



PLUS POWER EQUIPMENT CO.,LTD.

www.pluspowergenerator.com

Features

45 KVA DIESEL GENERATOR SET

- Compact structure with high-strength chassis;
- Easy operation and maintenance, Low cost;
- Excellent performance damping system;
- Compliance with international electrical safety standards of electrical system;
- High-performance maintenance-free batteries with isolation switch
- 50°C Radiator;
- Top lifting, Forklift bottom hole design, easy to transport;
- Absorber;
- Convenient power output interface;
- Customized design for user;
- Ripple flex exhaust pipe, exhaust siphon, flange, Industrial muffler;



GENERAL DATA		ENGINE DATA	
Model:	PR50	Brand:	RICARDO
Prime Power (P.R.P):	45 kVA	Model:	R4102ZD
Stand-by Power (L.T.P):	50 kVA	Type:	water cooled
Amps:	65.0	Starting System:	24 Volt Electric Starter
Power Factor / COS:	0.8	Cylinder*Bore*Stroke:	4*102*118mm
Frequency:	50 Hz	Displacement:	3.9L
Voltage:	380-415 V	Compression Ratio:	
Phases:	3	Rated Power (kW/RPM):	44/1500
Size(L*W*H):	2100*900*1300mm	Fuel Type:	Diesel
Weight:	950kg's	Lube Oil:	15W40
Tank Capacity:	107L	Lubrication:	13L
Fuel Cons. @ 100% Load:	13L/h	Coolant:	13L

Generator have Low engine oil pressure/High engine coolant temperature/Engine over or under speed/Alternator high or low voltage and etc protect system.

ALTERNATOR		CONTROL PANEL	
Model:	224C	Model:	Smartgen 6120
Excitation Mode:	Self Excitation	Type:	Digital Control Panel
Auto Voltage Regulator:	Constant voltage AVR	Analogue Inputs:	2
ISO9001 Certified:	Yes	Mains Phase Voltage:	Yes
CE Certified:	Yes	Mains Line Voltage:	Yes

Alternator brand: PLUS POWER, Stamford, Leroysoner, etc.

Controller brand: PLUS POWER, Smartgen, DEIF, Deepsea, etc.

Optional			
Engine	Control System	Fuel System	Alternator
• Water Jacket Preheater	• AMF function	• 12/24 hour base tank	• PMG excitation
• Fuel-water separator	• Parallel operation	• Dual wall base fuel tank	• Space heater
• Oil pump	• Remote control	• Outside fuel tank	• Winding Temperature
• Oil preheater	• Automatic Transfer Switching	• Automatic fuel feeding	• Double-frequency and double voltage
• Battery preheater		• Fuel level indicate	

Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820-97(eqv ISO8528), A 10% overload capability is available for a period of 1 hour within a 12-hour period of operation.

Standby power rating is applicable for supplying emergency power for the duration of a utility power interruption. No overload, utility parallel or negotiated outage operation capability is available at this rating.