



Stationary Pump Engine Performance Data
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QSB5.9-P130

96 kW @ 1500 r/min

FR95822

CPL Code
CPL4813

Revision
2017/4/25

Version
00

Displacement: 5.9L

Aspiration: Turbocharged & Charge air cooled

Application: Stationary Pump

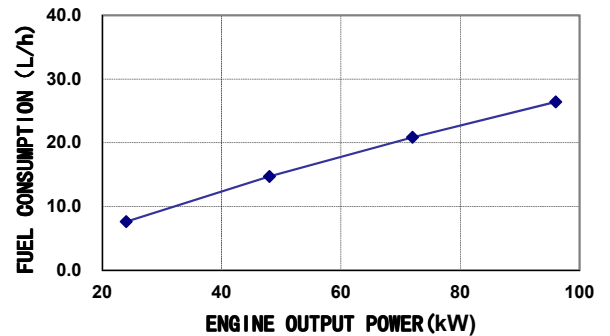
Fuel System: HPCR

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	96	130	227	26.4
75	72	98	239	20.9
50	48	65	253	14.7
25	24	33	262	7.6



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)	96
Torque(N.m)	611
Inlet air flow(L/s)	123.4
Charge air flow(kg/min)	9.55
Exhaust gas flow(kg/min)	10
Exhaust gas temperature(deg C)	465
Heat rejection to coolant(kW)	41.5
Radiator coolant flow(L/min)	170
Heat rejection to charge air cooler(kW)	12.5
Turbo Comp.Outlet Pressure(kPa)	160
Temperature(deg C)	154
Fuel Consumption(kg/hr)	26.4