	<b>CHONGQING CUMMINS ENGINE COMPANY Ltd.</b>  <b>ENGINE PERFORMANCE CURVE</b>	Basic Engine Model: <b>KTA38-G4</b>	Curve Number: <b>FR-6138</b>	Page No.
		Engine Critical Parts List:  <b>CPL: 1542</b>	Date:  <b>03JAN2004</b>	
Displacement : <b>37.8 litre (2300 in<sup>3</sup>)</b>		Bore : <b>159 mm (6.25 in.)</b> Stroke : <b>159 mm (6.25 in.)</b>		
No. of Cylinders : <b>12</b>		Aspiration : <b>Turbocharged and Aftercooled</b>		

Engine Speed  RPM	Standby Power		Prime Power		Continuous Power	
	kWm	BHP	kWm	BHP	kWm	BHP
<b>1500</b>	-----	-----	-----	-----	-----	-----
<b>1800</b>	<b>1112</b>	<b>1490</b>	<b>1007</b>	<b>1350</b>	<b>776</b>	<b>1040</b>

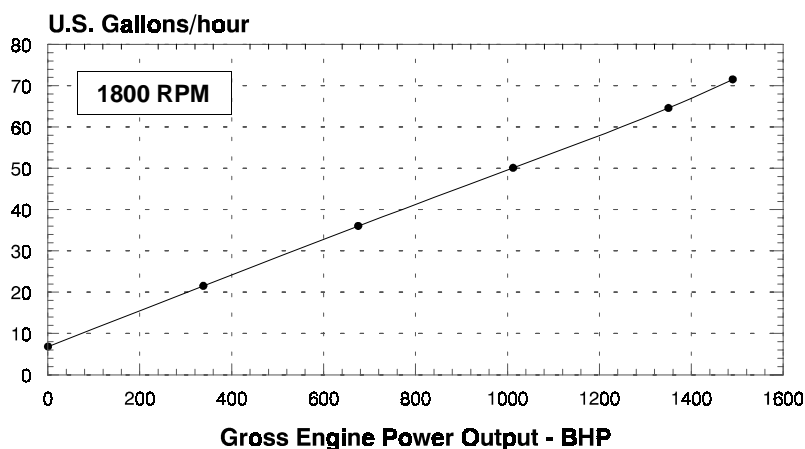
## Engine Performance Data @ 1500 RPM

**Not Available at 1500 RPM**

**Not Available at 1500 RPM**

## Engine Performance Data @ 1800 RPM

OUTPUT POWER			FUEL CONSUMPTION			
%	kWm	BHP	kg/ kWm·h	lb/ BHP·h	litre/ hour	U.S. Gal/ hour
<b>STANDBY POWER</b>						
100	1112	1490	0.207	0.341	271	71.5
<b>PRIME POWER</b>						
100	1007	1350	0.207	0.340	245	64.6
75	755	1012	0.214	0.351	190	50.1
50	504	675	0.229	0.379	136	36.0
25	252	338	0.273	0.452	81	21.5
<b>CONTINUOUS POWER</b>						
100	776	1040	0.212	0.348	193	51.0



**CONVERSIONS:** (Litres = U.S. Gal x 3.785) (kWm = BHP x 0.746) (U.S. Gal = Litres x 0.2642) (BHP = Engine kWm x 1.34)

Data shown above represent gross engine performance capabilities obtained and corrected in accordance with ISO-3046 conditions of 100 kPa (29.53 in Hg) barometric pressure [110 m (361 ft) altitude], 25 °C (77 °F) air inlet temperature, and relative humidity of 30% with No. 2 diesel or a fuel corresponding to ASTM D2. See reverse side for application rating guidelines.

The fuel consumption data is based on No. 2 diesel fuel weight at 0.85 kg/litre (7.1 lbs/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.