

DIESEL GENERATOR SET



MODEL		P220
Standby Power (50HZ)		176KW/220KVA
Prime Power (50HZ)		160KW/200KVA
Open type	2700*900*1450mm/1550 kg	
Soundproof Type	3300*1100*1800mm/2150 kg	
20ft container type	6058*2438*2591mm/4550 kg	
Fuel tank 450L (8 hours)		
Features <ul style="list-style-type: none"> • 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; • Dry type air filter, fuel filter, oil filter. 		
Genset Technical Data		
Rated voltage	400 V	
Phase	3	
Noise	@7m 70dB	
Fuel consumption of 100% load	43 Litres/h	
Fuel consumption of 75% load	33 Litres/h	
Voltage regulation rate	≤±1%	
Random voltage variation	≤±1%	
Frequency regulation rate	≤±5%	
Random frequency variation	≤±0.5%	
ENGINE DATA		
Engine Model	1106A-70TAG4	
Engine Manufacturer	PERKINS	
Number of Cylinder	6	
Cylinder arrangement	Vertical in-line	
Cycle	4 stroke	
Aspiration	turbocharged, after cooled	
Bore x Stroke	105 x 135 mm	
Displacement	7.01L	
Compression Ratio	16.0:1	
Prime Power/speed	174KW / 1500rpm	
Standby Power/speed	191KW / 1500rpm	
Speed governor	Electrical	
Cooling System	Forced Water Cooling Cycle	
Steady speed droop	≤1%	
Total lubrication system capacity	16.5L	
Coolant capacity	21.0L	
Fuel consumption at 100% load	213 g/Kw.h (at 1500RPM)	
Starter motor	DC 12V	
Alternator	DC 12V	
Alternator Specifications :- GP/STAMFORD/LEROY SOMER		
Model	274H	
Prime power/speed	176KW	
Standby power/speed	160KW	
Connecting Type	3 Phase and 4 Wires, "Y" type connecting	
Efficiency (%)	93.3%	
Rated speed	1500 RPM	
Rated frequency	50 Hz	
Phase	3	
Rated voltage	400 V	
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
• 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
 <p style="text-align: center;">DSE 6020</p>

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.

<p>KEY FEATURES</p> <ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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 	<p>KEY BENEFITS</p> <ul style="list-style-type: none"> • 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
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