: Cylinders:

Aspiration: Turbocharged

kW [Hp, Metric] @RPM Advertised Power 112* [155] @ 2800



Rating Conditions: Ratings are based upon ISO 8665 reference conditions; air pressure of 100 kPa [29.612 in. Hg] air temperature of 25°C [77°F] and 30% relative humidity. Power is rated in accordance with IMCI procedures.

Fuel consumption is based on fuel of 35° API gravity at 16°C (60°F) having LHV of 42,780 kj/kg (18,390 Btu/lb) and weighing 838.9 g/liter (7.001 lb/U.S. gal.).

Propeller Shaft Power represents the net power available after typical reverse/reduction gear losses and is 97% of rated power.

1. Rated Power kW/ (HP, Metric)

4. Fuel Consumption for Brake and Shaft power.

2. Shaft power kW / (HP) with Reverse / Reduction Gear

3. Typical Propeller Power Curve (2.7 exponent)

5. Fuel Consumption for Typical Propeller.

High Output Rating: This Rating is for use in variable load applications where full power is limited to one (1) hour out of every eight (8) hours of operation. Also, reduced power operations must be at or below 200 RPM of the maximum rated RPM. This rating is for pleasure/non-revenue generating applications that operate 300 hours per year or less.

K. Blo CHIEF ENGINEER Marine Pg. No. **B** 16

Marine Engine Performance Data

Curve No. M-90197 DS-4959 CPL: 0741 DATE: 12May99

General Engine Data*

General Engine Data"			
Engine Model Rating Type Rated Engine Power	155B High Output 112 [155] 2800 2968 - 3080 700 - 900 381[281] 1222 [177] 16.5:1 11.2 [2205]		
Fuel System*			
Fuel Consumptionlitre/hr [GPH] Approximate Fuel Flow to Pumplitre/hr [GPH] Fuel Transfer Pump Pressure RangekPa [PSI]	28.8 [7.6] 37 [10] 3.5-69 [0.5-10]		
Weight (Dry)			
Engine Only kg [lb] With Heat Exchanger Cooling System kg [lb]	390 [860] +33 [72]		
Air System*			
Intake Manifold Pressure	711 [28] 130 [270] 14 [800] 0 [32]		
Exhaust System*			
Exhaust Gas Flow (after turbine) litre/sec [CFM] Exhaust Gas Temperature (after turbine) °C [°F]	320 [700] 482 [900]		
Cooling System*			
Heat Rejection to Coolant	95 [5400] 189 [50] 87 [23] 103 [15]		
INSTALLATION DIAGRAMS:			
Engine Only	3884676		

CUMMINS ENGINE COMPANY, INC. COLUMBUS, INDIANA

^{*}All Data at Rated Conditions

^{**}Consult Installation Direction Booklet for Limitations