CHONGQING CUMMINS ENGINE CO.,Ltd. CHONGQING, P.R.CHINA, 400031 Marine Performance Curves	Basic Engine Model: **N855-DM**	Curve Number: **FR900**		
	Engine Configuration: **D093641MX02**	CPL Code: **CQ168**	Date: **18-Jul-11**	

Displacement: **14 liter** **[855 in³]**
Bore: **140 mm** **[5.50 in]**
Stroke: **152 mm** **[6.00 in]**
Fuel System: **Direct Injection Cummins PT**
Cylinders: **6**

kW [hp] @ rpm
Advertised Power: **317[425]@1500**

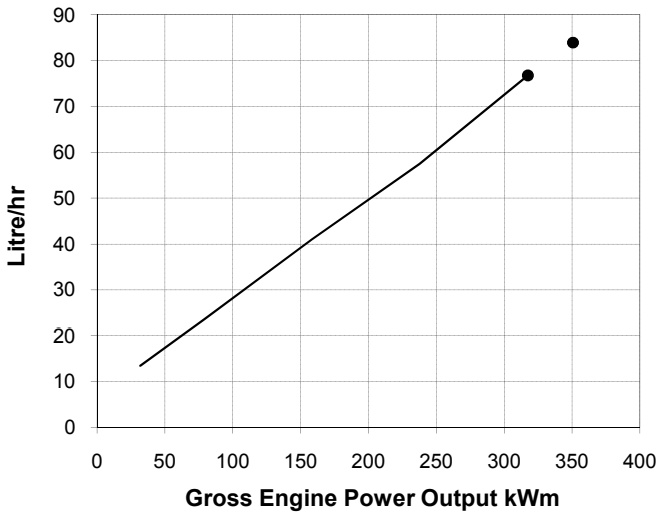
Aspiration: **Turbocharged / LTA**
Exhaust Type: **Wet**

CERTIFIED: This marine diesel engine complies with or is certified to the:
IMO Tier II (Two) NOx requirements of International Maritime Organization (IMO), MARPOL 73/78 Annex VI, Regulation 13

Engine Speed	Overload Capacity		Prime Power		Continuous Power	
RPM	kWm	BHP	kWm	BHP	kWm	BHP
1500	351	470	317	425	N.A.	N.A.

Engine Performance Data @ 1500 rpm

OUTPUT POWER			FUEL CONSUMPTION			
%	kWm	BHP	kg/kWh	Lb/ BHP-h	Liter/ hour	U.S. Gal/ hour
10% OVERLOAD CAPACITY						
110%	351	470	0.203	0.335	83.9	22.17
PRIME POWER						
100%	317	425	0.206	0.339	76.8	20.28
75%	238	319	0.206	0.338	57.5	15.19
50%	159	213	0.220	0.362	41.0	10.84
25%	79	106	0.253	0.417	23.6	6.24
10%	32	43	0.359	0.591	13.4	3.54
CONTINUOUS POWER						
80%	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.



Rating Conditions: Ratings are in accordance with ISO 15550 and ISO 8528-5 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 No. 2 diesel fuel weight at 0.85 kg/liter (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.
Unless otherwise specified, all data is at rated power conditions and can vary ± 5%.
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.

TECHNICAL DATA DEPT.

CHIEF ENGINEER