

# FUJIAN EPOS ELECTRIC MACHINERY CO., LTD

**EMEAN**  
POWER



ENGINE MODEL: 6LTAA9.5-G1  
CURVE & DATASHEET: FR95002

EMEAN POWER

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WHATSAPP



WECHAT





Stationary Pump Engine Performance Data  
**DONGFENG CUMMINS ENGINE Co.,LTD**  
 XiangYang, Hubei Province, China  
<http://www.dcec.com.cn>

**6LTAA9.5-G1**

**290 kW @ 1500 r/min**  
**280 kW @ 1800 r/min**

**FR95002**

**CPL Code**  
**CPL4603**

**Revision**  
**2017/5/11**

**Version**  
**02**

Displacement: 9.5L

Aspiration: Turbocharged & Charge Air Cooled

Application: Genset

Fuel System: Mechanical fuel pump and Electronic 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 10 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 .

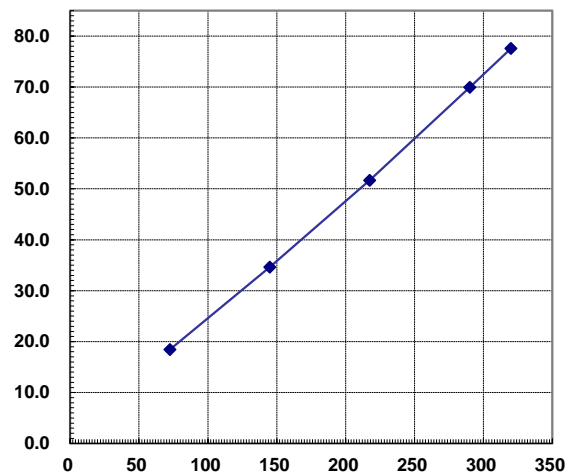
**Performance curve**

Engine Speed RPM	Standby Power		Prime Power		Continuous Power	
	kW	HP	kW	HP	kW	HP
1500	320	429	290	389	254	340
1800	310	416	280	375	244	327

**Engine Performance Data @ 1500 RPM**

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
<b>STANDBY POWER</b>				
100	320	429	200	78
<b>PRIME POWER</b>				
100	290	389	199	70
75	218	291	196	52
50	145	194	197	35
25	73	97	210	18
<b>CONTINUOUS POWER</b>				
100	254	340	198	61

Litre/hour

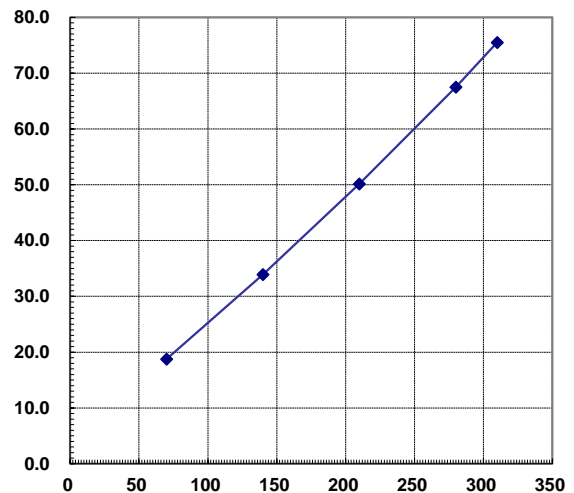


Engine Power Output - kW

**Engine Performance Data @ 1800 RPM**

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
<b>STANDBY POWER</b>				
100	310	415	201	76
<b>PRIME POWER</b>				
100	280	375	199	68
75	210	281	197	50
50	140	188	200	34
25	70	94	221	19
<b>CONTINUOUS POWER</b>				
100	244	327	198	59

Litre/hour



Engine Power Output - kW



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**General Performance Data**

