JIMEN POWER

Perkins Diesel Power | Cummins | John Deere | Leroy Somer | mecc alte | DSE

13.1 KVA 3 PHASE 50Hz

15.8 KVA 3 PHASE 60Hz

GENERATING SET MODEL JP-15

Output Ratings	Prime	Standby
380-415 V, 3 ph, 50 Hz, 1500 rpm	13.1 KVA	14.5 KVA
	10 KW	11.6 KW
380-415 V, 3 ph, 60 Hz, 1800 rpm	15.8 KVA	17.5 KVA
	12.6 KW	13.9 KW

ENGINE/ TECHNICAL DATA

Ratings at 0.8 Power Factor

Engine Make	Perkins	
Engine Model	403A-15G1	
Governing Type	Mechanical	
Number of Cylinders	3	
Cylinder Arrangement	Vertical in line	
Bore and Stroke mm	84 X 90	
Displacement/ Cubic Capacity litres	1.496	
Induction System	Naturally Aspirated	
Cycle	4 stroke	
Combustion System	Indirect Injection	
Compression Ratio	22.5:1	
Frequency and Engine Speed	**50Hz & 1500rpm**	**60Hz & 1800rpm**
Gross Engine Power kW(hp)		
Fuel Consumption @50% load L/hr	2.0	2.5
@75% load L/hr	2.8	3.4
@100% load L/hr	3.7	4.4
Total Lubrication System Capacity litres	6.0	6.0
Total Coolant Capacity (inc. radiator) litres	6.0	6.0
Exhaust Temperature: °C	445	490

ALTERNATOR DATA

Make	**UPS/ Leroy Somer**
Model	**UPS164D/LSA (TAL) 40D**
No. of Bearings	1
Insulation class	H
Wires	6/12
Ingress Protection	IP23
Excitation System	Shunt
Winding Pitch	2/3
Overspeed	2250 mn^{-1}
Voltage Regulation (steady)	±1%

CONTROL PANEL

Make	**DeepSea**
Model	4000 Series

The **DSE 4000 *series*** is an Auto Start Control Module for single genset applications. It includes a backlit LCD display which clearly shows the status of the engine all the times. This module can either be programmed using the front panel or by using the DSE configuration suite PC software.

Metering and Alarm Indications:

- Generator frequency
- Underspeed, Overspeed
- Generator volts (L-L-L-N)
- Generator current
- Engine oil pressure
- Engine coolant temperature
- Hours run counter
- Battery volts
- Fail to start/stop
- Emergency stop
- Failed to reach loading voltage/frequency
- Charge fail
- Low DC Voltage
- CAN diagnostics and CAN fail/error

Image is for Illustrative purpose only

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Fax : +971 6 740 8056 Web: www.jimenpower.com

STANDARD SPECIFICATIONS

13.1 KVA 3 PHASE 50Hz

15.8 KVA 3 PHASE 60Hz

1. ENGINE

Perkins four stroke heavy duty high performance industrial type diesel engine.

2. ENGINE FILTRATION SYSTEM

- Cartridge type dry air filter.
- Two cartridge type fuel filter.
- Full flow lube oil filter.
  All filters have replaceable elements.

3. COOLING RADIATOR

Radiator and cooling fan, complete with safety guards designed to cool the engine at high ambient temperatures (consult your dealer for de-ration factors)

4. EXHAUST SYSTEM

Exhaust gas flow	31..3 (m3/min)
Maximum allowable back pressure	18.0 (kPa)

5. CIRCUIT BREAKER TYPE

3 pole MCCB. (4 pole is optional)

6. FUEL SYSTEM

The baseframe design is incorporated with an integral fuel tank with a capacity of approx.. 8 hours running at Full load. The tank is supplied complete with fill cap breather, fuel feed and return lines to the Engine and the drain plug.

7. ALTERNATOR

7.1 INSULATION SYSTEM

- The insulation system is Class H.
- All windings are impregnated in either a triple dip thermoset-Ting liquid, oil and acid resisting polyester varnish or vacuum pressure impregnated with a special polyester resin.
- Heavy coat of antitracking varnish additional protection Against moisture or condensation.

