	Shanghai Cummins Trade Co., Ltd. Shanghai, China, 200030 Marine Performance Curves	Basic Engine Model: B5.9CMII156G	Curve Number: FR96894	
		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**

kW [hp] @ rpm
 Advertised Power: **115[154]@1500**

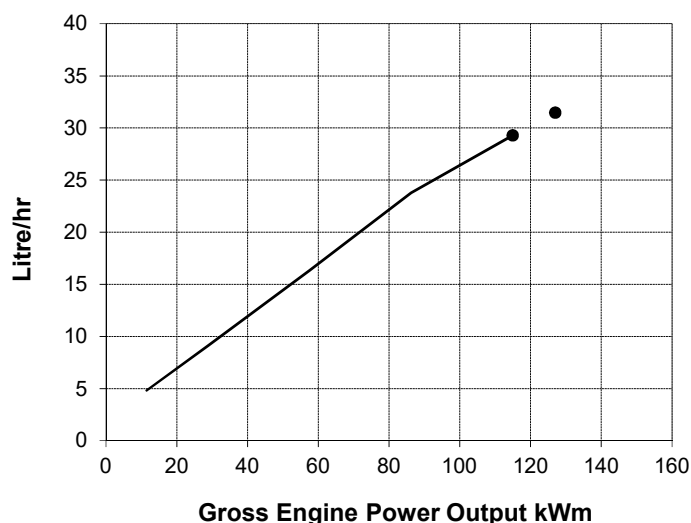
 Aspiration: **Turbocharged/Aftercooled**
 Exhaust Type: **Dry**

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	127	170	115	154	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%	127	170	208	0.347	31.5	8.31
PRIME POWER						
100%	115	154	214	0.356	29.3	7.74
75%	86	116	231	0.386	23.8	6.28
50%	58	77	238	0.397	16.3	4.31
25%	29	39	266	0.443	9.1	2.41
10%	11	15	353	0.588	4.8	1.28
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