

DIESEL GENERATOR SET



MODEL		P165
Standby Power (50HZ)		132KW/165KVA
Prime Power (50HZ)		120KW/150KVA
Open type	2700*900*1450mm/1450 kg	
Soundproof Type	3100*1100*1600mm/2000 kg	
20ft container type	6058*2438*2591mm/4450 kg	
Fuel tank 300L (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.

Rated voltage 400 V Phase 3 Fuel consumption of 100% load 97m 70dB Fuel consumption of 75% load 24 Litres/h Voltage regulation rate ≤11% Random voltage variation ≤11% Frequency regulation rate ≤45% Random frequency variation ≤20.5% ENGINEDAYX *** Eagine Manufacturer *** 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 130kW 1/50rpm Standby Power-speed 14kW 1/50rpm Standby Power-speed Forced Water Cooling Cycle Steady speed droop Flectrical Colong System Forced Water Cooling Cycle Steady speed droop 51km Total lubrication system capacity 131. Coolant capacity 131. </th <th></th> <th></th>			
Phase 3 3 3 3 3 3 3 3 3	Genset Technical Data		
Noise	Rated voltage	400 V	
Fuel consumption of 100% load	Phase	3	
Fuel consumption of 75% load	Noise	@7m 70dB	
Voltage regulation rate	Fuel consumption of 100% load	31 Litres/h	
Random voltage variation		24 Litres/h	
Frequency regulation rate			
Seminary Seminary			
Engine Model 1106A-70TAG2 Engine Model 1106A-70TAG2 Engine Manufacturer 66 Cylinder 76 Cylinder 76 Cylinder 86 Cylinder arrangement 76 Cycle 84 stroke 85 Aspiration 105 x 135 mm 105 Displacement 7.01L Compression Ratio 16.0:1 Prime Power/speed 130KW / 1500rpm 150Kmb / 1500rpm 150Kmb / 1500rpm 150Kmb / 1500rpm 150Kmb / 150Kmb			
Engine Model 1106A-70TAG2 Engine Manufacturer PEKKINS Number of Cylinder Cycle 6 4 stroke Aspiration (University of turbocharged, after cooled) Bore x Stroke 105 x 135 mm Displacement 7.01L Compression Ratio 16.0:1 Prime Power'speed 130KW 1500rpm Standby Power'speed 134KW 1500rpm Standby Power'speed 144KW 1500rpm Standby Power'speed 144KW 1500rpm Steady speed droop 5 Electrical Cooling System Forced Water Cooling Cycle Steady speed droop 13L Coolant capacity 15L Coolant capacity 15L Coolant capacity 15L Fuel consumption at 109% load 206.9 g/kw.h (at 1500RPM) Starter motor DC 12V Alternator Alternator Specifications : GP/STAMFORD/LEROY SOMER Alternator model 274FS Prime power/speed 132KW Standby power/speed 120KW Efficiency 9,2.1% Connecting Type: 3 Phase and 4 Wires, "Y' type connecting Rated speed 400V Exciter type Self-excitation, Brushless Power factor 0,8 Rated voltage 400V Exciter type Self-excitation, Brushless Power factor 0,8 Voltage adjust range 55% Voltage regulation NL-FL Issuarion and turbus 15 metal turbus 15	Random frequency variation	≤±0.5%	
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 130KW / 1500rpm Standby Power/speed 144kW / 1500rpm Stead governor Electrical Cooling System Forced Water Cooling Cycle Steady speed droop 51% 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/LERGY SOMER Alternator model 274F8 Prime power/speed 132kW Standardy power/speed 132kW Efficiency 92,1 % Connecting Type: 3 Phase and 4 Wires, "Y" type connecting Rated frequency 50HZ<	ENGINE DATA		
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 130kW / 1500rpm Standby Power/speed 144KW / 1500rpm Steady speed governor Electrical Cooling System Forced Water Cooling Cycle Steady speed droop 51% Total lubrication system capacity 13L Coolant capacity 15L Full consumption at 100% load 20.6.9 g/kw.h (at 1500RPM) Starter motor DC 12V Alternator DC 12V Alternator model 27.4FS Prime power/speed 132kW Standby power/speed 132kW Standby power/speed 132kW Standby power/speed 150 RPM Connecting Type: 3 Phase and 4 Wires, "' type connecting Rated frequency 30 R Power factor 0.8	Engine Model	1106A-70TAG2	
Vertical in-line	Engine Manufacturer	PERKINS	
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 130KW / 1500rpm Standby Power/speed 14KW / 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 274FS Alternator model 274FS Prime power/speed 132KW Standby power/speed 120KW Efficiency 92,1% Connecting Type: 3 Phase and 4 Wires, "Y" type connecting Rated speed 1500 RPM Rated frequency 50HZ Phase 3 Rated oblage 400V <	Number of Cylinder	6	
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 130KW / 1500rpm Standby Power/speed 14KW / 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 274FS Alternator model 274FS Prime power/speed 120KW Standby power/speed 120KW Efficiency 3 Phase and 4 Wires, "Y" type connecting Rated frequency 50HZ Phase 3 Rated frequency 50HZ Phase 3 Rated voltage 400V <t< td=""><td>Cylinder arrangement</td><td>Vertical in-line</td></t<>	Cylinder arrangement	Vertical in-line	
Bore x Stroke 105 x 135 mm Displacement 7.01L Compression Ratio 160:1 Prime Power/speed 130kW / 1500rpm Standby Power/speed 144KW / 1500rpm Speed governor Electrical Cooling System Forced Water Cooling Cycle Steady speed droop 51% Total lubrication system capacity 13L Coolant capacity 15L Fuel consumption at 100% load 206.9 g/kw, ka 1500RPM) Starter motor DC 12V Alternator DC 12V Alternator Specifications :- GP/STAMFORD/LEROY SOMER 274FS Alternator model 274FS Prime power/speed 132kW Standby power/speed 132kW Standby power/speed 120kW Efficiency 92.1% 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	Cycle	4 stroke	
