

EZ-1385

GENERATING SET (TECHNICAL DATA SHEET)

Standard Specifications:

1 Prime Rating:

Unlimited hours usage, with an average load factor of 80% over each 24 hour period. 10% overload is available for 1 hour in every 12 hours operation.

No overload is permitted on standby power.

2 Standby Rating:

Limited to 500 hours annual usage, with an average load factor of 80% of the published standby power rating over each 24 hour period. Up to 300 hours of annual usage may be run continuously.

No overload is permitted on standby power.

3 Engine:

Perkins, including air filters, fuel filters, oil filter, starting motor and charging alternator etc.

4 Alternator Type:

brushless AC alternator

5 Radiator:

50°C, fan protective shroud

Powered By:

Perkins

Diesel Generator

LEROY-SOMER

mecc alte

STAMFORD
power generation

DSE



Output Rating:

PRIME:

60 Hz—1800 Rpm 480 V, 3ph

1253 kVA

1002.4 kW

STANDBY:

1385 kVA

1108 kW

ENGINE SPECIFICATIONS

Engine Make	PERKINS
Engine Model	4012-46TWG2A
No. of Cylinders	12 60° Vee form
Cycle	4 Stroke
Aspiration	Quad turbocharged, aftercooled
Cooling Method	Water cooled
Governing Type	Electronic
Governing Class	G2-ISO 8528-5
Compression Ratio	13.6:1
Displacement	45.842 Litres
Bore/ Stroke	160x190mm
Dynamic Charging Alternator	55 AMP, 24V

ALTERNATOR SPECIFICATIONS

Alternator Make	Leroy Somer STAMFORD
Alternator Model	LSA50.2M S6L1D-H41
Number of Poles	4
Number of Winding Leads	6
Type of Bearing	Single Bearing
Insulation Class- Temp Rise	Cont.H-125/40C
Ingress Protection Rating	IP23
Excitation System	AREP
AVR Model	D350

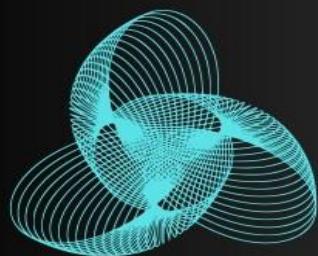
COMPLY WITH STANDARDS

ISO 3046, BS5514, DIN6271, NEMA-MGI, DINEN, BS5000, IEC60034, IEC60947-2

ALTERNATOR OPERATING DATA

Over speed	2250 rpm
Voltage Regulation	±1%
Harmonic Coefficient THF	<2%
Tel. influence TIF	<50
Cooling airflow	1.8m3/ Sec





Standard Specifications:

6- Fuel Tank:

Capacity of fuel tank is for 8 hours running
Builtin fuel tank upto 800kVA

7- Circuit Breaker:

3 pole LS MCCB

8- Control system alarms:

- Over and Under Speed
- Low and High Battery Volt.
- Start and Stop Failure
- Over Current
- Under/Over Generator Voltage
- Low Oil Pressure
- Emergency stop
- High engine temperature

9- Warranty policy:

- EZ POWER products has a warranty for 12 Months or 1000 hours whichever occurs first against any manufacturing defects
- Wearing parts (filters), incorrect man made operation, maintenance failures are excluded from the warranty policy

Control System:

- Large back-lit text display
- Multiple display languages
- DSENET expansion compatible
- Data logging facility
- Fully configurable via PC using USB communication
- Front panel configuration
- Efficient power save mode
- 3 phase generator sensing
- Accumulated power monitoring (kWh, kVAh, kVArh)
- Generator/load current monitoring and protection (kW)
- Breaker control via fascia buttons
- Fuel and start outputs, configurable using can
- 4 configurable DC outputs
- 4 configurable analogue/digital inputs
- Automatically transfers between mains (utility) and generator
- Increased input and output expansion capability via dse net
- IP65 rating (with optional gasket) offers increased resistance to water ingress
- Digital inputs; Analogue Inputs



DSE6110 MKII

AUTO START & AUTO
MAINS FAILURE CONTROL

Dimensions:

Type	Length (mm)	Width (mm)	Height (mm)	Fuel Tank (L)	Weight (KG)
OPEN	5000	2455	2650	-	10777
CLOSED	30 Feet ISO HC Container			NA*	13942

Note: The following dimensions are for preliminary guidance. For more detailed and accurate dimensions, please refer to the General Arrangement Drawing (GAD).



