



Stationary Pump Engine Performance Data  
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**QSB5.9-P160**

**120 kW @ 1500 r/min**

**FR95821**

CPL Code  
**CPL4813**

Revision  
**2017/4/25**

Version  
**00**

Displacement: 5.9L

Aspiration: Turbocharged & Charge air cooled

Application: Stationary Pump

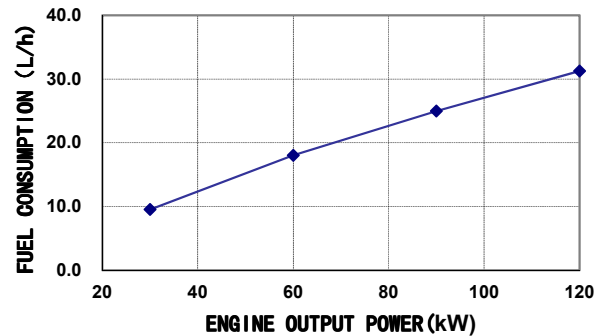
Fuel System: HPCR

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  
 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	120	160	215	31.3
75	90	120	229	25.0
50	60	80	248	18.0
25	30	40	262	9.5



**General Performance Data**

Low idle speed:	1000±50	rpm
Maximum no load speed:	1575±20	rpm
Maximum overspeed capability(15sec max):	3100	rpm
Maximum altitude limit for continuous running:	4000	m
Cold start capability(Sea Level without Load)		
Without start add device:	-15	°C
With air intake preheating:	-35	°C
Cold start capability(Sea Level with Load)*		
Max parasitic load at 0°C @ 500r/min without Aid:	320	N.m
Max parasitic load at -15°C @ 500r/min without Aid:	300	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)	120
Torque(N.m)	764
Inlet air flow(L/s)	135.7
Charge air flow(kg/min)	10.5
Exhaust gas flow(kg/min)	11
Exhaust gas temperature(deg C)	480
Heat rejection to coolant(kW)	48.7
Radiator coolant flow(L/min)	178
Heat rejection to charge air cooler(kW)	15.8
Turbo Comp.Outlet Pressure(kPa)	163
Temperature(deg C)	159
Fuel Consumption(kg/hr)	31.3