



Stationary Pump Engine Performance Data

DONGFENG CUMMINS ENGINE Co.,LTD

XiangYang, Hubei Province, China
www.cumminspowerunits.com

QSB6.7-P200

147 kW @ 2900 r/min
760 N.m @ 1800 r/min

FR96114

CPL Code
CPL4375

Revision
2017/4/25

Version
00

Displacement: 6.7L

Aspiration: Turbocharged & Charge Air Cooled

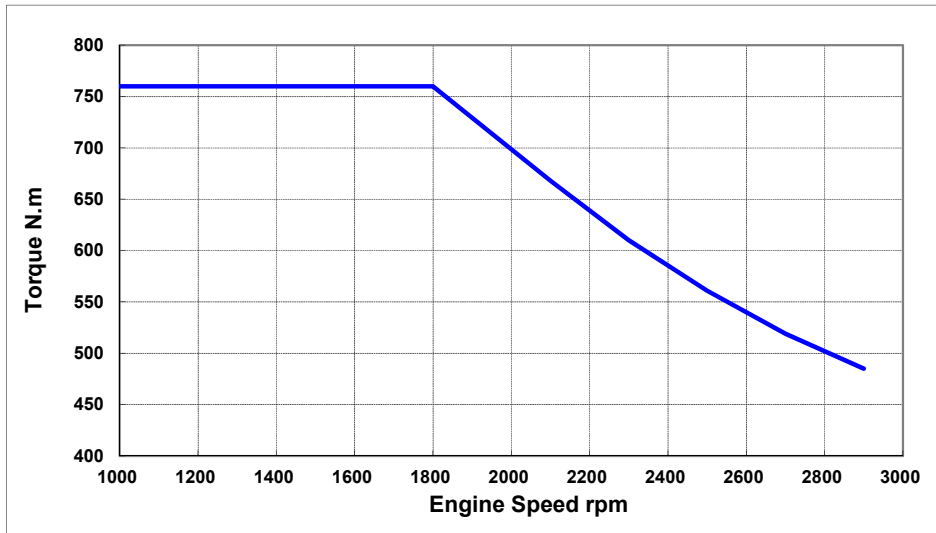
Application: Stationary Fire Pump

Fuel System: HPCR

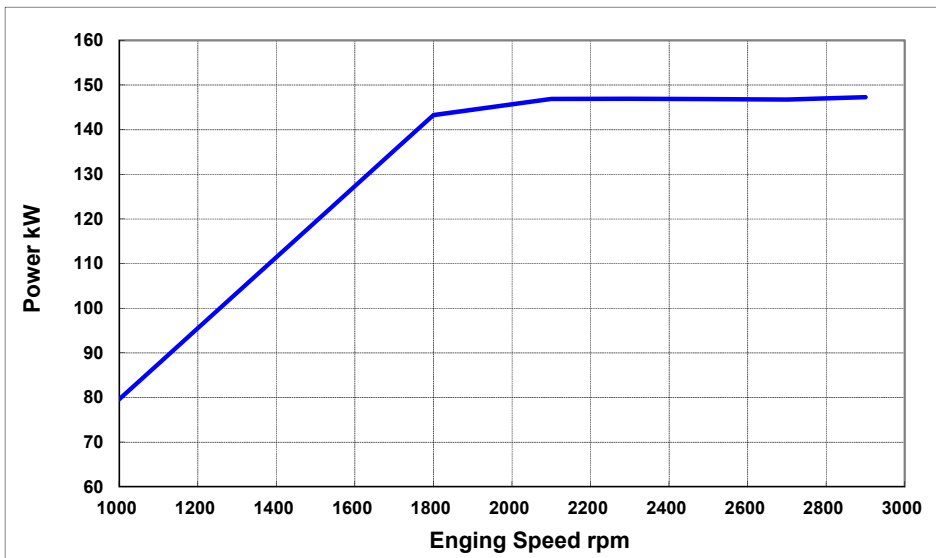
All data is based on the engine operating without air compressor, fan, generator, fan, optional equipment and driven components .
All data is based on the engine operating with 3.7 kPa inlet air restriction , 10 kPa exhaust restriction and with 13 kPa Inter-cooled implement differential pressure

Curves shown above represent gross engine performance capabilities obtained and corrected in accordance with GB/T18297 of 99kPa baiometric press. 298K inlet air temperature, and 1kPa water vapor pressure .