Acoustic Enclosure Specifications:

Enclosure Type	Acoustic & Weather Proof
Drainage Provision	Fuel and Water Drainage
Transportation	Tested Single Point Lifting Facility & Forklift Pockets
Ingress Protection Rating	IP 23
Lifting	ISO Standard Lifting
Canopy RAL Color	TAL 9010
Base frame RAL Color	RAL 9011
Noise Pressure level @ 7m	87 dB(A)±3dB(A)



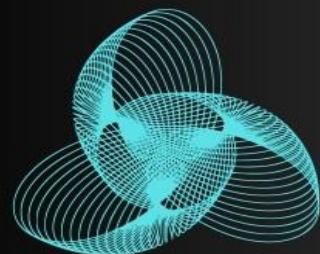
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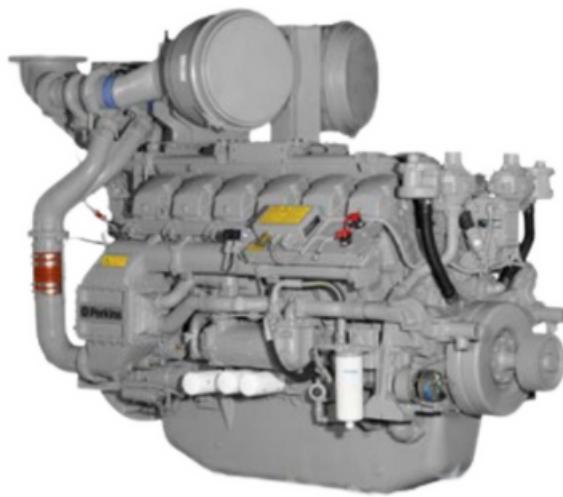


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Engine:



COOLING SYSTEM

Total Coolant Capacity(L)	196L
Cooling Fan Air Flow	1095m ³ / min
Radiator Fan Load	27kW
Heat Radiation to Room (PRP)	80Kw
Heat Radiation to Room(ESP)	100 kW

LUBRICATION SYSTEM

Oil Filter Type	Spin-On Full Flow
Total Oil Capacity	153L
Oil type	API-CH-4 or ACEAES

EXHAUST SYSTEM

Muffler Type	Industrial Grade
Max. BackPressure	8kPa
Exhaust Gas Flow (PRP/ESP)	200 m ³ / min
Exhaust Gas Temperature	≤ 465 0C

FUEL SYSTEM

Recommended Fuel	ClassA2Diesel
Fuel Consumption Standby	298L/hr
Fuel Consumption 100% PRP	266L/hr
Fuel Consumption 75% PRP	209 L/hr
Fuel Consumption 50% PRP	143 L/hr

AIRSYSTEM

AirFilterType	Paper Element
Combustion Air Flow (PRP)	75 m ³ /min
Combustion Air Flow (ESP)	80.5 m ³ /min
Max Air FilterIntake Restriction	3.7 kPa

Optional configurations:

Engine accessories:

- Heavy-duty air filter
- Coolant heater
- Lubricant oil heater
- Fuel and Water Separator
- Lube oil rotary pump

Alternator And Accessories:

- Leroy somer/stamford
- Anti condensation heater
- PMG + AVR ◇ Double bearing
- Alternator High voltage _____ KV
- RTDs for Bearing and winding

Cooling System:

- 55 degree Radiator
- Remote Radiator

Control System:

- AMF
- Parallel
- Practical type in low temperature environment
- Control Screen Heater
- Remote Annunciators
- Other (ComP, DEIF)

Circuit Breaker:

- 3/4 poles
- Fixed/handcart type
- Electric mechanism

Automatic Transfer Switch (ATS):

- ATS cabinet
- Contractor type ATS
- Motorized changeover type ATS

Start Battery:

- Nickel-cadmium battery
- Maintenance-free battery
- Battery charger and selector switch
- Charging current meter

External Fuel Tank:

- Single /double wall fuel tank (500-5000 L)
- Fuel Transfer pump

Exhaust Muffler:

- Residential grade
- Critical grade
- Hospital grade

Available for voltages :

- 400/230V, 480/277V, 380/220V, 440/254V, 416/240V, 220/127V, 208/120V

De-rating may apply.



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