Stationary Pump Engine Performance Data DONGFENG CUMMINS ENGINE Co.,LTD XiangYang, Hubei Province, China www.cumminspowerunits.com	6BTAA5.9-P160	120 kW @ 1500 r/min		
	FR95997	CPL Code CPL3289	Revision 2017/4/17	Version 00

Displacement: 5.9L — Aspiration: Turbocharged & Aftercooled

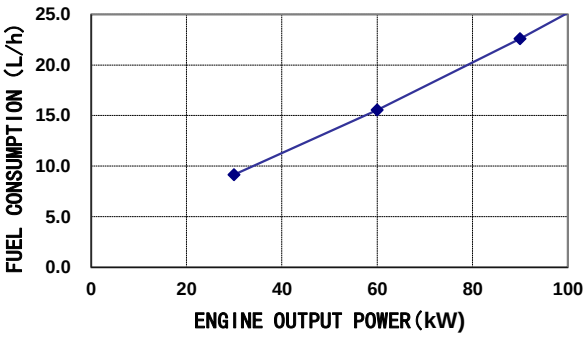
Application: Stationary Pump — Fuel System: Mechanical Pump + Electronical Governor

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	120	163	208	30.3
75	90	122	207	22.6
50	60	82	214	15.6
25	30	41	252	9.2



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	℃
With air intake preheating:	-35	℃
Cold start capability(Sea Level with Load)*		
Max parasitic load at 0℃ @ 500r/min without Aid:	NA	N.m
Max parasitic load at -15℃ @ 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)	120
Torque(N.m)	764
Inlet air flow(L/s)	114
Charge air flow(kg/min)	530
Exhaust gas flow(kg/min)	530
Exhaust gas temperature(deg C)	500
Heat rejection to coolant(kW)	59
Radiator coolant flow(L/min)	120
Heat rejection to charge air cooler(kW	15
Turbo Comp.Outlet Pressure(kPa)	120
Temperature(deg C)	140
Fuel Consumption(kg/hr)	25