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# Gorban Power Diesel Generator

[www.gorban-generator.com](http://www.gorban-generator.com)



## Portable Diesel Generator



### Generator Feature

- ✦ Quiet Operation
- ✦ Customizable Control Panel
- ✦ Advanced Alternator Technology
- ✦ Low Oil Alarm System
- ✦ Innovative AVR Technology
- ✦ Powerful Performance

- ☂ **Powerful Performance:** Powered by the robust four-stroke diesel engine, enhanced with an innovative fuel pump and inertia injection technology,
- ☂ **Two-Stage Muffler System:** Equipped with a patented two-stage muffler, which offers superior noise reduction through advanced air-flue design, ensuring quieter operation.
- ☂ **High Conversion Efficiency:** Featuring a 100% copper alternator and Class F insulation, delivering high conversion efficiency, with the smart AVR system ensuring stable voltage and minimal waveform distortion.

Datasheet	Measure	PF=1		PF=0.8	
		50	60	50	60
Frequency	Hz	50	60	50	60
Rated Power	kVA	4.6	5	5.8	6.3
Max Power	kVA	5	5.5	6.3	6.87
Rated Speed	r.p.m	3000	3600	3000	3600
Standard Voltage	V	230	220	400	440
Power Factor	Cos Phi	1		0.8	
Fuel Consumption	g/kWh	275	280	275	280
Noisy Level	dB(A)@7m	Open: 85	Silent: 72-75	Open: 85	Silent: 72-75



<b>Engine Model</b>	<b>Measure</b>	<b>186FA / 186FAE</b>
Type		Single cylinder, in-lined, 4-stroke, air-cooled, direct injection
Bore*Stroke	mm	86*72
Displacement	ml	418
Compression Ratio		19:01
Rated Output Power	kW/rpm	6.8/3000 7.5/3600
Lubrication System		Pressure splashed
Lube Oil Brand		CD SAE 10W-30, 15W-40 Above
Fuel Consumption Rate	g/kW.h	3000rpm: $\leq$ 275 3600rpm: $\leq$ 280
Fuel Type	Diesel	Diesel 0#(Summer) or -10#(Winter), -35#(Freezing)
Fuel Tank Capacity	L	12.5/16
Continuous Running Time	H	7.3/9.3
<b>Starting System</b>		<b>12V Electric Starter /Recoil Start</b>
Starting Motor Capacity		12V 0.8kW
Battery Charger		12V 3A
Battery Capacity		12V 28Ah

✧ Remote Control Capability

Offering you convenience and flexibility whenever needed. Control your generator effortlessly from anywhere at any time.

✧ Digital Control Panel

It provides real-time data on the generator's performance, ensuring ease of use and better management.

✧ Automatic Transfer Switch (ATS) Functionality

Enables seamless switching between city power and generator power, ensuring a smooth transition without manual intervention.

✧ Intelligent Protection System

Smart digital control panel is equipped with safety functions like overload, over-voltage, over-current, low oil pressure protection.





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