



CHONGQING CUMMINS ENGINE COMPANY LTD.

CONSTRUCTION PERFORMANCE CURVE

CONFIGURATION
D193091DX02

BASIC ENGINE MODEL:
KTA19-G3A

CURVE NUMBER:
C-4212B

CPL No.: 4153
DATE: 2012/3/22

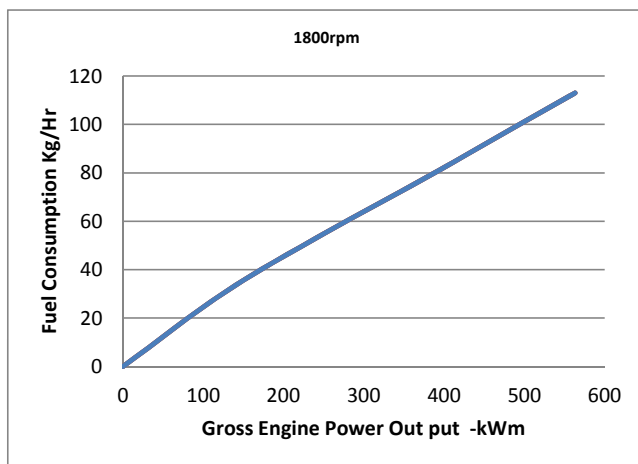
Displacement: 19L (1150) Aspiration: Turbocharged , Aftercooled RATING:
BoreXStroke: 159X159mm (6.25X6.25) Fuel System Cummins PT 754 BHP(563 kW)@1800r/min
Compression Ratio 13.9:1 Emission Certification: 675 BHP(504 kW)@1500r/min

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

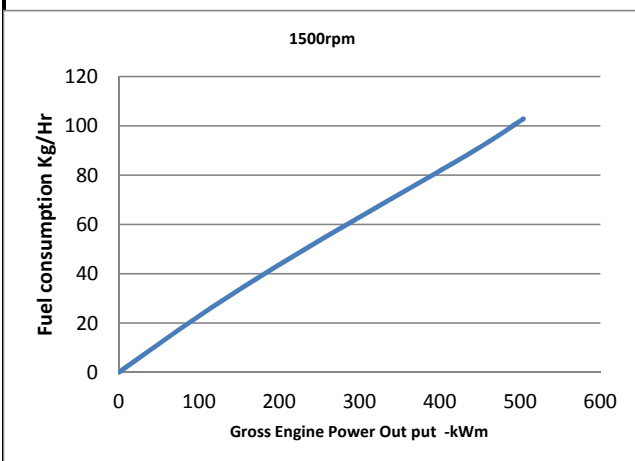
Engine Power

Engine Speed	Stand By		Prime		Continues	
	BHP	kWm	BHP	kWm	BHP	kWm
1800	754	563	679	507		
1500	675	504	600	448		

Fuel Consumption



	Power		Fuel Kg/hr
	%	BHP kWm	
100(Stand_by)		754 563	113.05
100(Prime)		679 507	102
75		509 378	78.2
50		340 252	55.25
25		170 126	30.6
0		0 0	0



	Power		Fuel Kg/hr
	%	BHP kWm	
100(Stand_by)		675 504	102.85
100(Prime)		600 448	90.95
75		450 336	69.7
50		300 224	48.45
25		150 112	25.5
0		0 0	0

Curves shown above represent gross engine performance capabilities 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.

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