	CUMMINS INC. Charleston, SC 29405 Marine Performance Curves	Basic Engine Model:	Curve Number:	
		KTA19-D(M)	FR-4292a	
		Engine Configuration:	CPL Code:	Date:
		D193097MX02	2634	5-Oct-09

Displacement: **19 liter [1150.00 in³]**
Bore: **159 mm [6.25 in]**
Stroke: **159 mm [6.25 in]**
Fuel System: **Direct injection Cummins PT**
Cylinders: **6**

kW [hp] @ rpm
Advised Power: **403[540] @1500**

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

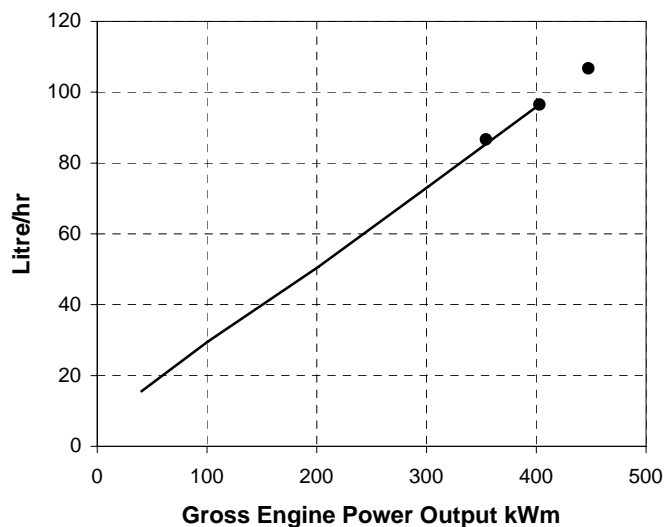
CERTIFIED: This marine diesel engine complies with or is certified to the:

IMO - NOx requirements of the 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	448	600	403	540	354	475

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%	448	600	0.203	0.334	106.7	28.2
PRIME POWER						
100%	403	540	0.204	0.335	96.5	25.5
75%	302	405	0.207	0.340	73.4	19.4
50%	201	270	0.214	0.352	50.7	13.4
25%	101	135	0.249	0.410	29.5	7.8
10%	40	54	0.329	0.541	15.6	4.1
CONTINUOUS POWER						
80%	354	475	0.208	0.342	86.7	22.9



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).

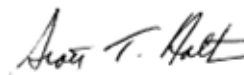
Power output curves are based on the engine operating with fuel system, water pump, and lubricating oil pump; not included are battery charging alternator, fan, optional equipment, and driven components.

Unless otherwise specified, all data is at rated power conditions and can vary $\pm 5\%$.

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 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