Low idle speed:	800±50	rpm
Maximum no load speed:	1575/1890±20	rpm
Maximum overspeed capability(15sec max):	2900	rpm
Cold start capability(Sea Level without Load)		
Without start add device:	-12	°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	STADNBY POWER		PRIME POWER	
	1800	1500	1800	1500
Engine Speed(rpm)	1800	1500	1800	1500
Output Power(kW)	310	320	280	290
Torque(N.m)	1645	2037	1486	1846
Inlet air flow(L/s)	345	310	326	281
Charge air flow(kg/min)	27	24	25	22
Exhaust gas flow(kg/min)	28	25	26	23
Exhaust gas temperature(deg C)	495	600	475	580
Heat rejection to coolant(kW)	95	107	87	97
Radiator coolant flow(L/min)	5	3	5	3
Heat rejection to CAC(kW)	73	66	60	53
Turbo Comp.Outlet Pressure(kPa)	235	241	211	210
Temperature(deg C)	199	208	183	190
Fuel Consumption(kg/hr)	62	64	56	58



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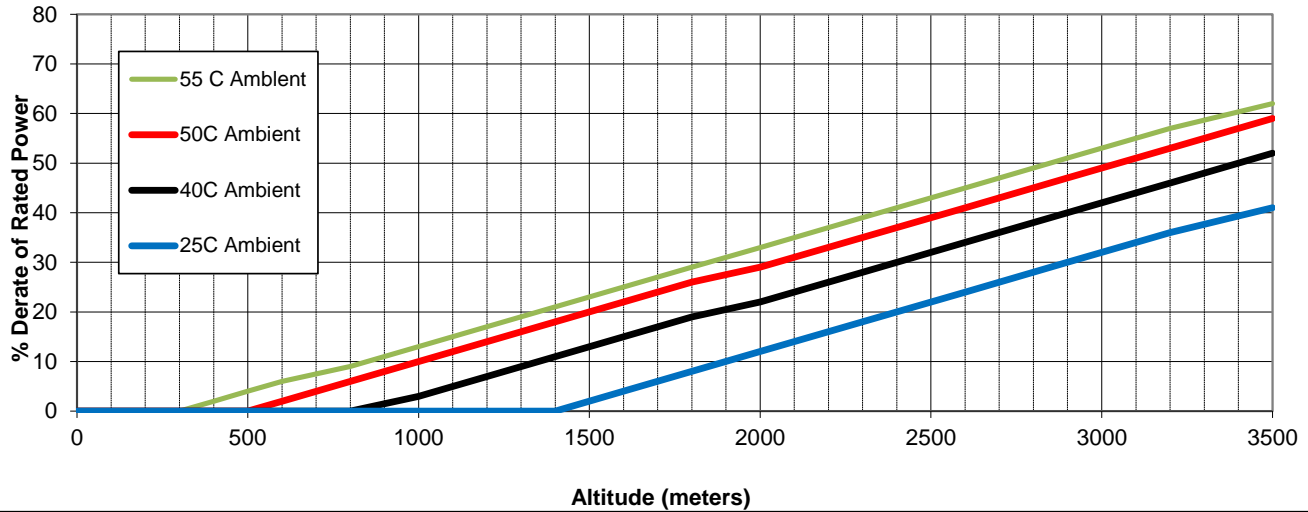
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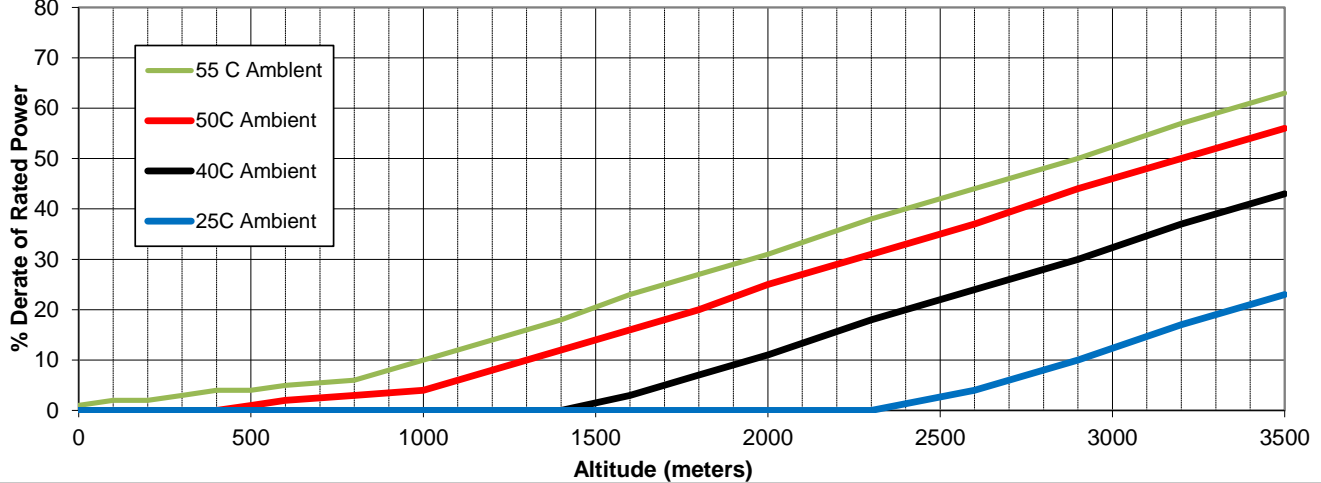
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**1500rpm Altitude Derate Standby Power**