7.2 AUTOMATIC VOLTAGE REGULATOR (AVR)

The fully sealed Automatic Voltage Regulator maintains

The Voltage Regulation at ±1%. Nominal adjustment by means of a trim pot incorporated on the AVR.

8. MOUNTING ARRANGEMENT

8.1 COUPLING
The Engine and Alternator are directly coupled by means of an SAE flange. The Engine flywheel is flexibly coupled to the Alternator rotor.

8.2 ANTI-VIBRATION MOUNTING PADS
Anti-Vibration pads are affixed between tge Engine/Alternator feet and the Baseframe thus ensuring complete vibration isolation of the rotating assembly.

8.3 SAFETY GUARDS
The Fan & Fan Drive along with the battery Charging Alternator are Safety Guard protected for personnel protection.

9. FACTORY TEST

- The Generating set is load tested before dispatch
- All protective devise control functions and site load conditions are simulated. The generator and its systems are checked before dispatch.

10. EQUIPMENT FINISHING

All mild steel components are fully degreased and painted with powder coated paint to ensure maximum scuff resistance and durability.

11. DOCUMENTATION

Operation & Maintenance manual, Circuit wiring diagrams and Commissioning/ Fault Finding instruction leaflets are accompanied with the Generator.

12. QUALITY STANDARDS

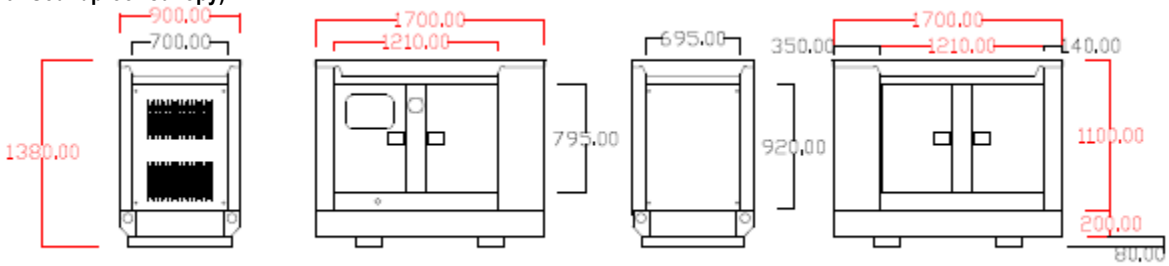
The equipment meets the following standards, BS4999, BS5000, BS5514 IEC 60034, VDE0530, NEMA MG 1.22 and ISO 8528.

13. WARRANTY

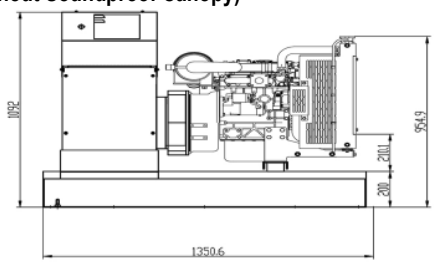
All of the Generating sets are covered under a warranty policy For a period of 12 months or 1000 working hours. Warranty of the equipment is in line with manufacturers warranty terms & conditions. (check warranty statement for more details, as it may vary for different countries.)
In line with the continuous product development, we reserve The right to change specifications without notice.

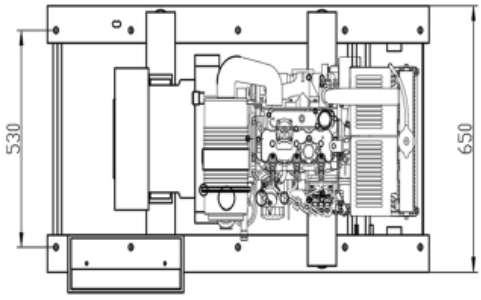
STANDARD GENERATOR DIMENSION AND WEIGHT

Silent Type (with Soundproof Canopy)



Open Type (without Soundproof Canopy)





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