DIESEL GENERATOR SET

MODEL		P14
Standby Power (50HZ)		**11KW/14KVA**
Prime Power (50HZ)		**10KW/13KVA**
Open type	1320*600*1200mm/390 kg	
Soundproof Type	2000*950*1250mm/670 kg	
Fuel tank 40L (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 muffer;
• Dry type air filter, fuel filter, oil filter

Genset Technical Data

Rated voltage	400 V
Phase	3
Noise	@7m 65dB
Fuel consumption of 100% load	3.7 Litres/h
Fuel consumption of 75% load	2.8 Litres/h
Voltage regulation rate	≤±1%
Random voltage variation	≤±1%
Frequency regulation rate	≤±5%
Random frequency variation	≤±0.5%

ENGINE DATA

Engine Model	403A-15G1
Engine Manufacturer	PERKINS
Number of Cylinder	3
Cylinder arrangement	Vertical in-line
Cycle	4 stroke
Aspiration	naturally
Bore x Stroke	84 x 90 mm
Displacement	1.496L
Compression Ratio	22.5:1
Prime Power/speed	12.0KW / 1500rpm
Standby Power/speed	13.2KW / 1500rpm
Speed governor	Electrical
Cooling System	Forced Water Cooling Cycle
Steady speed droop	≤1%
Total lubrication system capacity	6L
Coolant capacity	6L
Fuel consumption at 100% load	248 g/Kw.h (at 1500RPM)
Starter motor	DC 12V
Alternator	DC 12V

Alternator Specifications :- GP/STAMFORD/LEROY SOMER

Alternator model	164C
Prime power/speed	11KW
Standby power/speed	10KW
Connecting Type:	3 Phase and 4 Wires, "Y" type connecting
Efficiency	78,7%
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

DSE 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		KEY BENEFITS
· AMF & ATS	· LED and LCD alarm indication	· Automatically transfers between mains (utility) and generator power
· Front panel editing	· PC and front panel configuration	
· Power Save mode	· 3 Phase generator monitoring	· Hours counter provides accurate information for monitoring and maintenance periods
· 4 Digital inputs	· Current monitoring and protection	
· 3 Analogue inputs	· Power monitoring (kW, kV A, kV Ar)	· User-friendly set-up and button
·Alternative configuration	· 3 Phase Mains (Utility) monitoring	· Multiple engine parameters are monitored simultaneously
· Event Log (5)	· Battery Voltage monitoring	· Module can be configured to suit individual applications
· Remote Start input	· CAN and Magnetic Pick-up/Alt. versions available (specify on ordering)	· Compatible with a wide range of CAN engines
· Test button	· 6 Outputs (4 configurable on Magnetic Pick-up/Alt., 6 configurable on CAN version)	· Uses DSE Configuration Suite PC software for simplified configuration
· Engine pre-heat		
· Hours counter	· Comprehensive shutdown or warning on fault condition	· IP65 rating (with optional gasket) offers increased resistance to water ingress
· Configurable timers and alarms		
· Back-lit icon LCD display		· Licence-free PC software