	<b>Shanghai Cummins Trade Co., Ltd.</b> Shanghai, China, 200030  Marine Performance Curves	Basic Engine Model: <b>B5.9CMI113G</b>	Curve Number: <b>FR96892</b>	
		Engine Configuration: <b>D403115MX03</b>	CPL Code: <b>CPL5571</b>	Date: <b>16-Apr-19</b>

Displacement: **5.9 liter**      **[360 in³]**  
Bore: **102 mm**      **[4.02 in]**  
Stroke: **120 mm**      **[4.72 in]**  
Fuel System: **HPCR**  
Cylinders: **6**

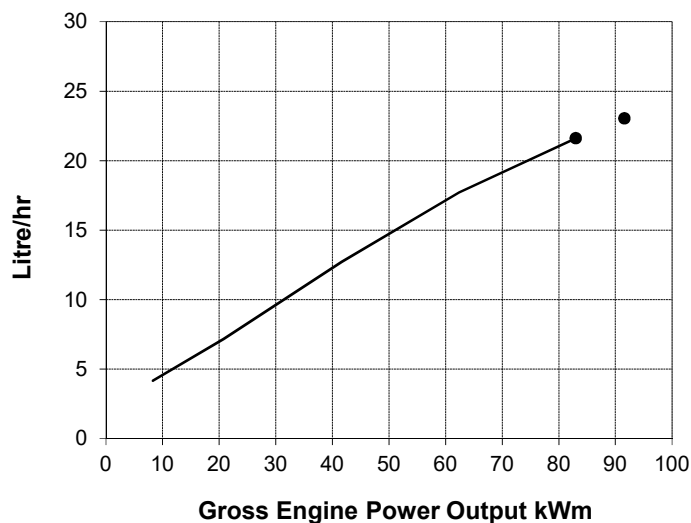
kW [hp] @ rpm  
Advised Power: **83[112]@1500**  
  
Aspiration: **Turbocharged/Aftercooled**  
Exhaust Type: **Dry**

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	92	123	83	112	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
<b>10% OVERLOAD CAPACITY</b>						
110%	92	123	215	0.351	23.0	6.09
<b>PRIME POWER</b>						
100%	83	112	218	0.362	21.6	5.71
75%	62	84	238	0.396	17.7	4.68
50%	42	56	256	0.426	12.7	3.36
25%	21	28	289	0.480	7.2	1.89
10%	8	11	421	0.699	4.2	1.10
<b>CONTINUOUS POWER</b>						
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