

DIESEL GENERATOR SET



PROTECT

MODEL		P17
Standby Power (50HZ)		13.6KW/17KVA
Prime Power (50HZ)		12KW/15KVA
Open type	1320*600*1200mm/420 kg	
Soundproof Type	2000*950*1250mm/700 kg	
Fuel tank 50L (8 hours)		
<div>Features</div> <div><div><div><div>• Compact structure with high-strength chassis;</div><div>• Easy operation and maintenance, Low cost;</div><div>• Excellent performance damping system;</div><div>• Compliance with international electrical safety standards of electrical system;</div><div>• High-performance maintenance-free batteries with isolation switch</div><div>• 50 Radiator;</div><div>• Top lifting, Forklift bottom hole design, easy to transport;</div><div>• Absorber;</div><div>• Convenient power output interface;</div><div>• Customized design for user;</div></div><div>Ripple flex exhaust pipe, exhaust siphon, flange, Industrial muffler;</div><div>• Dry type air filter, fuel filter, oil filter.</div></div><div>• •</div></div>		
Genset Technical Data		
Rated voltage	400 V	
Phase	3	
Noise	@7m 65dB	
Fuel consumption of 100% load	4.0 Litres/h	
Fuel consumption of 75% load	3.0 Litres/h	
Voltage regulation rate	≤±1%	
Random voltage variation	≤±1%	
Frequency regulation rate	≤±5%	
Random frequency variation	≤±0.5%	
ENGINE DATA		
Engine Model	403A-15G2	
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	13KW / 1500rpm	
Standby Power/speed	15KW / 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	250 g/Kw.h (at 1500RPM)	
Starter motor	DC 12V	
Alternator	DC 12V	
Alternator Specifications :- GP/STAMFORD/LEROY SOMER		
Alternator model	164D	
Prime power/speed	13.2KW	
Standby power/speed	12KW	
Connecting Type:	3 Phase and 4 Wires, "Y" type connecting	
Efficiency	79,6%	
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

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 <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	KEY BENEFITS <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
---	--	--