

CHONGQING CUMMINS ENGINE PERFORMANCE CURVE

 Engine Model
 Curve No.

 NTA855-D(M)
 D(M)-169

 Configuration
 CPL Code
 Date

 D093641MX02
 CQ126
 11-Sep-08

Prime Power

bhp

36.7

19.7

9.7

5.2

kW

0.362

0.388

Displacement: 14L [855 in.³] kW [HP] @ r/min Bore: 140mm [5.50 in.] Prime Power: 284 [380] @1500

Stroke: **152mm** [6.00in.]

Fuel System: PT Aspiration: Turbocharged/Aftercooled

Cylinders: 6 Exhaust: Wet

CERTIFIED: This marine diesel engine complies with or is certified to the:

142

71

Engine Speed

r/min

1500

50

25

IMO-NOx requirements of the International Maritime Organization (IMO), MARPOL 73/78 Annex VI, Regulation 13

Overload Capacity

190

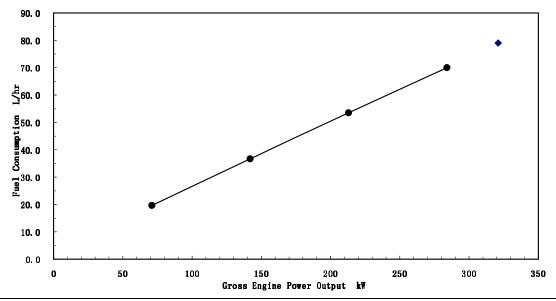
95

1300		321	430	204	380	
Engine Performance Data @ 1500 r/min						
OUTPUT POWER			FUEL CONSUMPTION			
%	kW	bhp	kg/kW.h	lb/bhp.h	l/hr	gal/hr
10% Overload Capacity						
110	321	430	0.209	0.347	79.0	21.0
Prime Power						
100	284	380	0.210	0.346	70.0	18.5
75	213	285	0.214	0.352	53.5	14.1

0.220

0.236

bhp



Rating Conditions: Ratings are in accordance with ISO-3046 reference conditions; air pressure at 100 kPa (29.61.in Hg.), air temperature 25°C (77°F), and 30% relative humidity. The fuel consumption data is based on GB252 No.0 diesel fuel (No. 2 diesel fuel in U.S.) weight at 0.85 kg/litre (7.1 lb/U.S. gal).

Power output curves are based on the engine operating with fuel system, water pump, and lubricating oil pump; not included are battery charging alternator, fan, optional equipment, and driven components.

Operation at Elevated Temperatures for sustained operation above 40°C (104°F), derate 2% per 11°C (1% per 10° **Prime Power Rating** is applicable for supplying continual electrical power at varied load. The following are the Prime Rating parameters:

- * Prime Power is available for an unlimited number of hours per year in a variable load application. Variable load should not exceed a 70% average of the Prime Power rating during any operating period of 250 hours.
- * The total operating time at 100% Prime Power shall not exceed 500 hours per year.
- * There is a 10% overload capability for a period of 1 hour within a 12 hour period of operation. Total operating time at 10% overload shall not exceed 25 hours per year.