CHONGQING CUMMINS ENGINE COMPANY LTD.
ENGINE PERFORMANCE CURVE

CONFIGURATION	ENGINE MODEL: KTA38-G2B	CURVE NUMBER: FR-6924	CPL No.: 3660
D233020DX02			DATE: 2013/6/22

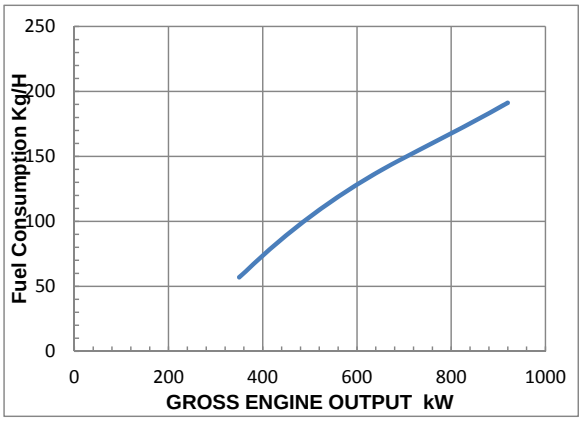
Displacement:	38L	(2300)	Aspiration: Turbocharged , Aftercooled	RATING
BoreXStroke:	159X159mm	(6.25X6.25 in.)	Fuel System: Cummins PT	920 kW(1233 BHP)@1800r/min
Compress Ratio:	14.5:1		No. of Cylinder: V-12	790 kW(1058 BHP)@1500r/min

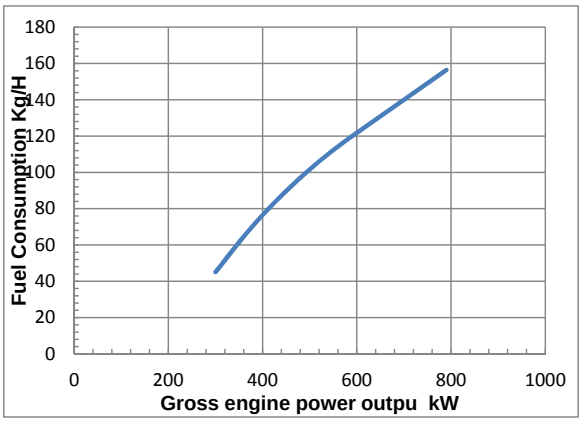
All data is based on the engine operating with fuel system, water pump, and 20 in. H2O(4.98kPa) inlet air restriction with 5.8 in.(147mm) inner diameter, and with 2 in. Hg(7kPa) exhaust restriction with 8 in.(203mm) inner diameter; not included are alternator, fan, optional equipment and driven components. Coolant flows and heat rejection data based on coolant as 50% ethylene glycol/50% water. All data is subject to change without notice.

GROSS ENGINE POWER OUTPUT

SPEED	STANDBY POWER		PRIME POWER		CONTINUOUS POWER	
rpm	BHP	kW	BHP	kW	BHP	kW
1800	1233	920	1112	830		
1500	1058	790	953	711		

FUEL CONSUMPTION





OUTPUT POWER			CONSUMPTION		BFSC	
%	BHP	kW	Lb/h	Kg/h	g/kW.h	Lb/BHP.h
			1800RPM			
STNADBY						
100	1233	920	422	191	208	0.342
PRIME						
100	1112	830	382	173	209	0.344
75	834	623	294	133	214	0.353
50	626	467	208	94	202	0.332
25	470	350	126	57	163	0.267
			1500RPM			
STANDBY						
100	1058	790	345	156	198	0.326
PRIME						
100	953	711	313	142	200	0.328
75	715	533	240	109	204	0.335
50	536	400	169	77	191	0.315
25	402	300	99	45	150	0.247

Curves shown above represent gross engine performance capabilites obtained and corrected in accordance with SAE J1995 conditions of 29.61 in. Hg(100kPa) barometric pressure [300ft.(91m) altitude] 77deg F (25 deg C) inlet temperature, and 0.30 in. Hg(1kPa) water vapor pressure with No.2 diesel fuel.

TECHNICAL DATA DEPT. CERTIFIED WITHIN 5% CHIEF ENGINEER