**1500rpm Altitude Derate Prime Power**





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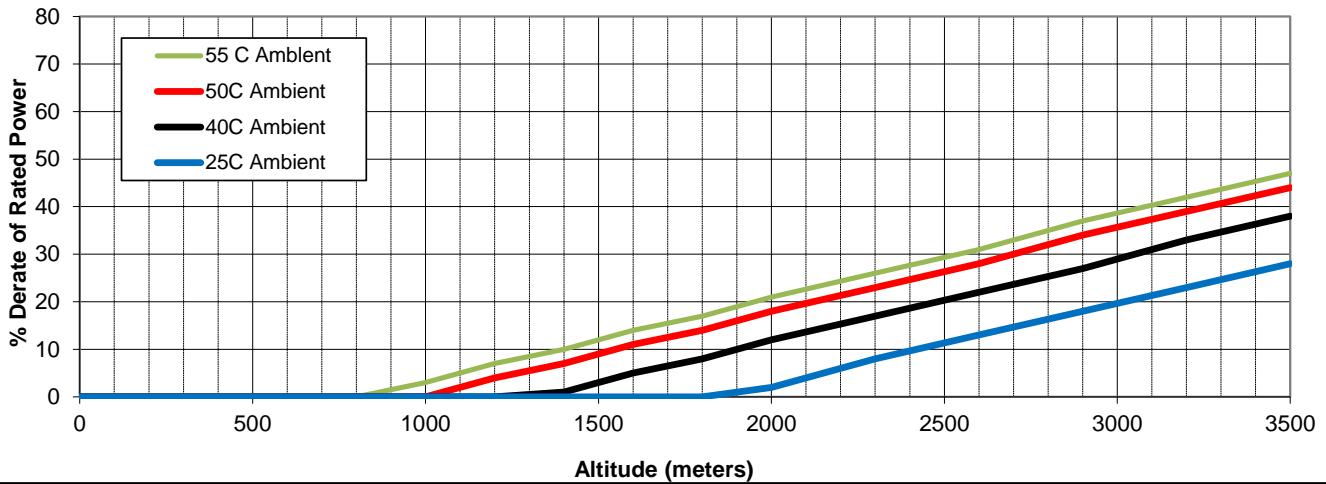
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1800rpm Altitude Derate Standby Rating



1800rpm Altitude Derate Prime Rating