Displacement	Aspiration	turbocharged, after cooled	
Compression Ratio 16.0:1 Prime Power/speed 130KW / 1500rpm Standby Power/speed 144KW / 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 32KW Alternator model 274FS Prime power/speed 132KW Standby power/speed 120KW Efficiency 92.1% 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%	Bore x Stroke	105 x 135 mm	
Prime Power/speed 130KW / 1500rpm Standby Power/speed 144KW / 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 274FS Prime power/speed 132KW Standby power/speed 120KW Efficiency 92,1% 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	Displacement	7.01L	
Standby Power/speed 144KW / 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 274FS Prime power/speed 132KW Standby power/speed 120KW Efficiency 92.1% Connecting Type: 3 Phase and 4 Wires, "Y" type connecting Rated speed 1500 RPM 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	Compression Ratio	16.0:1	
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 Specifications:-GP/STAMFORD/LEROY SOMER TO 12V Alternator model 274FS Prime power/speed 132KW Standby power/speed 120KW Efficiency 92,1% 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	Prime Power/speed	130KW / 1500rpm	
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 274FS Prime power/speed 132kW Standby power/speed 120kW Efficiency 92,1% 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	Standby Power/speed	144KW / 1500rpm	
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 274FS Prime power/speed 132kW Standby power/speed 120kW Efficiency 92.1% Connecting Type: 3 Phase and 4 Wires, "Y" type connecting Rated speed 1500 RPM Rated speed 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	Speed governor	Electrical	
Total lubrication system capacity	Cooling System	Forced Water Cooling Cycle	
TSL	Steady speed droop	≤1%	
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 274FS Prime power/speed 132KW Standby power/speed 120KW Efficiency 92,1% Connecting Type: 3 Phase and 4 Wires, "Y" type connecting Rated speed 1500 RPM Rated frequency 50HZ Phase 3 Rated voltage 3 Rated voltage 400V Exciter type Self excitation, Brushless Power factor 0,8 Voltage adjust range ≥5% Voltage regulation NL-FL Insulation grade H	Total lubrication system capacity	13L	
Starter motor DC 12V Alternator DC 12V Alternator Specifications: - GP/STAMFORD/LEROY SOMER Alternator model 274FS Prime power/speed 132KW Standby power/speed 120KW Efficiency 92,1% 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	Coolant capacity	15L	
Alternator DC 12V Alternator Specifications: - GP/STAMFORD/LEROY SOMER 274FS Alternator model 274FS Prime power/speed 132kW Standby power/speed 120kW Efficiency 92,1% 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	Fuel consumption at 100% load	206.9 g/Kw.h (at 1500RPM)	
Alternator Specifications :- GP/STAMFORD/LEROY SOMER 274FS Prime power/speed 132KW Standby power/speed 120KW Efficiency 92,1% 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	Starter motor	DC 12V	
Alternator model 274FS Prime power/speed 132KW Standby power/speed 120KW Efficiency 92,1% 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	Alternator	DC 12V	
Prime power/speed 132KW Standby power/speed 120KW Efficiency 92,1% 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	Alternator Specifications :- GP/STAMFORD/LEROY SOMER		
Standby power/speed 120KW Efficiency 92,1% 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	Alternator model	274FS	
Standby power/speed 120KW Efficiency 92,1% 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	Prime power/speed	132KW	
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	Standby power/speed	120KW	
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	Efficiency	92,1%	
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	Connecting Type:	3 Phase and 4 Wires, "Y" type connecting	
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	Rated speed	1500 RPM	
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	Rated frequency	50HZ	
Exciter type Self excitation, Brushless Power factor 0,8 Voltage adjust range ≥5% Voltage regulation NL-FL ≤±1% Insulation grade H	Phase	3	
Exciter type Self excitation, Brushless Power factor 0,8 Voltage adjust range ≥5% Voltage regulation NL-FL ≤±1% Insulation grade H	Rated voltage	400V	
Power factor 0,8 Voltage adjust range ≥5% Voltage regulation NL-FL ≤±1% Insulation grade H	Exciter type	Self excitation, Brushless	
Voltage adjust range ≥5% Voltage regulation NL-FL ≤±1% Insulation grade H	Power factor		
Voltage regulation NL-FL ≤±1% Insulation grade H	Voltage adjust range		
Insulation grade H	<u> </u>		
	Insulation grade		
	Protection grade		

Optional Fuel System • 12 / 24 hour base tank (single wall) • Dual wall base fuel tank

Canopy

- Hired type
- Economy Oil heater

Outside fuel tankAutomatic fuel feedingFuel level indicate

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