

25KVA Perkins Diesel Generator Datasheet

034-2
SEP



(1) Technical specification:

Model	Voltage	HZ	PF (COS Ø)	Standby power	Prime power
WK-P25GF	480V/277V	60HZ	0.8	28KVA	25KVA
	208V/120V		0.8		
	120V/240V		1		

Prime power

This rating is for the supply of continuous electrical power (at variable load). There is no limit on the annual hours of operation and 10% overload power can be supplied for 1 hour in 12.

Standby power

This rating is for the supply of continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted.

General features:

- Every generator set is subjected to a comprehensive test program which includes 50% load, 75% load, 100% load, 110% load and the checking and proving of all control and safety shut-down functions;
- 12V DC start motor;
- Equipped 12V high performance maintenance-free lead-acid starting batteries and connecting with cables;
- Equipped with industrial silencer and flexible exhaust hose;

Diesel Generator Set

- Designed to Comply with ISO8528/GB2820;
- Powered by Perkins engine, Stamford alternator and SmartGen control panel.

Perkins engine technical data

Engine Model	404D-22G/EPA
Engine manufacturer	Perkins
Number of Cylinders	4 cylinders in line
Cycle	4 stroke
Aspiration	Naturally
Bore×Stroke	84mm x100mm
Displacement	2.216L
Compression ratio	23.3:1
Prime Power/Speed	22KW/1800rpm
Standby Power/Speed	24.3KW/1800rpm
Speed Governor	Mechanical
Cooling System	Forced water cooling cycle
Steady speed droop	≤1%
Total lubrication system capacity	10.6L
Coolant capacity	7L
Fuel Consumption at 75% of prime power	240g/kw h
Starter Motor	DC12V
Alternator	DC12V

Stamford alternator technical data

Alternator Model	S0L2-M
Continuous power	25KVA
Frequency/speed	60HZ/1800rpm
Exciter type	Single bearing, Brushless, Self-excited
Power factor	1 or 0.8
Voltage adjust range	≥5%
Voltage regulation NL-FL	≤±1%
Insulation Grade	H
Protection Grade	IP23
Phase	1 or 3

Diesel Generator Set

Deepsea control panel data

Model	DSE7320
The control module gives digital readouts of: Generator voltage; Output frequency; Engine speed; Battery voltage; Engine hours run. The control module has indicators for failure information: Overspeed/underspeed, Emergency stop Low oil pressure; High water temperature Failure to start Battery charger failure Automatic shutdown occurs under: Low engine oil pressure; High engine water temperature; Overspeed/underspeed; Failure to start after three attempts.	 The image shows the DSE7320 control panel, a black rectangular unit with a digital display showing 'Generator Voltage' and '0.0 V'. It features several buttons and indicators, including a red emergency stop button, a green start button, and various status LEDs.

Standard accessories

Standard Accessories	Open type	Silent type
Sound-proof & Weather-proof Canopy	N/A	√
Daily base fuel tank. 8 hours capacity	N/A	√
Single-bearing generator again drops	√	√
Intelligent LED display control panel	√	√
Speed governor	√	√
Electric start and 12v charger	√	√
Standard air filter, oil filter, fuel filter	√	√
Cooling water tank	√	√
High-efficient silencer.	√	√
Exhaust elbow	√	√
Steel base-frame against vibration	√	√
Soft pipe for fuel and handle for lube going-out	√	√
Operation& Maintenance manual.	√	√