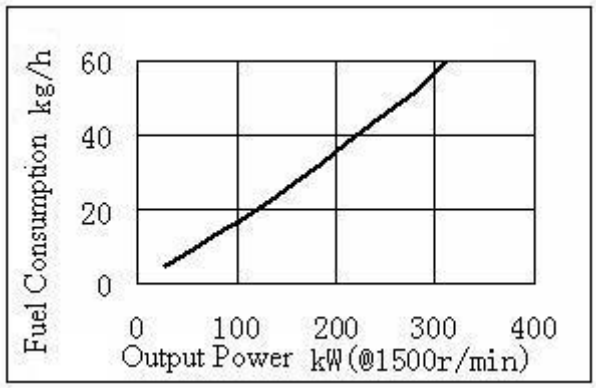
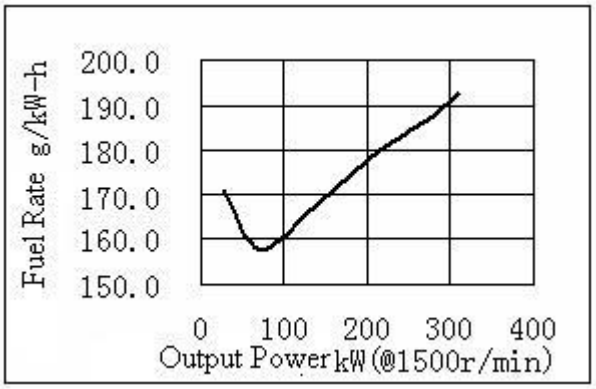
Chongqing Cummins Engine Co.,Ltd Engine Performance Curve	Basic Engine Model: **MTAA11-G3**	Curve Number: **FR 237**
	Engine Family: **D35**	CPL Code: **CQ223**

Displacement: **10.8 L** Aspiration: **Turbocharged & Aftercooled** Emission Controled: **STC**
Bore: **125 mm** Stroke: **147 mm** No. of Cylinders: **6**
Fuel System: **PT-STC** Standby Power/Governed Speed: **310kW/1500r/min**
All data is based on the engine operating with fuel system, water pump, lubricating oil pump, and 3.7kPa inlet restriction and with 6.7kPa exhaust restriction, not included are alternator, fan, optional equipment and driven components.

Engine Speed (r/min)	Standby Power (kW)	Prime Power (kW)	Contiuous Power (kW)
1500	**310**	**282**	**210**





	Output Power (kW)	Fuel Consumption (kg/h)	Fuel Rate (g/kW-h)
Standby Power			
100%	310	59.6	192.5
Prime Power			
100%	282	52.1	188.0
75%	212	38.2	179.6
50%	141	23.5	170.8
25%	71	11.7	158.0
10%	28	5.0	170.8
Contiuous Power			
100%	210	40	190.0

Curve shown above represent gross engine performance capabilities obtained and corrected in accordance with SAE J1995, ISO3046, GB 1105/T and conditions of 100kPa barometric pressure (1500 m altitude), 40℃ inlet air temperature with No.0 diesel which meets GB 252. The engine may be operated without changing the fuel setting up to 1500m altitude and 40℃ environment temperature. For sustained operation at high altitudes, the power of the engine should be adjusted to limit performance by 4% per 300m above 1525m altitude and 2% per 11℃ above 40℃. Tolerance is certified within 5%.