



GENERATOR TECHNICAL DATA

JEG13PS

13 kVA / 11 kW PRIME

Perkins 403D-15G	Leroy Somer LSA42.2S5	Phase Three	Type Enclosed	Model Number JEG13PS
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RATINGS	PRIME POWER (PRP)			STANDBY POWER (ESP)		
	kVA	kWe	Amps	kVA	kWe	Amps
Voltage						
380/220	20	16	30	25	20	38
400/230	20	16	29	25	20	36
415/240	20	16	28	25	20	35
440/254	n/a	n/a	n/a	n/a	n/a	n/a

Power Definition

Prime Power (PRP) is the power continuously available at variable load in lieu of mains power. An overload of 10% is permitted for one hour in every 12 hours of operation.

Standby Power (ESP) is the maximum output available for up to a maximum of 500 hours per year. No overload is permitted.

Standard Conditions: air inlet temperature of 40°C, barometric pressure of 100 kPA (110 m.a.s.l.) relative humidity of 30%.

Note: All ratings data based on operation under ISO 8528-1 and ISO 3046-1. The above ratings may be subject to deration at different ambient temperatures or site altitude conditions.



Scope of Supply

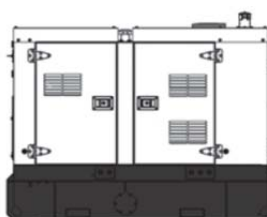
- Water cooled Perkins diesel engine at 1500rpm
- Single bearing Leroy Somer alternator
- Radiator with coolant expansion bottle
- Fully guarded engine-driven fan
- Bunded baseframe fuel tank
- Heavy duty rubber anti-vibration mounts
- 12V starter batteries, tray and connecting cables
- Battery charger and Battery Isolator switch
- Spin on Oil and Fuel filters and dry type Air filter
- Sump Drain Kit
- Automatic Mains Failure controller with protections
- Main line circuit breaker
- Emergency Stop buttons
- Sound attenuated canopy with centre lift / fork slots
- Industrial silencer with rain flap
- Factory Test Certificate and Pre-delivery service
- Operation Manual

Typical Enclosed Generator Sound Pressure Level in Free Field Conditions

dB(A) @ 1m	72	dB(A) @ 7m	60
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Dimensions and Weight

Length	(L)	1800 mm
Width	(W)	850 mm
Height	(H)	1210 mm
Dry Weight		700 kg



All specifications are subject to change without prior notice

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ENGINE & COOLING TECHNICAL DATA PERKINS 403D-15G

	DESCRIPTION	VALUE	UNITS
GENERAL	Engine Speed	1500	rpm
	Number of Cylinders	3	Inline
	Aspiration	Natural	-
	Bore / Stroke	84 / 90	mm
	Displacement	1.5	litres
	Governor	Mechanical	-
FUEL	Fuel Consumption at 110% Power	4	litres/hr
	Fuel Consumption at 100% Power	3.6	litres/hr
	Fuel Consumption at 75% Power	2.8	litres/hr
	Fuel Consumption at 50% Power	2	litres/hr
	Fuel Consumption at 25% Power	N.A.	
	Standard Fuel Tank Capacity	50	litres
AIR	Maximum Air Intake Restriction (Clean Filter)	N.A.	
	Maximum Air Intake Restriction (Contaminated Filter)	N.A.	
	Engine Air Intake Flow	N.A.	
EXHAUST	Exhaust Gas Flow	N.A.	
	Exhaust Gas Temperature	N.A.	
	Maximum Exhaust Back Pressure	N.A.	
	Recommended Exhaust Pipe Diameter	N.A.	
COOLING	Maximum Restriction to Cooling Air Flow	N.A.	
	Maximum Coolant Temperature	N.A.	
	Coolant Flow	N.A.	
	Coolant Capacity	6	litres
	Thermostat Adjusting Temperature Range	N.A.	
OIL	Total Oil Capacity	6	litres
	Typical Oil Pressure at Rated Speed	N.A.	
	Maximum Oil Temperature in Oil Pan	N.A.	
ELEC	Electrical System Voltage	12	V
	Battery Type	SLA	-
	Battery Capacity CCA	312	A

ALTERNATOR TECHNICAL DATA LEROY SOMER LSA42.2S5

	DESCRIPTION	VALUE
GENERAL	Operating Temperature	40 °C
	Coupling	Direct
	Number of Bearings	Single
	Phase / Poles	3 Phase / 4 Pole
	Power Factor	Cos ϕ = 0.8
	Excitation	Self Excited
	Insulation System	Class H
	AVR Type	R250
	Voltage Regulation	± 0.5%

STANDARD CONTROL SYSTEM

DSE 7320 AMF

The DSE7320 is an Auto Mains (Utility) Failure Control Module suitable for a wide variety of generator set applications.

Monitoring an extensive number of engine parameters, the module displays warnings, shutdowns and engine status information on the back-lit LCD screen, illuminated LEDs, remote PC and via SMS text alerts (with external modem).




The DSE7320 can monitor the mains (utility) supply and includes USB, RS232 and RS485 ports as well as dedicated DSENet® terminals for system expansion.

The module is compatible with electronic (CAN) and non-electronic (magnetic pick-up/alternator sensing) engines and offer an extensive number of flexible inputs, outputs and extensive engine protections so the system can be easily adapted to meet the most demanding industry requirements.



The module has an extensive list of features including enhanced event and performance monitoring and remote communications. The module can be easily configured using the DSE Configuration Suite PC software. Selected front panel editing is also available.

OPTIONAL CONTROL SYSTEMS

DSE702	COMAP INTELI GEN COLOUR	DEIF GC-1F
		
The DSE702 is available in Manual and Auto Start versions, offering a range of engine monitoring and protection features. Auto Start versions also include an input option for a start signal from a remote location.	The IntelliGen Colour is a complex Parallel Genset Controller with detachable Colour Display. It can control both single and multiple gensets operating in Standby or Paralleling modes. It can offer Automatic Synchronising and Power Control.	The Deif GC-1F is a microprocessor based control unit containing all necessary functions for protection and control. This unit can be specified in lieu of the DSE 7320 AMF controller if basic or complex customer integration is required.

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