



Stationary Pump Engine Performance Data
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6CTAA8.3-P250

183 kW @ 1500 r/min

FR96001

**CPL Code
CPL5240**

**Revision
2017/4/17**

**Version
00**

Displacement: 8.3L

Aspiration: Turbocharged & Aftercooled

Application: Stationary Pump

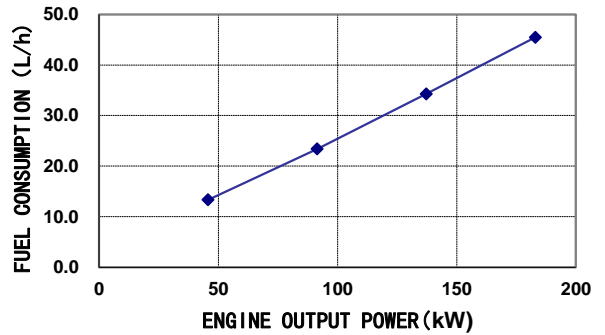
Fuel System: Mechanical Pump + Electronical Governor

All data is based on the engine operating without air compressor, fan, generator, fan, optional equipment and driven components .
 All data is based on the engine operating with 3.7 kPa inlet air restriction , 10 kPa exhaust restriction and with 13 kPa Inter-cooled implement differential pressure
 Curves shown above represent gross engine performance capabilities obtained and corrected in accordance with GB/T18297 conditions of 99kPa baiometric press. 298K inlet air temperature, and 1kPa water vapor pressure .

Performance curve

1500rpm Engine performance data

ENGINE OUTPUT POWER			FUEL CONSUMPTION	
%	kW	Ps	g/kW.h	L/h
100	183	249	205	45.5
75	137.25	187	206	34.3
50	91.5	124	211	23.4
25	45.75	62	241	13.4



General Performance Data

Low idle speed:	800±50	rpm
Maximum no load speed:	1575±20	rpm
Maximum overspeed capability(15sec max):	2900	rpm
Maximum altitude limit for continious running:	1500	m
* Above 1500m, power derated 4% per 300m		
Cold start capability(Sea Level without Load)		
Without start add device:	-12	°C
With air intake preheating:	-35	°C
Cold start capability(Sea Level with Load)*		
Max parasitic load at 0°C @ 500r/min without Aid:	NA	N.m
Max parasitic load at -15°C @ 500r/min without Aid:	NA	N.m

* The data measured at 101kPa atmospheric pressure, crank speed 120r/min, Engine use 5W40 lube oil and diesel refer to GB19147

Performance data

Parameter	Advertised Power
Engine Speed(rpm)	1500
Output Power(kW)	183
Torque(N.m)	1165
Inlet air flow(L/s)	185
Charge air flow(kg/min)	860
Exhaust gas flow(kg/min)	861
Exhaust gas temperature(deg C)	510
Heat rejection to coolant(kW)	83
Radiator coolant flow(L/min)	198
Heat rejection to charge air cooler(kW)	25
Turbo Comp.Outlet Pressure(kPa)	145
Temperature(deg C)	150
Fuel Consumption(kg/hr)	38