



DIESEL GENERATOR SET



MODEL		P66
Standby Power (50HZ)		53KW/66KVA
Prime Power (50HZ)		48KW/60KVA
Open type	2000*750*1100mm/860 kg	
Soundproof Type	2500*1000*1250mm/1180 kg	
Fuel tank 150L (8 hours)		
Features		
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 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;		
Genset Technical Data		
Rated voltage	400 V	
Phase	3	
Noise	@ 7m 70dB	
Fuel consumption of 100% load	14 Litres/h	
Fuel consumption of 75% load	11 Litres/h	
Voltage regulation rate	≤±1%	
Random voltage variation	≤±1%	
Frequency regulation rate	≤±5%	
Random frequency variation	≤±0.5%	
ENGINE DATA		
Engine Model	1103A-33TG2	
Engine Manufacturer	PERKINS	
Number of Cylinder	3	
Cylinder arrangement	Vertical in-line	
Cycle	4 stroke	
Aspiration	turbocharged	
Bore x Stroke	105 x 127 mm	
Displacement	3.3L	
Compression Ratio	17.25:1	
Prime Power/speed	53.8KW / 1500rpm	
Standby Power/speed	59.3KW / 1500rpm	
Speed governor	Electrical	
Cooling System	Forced Water Cooling Cycle	
Steady speed droop	≤1%	
Total lubrication system capacity	7.9L	
Coolant capacity	10.2L	
Fuel consumption at 100% load	218 g/Kw.h (at 1500RPM)	
Starter motor	DC 12V	
Alternator	DC 12V	
Alternator Specifications :- GP/STAMFORD/LEROY SOMER		
Alternator model	224E	
Prime power/speed	53KW	
Standby power/speed	48KW	
Connecting Type:	3 Phase and 4 Wires, "Y" type connecting	
Efficiency	88,6%	
Rated speed	1500 RPM	
Rated frequency	50HZ	
Phase	3	
Rated voltage	400V	
Exciter type	Self excitation, Brushless	
Power factor	0,8	
Voltage adjust range	≥5%	
Voltage regulation NL-FL	≤±1%	
Insulation grade	H	
Protection grade	IP23	

Optional**Fuel System**

- 12 / 24 hour base tank (single wall)
- Dual wall base fuel tank
- Outside fuel tank
- Automatic fuel feeding
- Fuel level indicate

Canopy

- Hired type
- Economy Oil heater
- Trailer

**DSE Control Panel**

DSE6020 is an Auto Mains (Utility) Failure Control Module suitable for diesel gen-set applications.

Monitoring speed, frequency, voltage, current, oil pressure, coolant temperature and fuel level, the modules will display warnings, shutdown and engine status information on the back-lit LCD screen and illuminated LED.

DSE6020 offer electronic (CAN) and non-electronic (magnetic pick-up/alternator sensing) engine versions and offer a number of flexible inputs, outputs and engine protections so the system can be easily adapted to suit a wide range of application demands. The modules can be easily configured using the DSE Configuration Suite PC software. Selected front panel editing is also available.

KEY FEATURES**• AMF & ATS**

- Front panel editing
- Power Save mode
- 4 Digital inputs
- 3 Analogue inputs
- Alternative configuration
- Event Log (5)
- Remote Start input
- Test button
- Engine pre-heat
- Hours counter
- Configurable timers and alarms
- Back-lit icon LCD display

- LED and LCD alarm indication
- PC and front panel configuration
- 3 Phase generator monitoring
- Current monitoring and protection
- Power monitoring (kW, kV A, kV Ar)
- 3 Phase Mains (Utility) monitoring
- Battery Voltage monitoring
- CAN and Magnetic Pick-up/Alt. versions available (specify on ordering)
- 6 Outputs (4 configurable on Magnetic Pick-up/Alt., 6 configurable on CAN version)
- Comprehensive shutdown or warning on fault condition

KEY BENEFITS

- Automatically transfers between mains (utility) and generator power
- Hours counter provides accurate information for monitoring and maintenance periods
- User-friendly set-up and button
- Multiple engine parameters are monitored simultaneously
- Module can be configured to suit individual applications
- Compatible with a wide range of CAN engines
- Uses DSE Configuration Suite PC software for simplified configuration
- IP65 rating (with optional gasket) offers increased resistance to water ingress
- Licence-free PC software