



Shanghai Cummins Trade Co., Ltd.

Shanghai, China, 200030

Marine Performance Curves

Basic Engine Model:

B5.9CMII136G

Curve Number:

FR96893

Engine Configuration:

D403115MX03

CPL Code:

CPL5571

Date:

16-Apr-19

Displacement: **5.9 liter** [360 in³]

Bore: **102 mm** [4.02 in]

Stroke: **120 mm** [4.72 in]

Fuel System: **HPCR**

Cylinders: **6**

Advertised Power: kW [hp] @ rpm
100[134]@1500

Aspiration: **Turbocharged/Aftercooled**

Exhaust Type: **Dry**

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

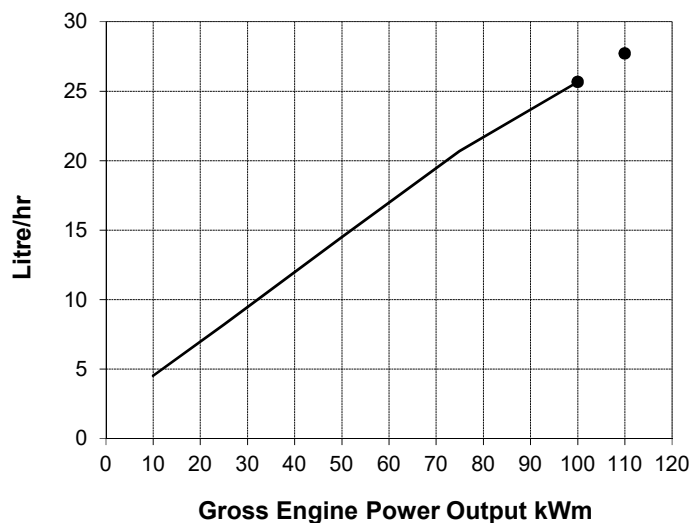
China Marine Emission Regulation Stage II GB15097-2016

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	110	147	100	134	N.A.	N.A.

Engine Performance Data @ 1500 rpm

OUTPUT POWER			FUEL CONSUMPTION			
%	kWm	BHP	g/kWh	Lb/ BHP-h	Liter/ hour	U.S. Gal/ hour
10% OVERLOAD CAPACITY						
110%	110	147	211	0.352	27.7	7.32
PRIME POWER						
100%	100	134	215	0.359	25.7	6.78
75%	75	100	232	0.386	20.7	5.46
50%	50	67	244	0.406	14.5	3.83
25%	25	33	275	0.459	8.2	2.17
10%	10	13	381	0.636	4.5	1.20
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 0.84 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 $\pm 5\%$.

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 80% 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.

APPLICATION ENGINEER