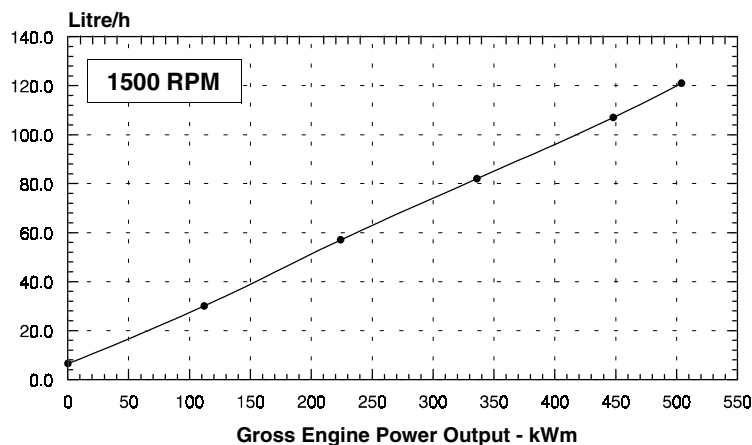
	<b>CHONGQING CUMMINS ENGINE COMPANY Ltd.</b>  <b>ENGINE PERFORMANCE CURVE</b>	Basic Engine Model: <b>KTA19-G4</b>	Curve Number: <b>FR-4212</b>	Page No.
		Engine Critical Parts List:  <b>CPL: 4153</b>	Date:  <b>03JAN2004</b>	
Displacement : <b>18.9 litre (1150 in<sup>3</sup>)</b>		Bore : <b>159 mm (6.25 in.)</b> Stroke : <b>159 mm (6.25 in.)</b>		
No. of Cylinders : <b>6</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>504</b>	<b>675</b>	<b>448</b>	<b>600</b>	<b>355</b>	<b>475</b>
<b>1800</b>	<b>563</b>	<b>755</b>	<b>507</b>	<b>680</b>	<b>429</b>	<b>575</b>

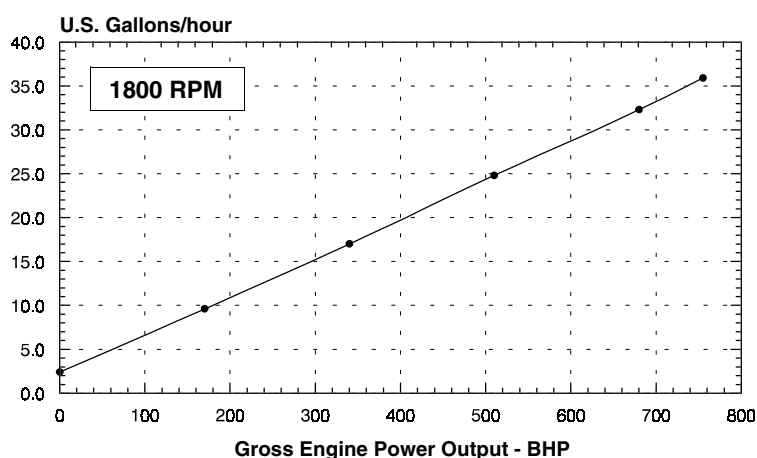
## Engine Performance Data @ 1500 RPM

OUTPUT POWER			FUEL CONSUMPTION			
%	kWm	BHP	kg/ kWm·h	lb/ BHP·h	litre/ hour	U.S. Gal/ hour
<b>STANDBY POWER</b>						
100	504	675	0.204	0.336	121	31.9
<b>PRIME POWER</b>						
100	448	600	0.203	0.336	107	28.4
75	336	450	0.207	0.341	82	21.6
50	224	300	0.216	0.353	57	14.9
25	112	150	0.228	0.383	30	8.1
<b>CONTINUOUS POWER</b>						
100	355	475	0.207	0.340	86	22.8



## 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	563	755	0.206	0.338	136	35.9
<b>PRIME POWER</b>						
100	507	680	0.205	0.337	122	32.3
75	380	510	0.210	0.346	94	24.8
50	254	340	0.218	0.355	65	17.0
25	127	170	0.241	0.401	36	9.6
<b>CONTINUOUS POWER</b>						
100	429	575	0.207	0.340	104	27.5



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