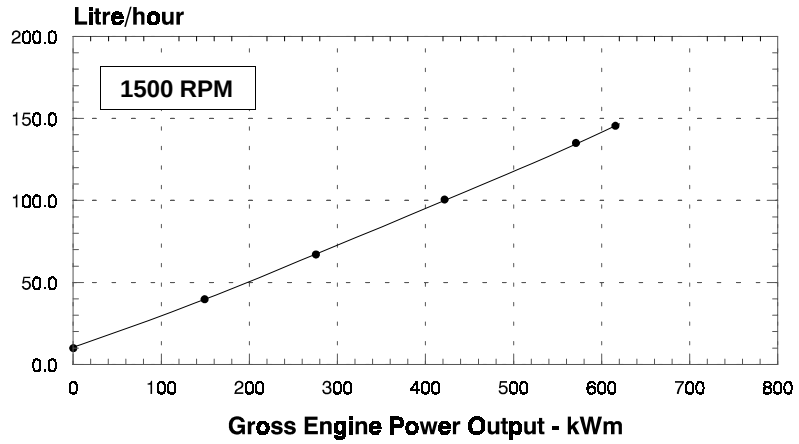
CCEC	**CHONGQING CUMMINS ENGINE COMPANY Ltd.**	Basic Engine Model: **KT38-G**	Curve Number: **C-3642**	Page No.
	ENGINE PERFORMANCE CURVE	Engine Critical Parts List: **CPL: 0850**	Date: **03JAN200**	

Displacement : **37.8** litre (**2300** in^3)	Bore : **159** mm (**6.25** in.) Stroke : **159** mm (**6.25** in.)
No. of Cylinders : **12**	Aspiration : **Turbocharged and Aftercooled**

Engine Speed	Standby Power		Prime Power		Continuous Power	
RPM	kWm	BHP	kWm	BHP	kWm	BHP
1500	615	825	560	750		
1800	747	1000	679	910		

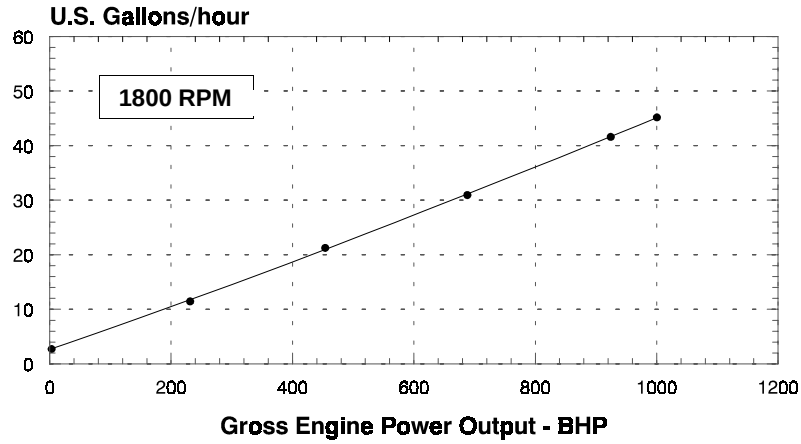
Engine Performance Data @ 1500 RPM

OUTPUT POWER			FUEL CONSUMPTION			
%	kWm	BHP	kg/ kWm·h	lb/ BHP·h	litre/ hour	U.S. Gal/ hour
STANDBY POWER						
100	615	825	0.213	0.351	154	40.7
PRIME POWER						
100	560	750	0.213	0.350	140	37.0
75	420	563	0.211	0.347	104	27.5
50	280	375	0.222	0.365	73	19.3
25	140	188	0.261	0.430	43	11.4
0	0	0			20	5.3



Engine Performance Data @ 1800 RPM

OUTPUT POWER			FUEL CONSUMPTION			
%	kWm	BHP	kg/ kWm·h	lb/ BHP·h	litre/ hour	U.S. Gal/ hour
STANDBY POWER						
100	747	1000	0.197	0.324	173	45.7
PRIME POWER						
100	679	910	0.192	0.317	154	40.7
75	509	682	0.197	0.325	118	31.2
50	340	456	0.210	0.346	84	22.2
25	170	228	0.250	0.412	50	13.2
0	0	0			26	6.9



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.

TECHNICAL DATA DEPT. **CERTIFIED WITHIN 5%** **CHIEF ENGINEER**