



DIESEL GENERATOR SET



| MODEL | | P150 |
|---|--|--------------|
| Standby Power (50HZ) | | 120KW/150KVA |
| Prime Power (50HZ) | | 108KW/135KVA |
| Open type | 2700*900*1450mm/1400 kg | |
| Soundproof Type | 3100*1100*1600mm/1900 kg | |
| 20ft container type | 6058*2438*2591mm/4400 kg | |
| Fuel tank 300L (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 | 27 Litres/h | |
| Fuel consumption of 75% load | 21 Litres/h | |
| Voltage regulation rate | ≤±1% | |
| Random voltage variation | ≤±1% | |
| Frequency regulation rate | ≤±5% | |
| Random frequency variation | ≤±0.5% | |
| ENGINE DATA | | |
| Engine Model | 1106A-70TAG1 | |
| 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 | 117KW / 1500rpm | |
| Standby Power/speed | 129KW / 1500rpm | |
| Speed governor | Electrical | |
| Cooling System | Forced Water Cooling Cycle | |
| Steady speed droop | ≤1% | |
| Total lubrication system capacity | 13L | |
| Coolant capacity | 15L | |
| Fuel consumption at 100% load | 206.9 g/Kw.h (at 1500RPM) | |
| Starter motor | DC 12V | |
| Alternator | DC 12V | |
| Alternator Specifications :- GP/STAMFORD/LEROY SOMER | | |
| Alternator model | 274E | |
| Prime power/speed | 120KW | |
| Standby power/speed | 112KW | |
| Efficiency | 91,7% | |
| Connecting Type: | 3 Phase and 4 Wires, "Y" type connecting | |
| 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 6020

**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