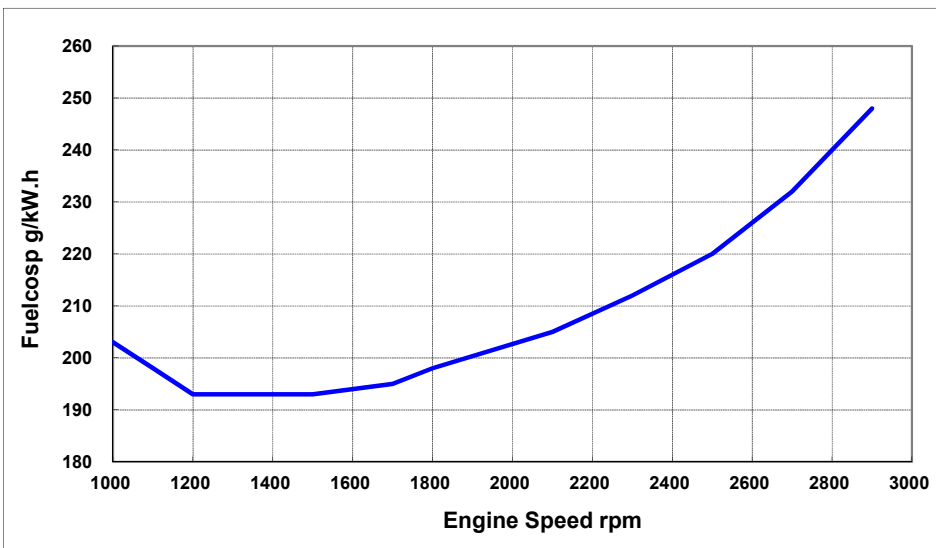
Performance curve



Torque	
rpm	N.m
2900	485
2700	519
2500	561
2300	610
2100	668
1800	760
1700	760
1500	760
1200	760
1100	760
1000	760



Power	
rpm	kW
2900	147
2700	147
2500	147
2300	147
2100	147
1800	143
1700	135
1500	119
1200	95
1100	88
1000	80



Fuelcosp	
rpm	g/kW.h
2900	248
2700	232
2500	220
2300	212
2100	205
1800	198
1700	195
1500	193
1200	193
1100	198
1000	203



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General Performance Data

Low idle speed:	1000±50	rpm
Maximum no load speed:	3000±20	rpm
Maximum overspeed capability(15sec max):	3300	rpm
When 0% gas pedal loading capacity@1000rpm :	760	N.m
Maximum altitude limit for continuous running:	3800	m
Minimum Pump Inlet Pressure:	6	kPa
Cold start capability(Sea Level without Load)		
Without start add device:	NA	°C
With air intake preheating:	NA	°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	Peak Torque	Low Speed
Engine Speed(rpm)	2900	1800	1000
Output Power(kW)	147	143	80
Torque(N.m)	485	760	760
Inlet air flow(L/s)	387.6	170.5	64.6
Charge air flow(kg/min)	30	13.2	5.00
Exhaust gas flow(kg/min)	30.6	13.7	5.3
Exhaust gas temperature(deg C)	486	414	530
Heat rejection to coolant(kW)	70.0	57.0	44.0
Radiator coolant flow(L/min)	329.0	223.0	160.0
Heat rejection to charge air cooler(kW)	40.0	21.0	4.6
Turbo Comp.Outlet Pressure(kPa)	150	130	50
Temperature(deg C)	143	131	80
Fuel Consumption(kg/hr)	37.5	28.0	16