

ULTIMATE POWER SOLUTION (FZC) The world's best dealer on Diesel Power Generation, Control Systems & Power Solution

POWERED BY DOOSAN



LEROY-SOMER UPS



CERTIFIED BY







320 KVA 3 PHASE

GENERATING SET MODEL (UPS D320)			
Output Ratings	Prime	Standby	
380-415 V, 3 ph, 50 Hz, 1500 rpm	320 KVA	355 KVA	
	256 KW	284 KW	
480 V, 3 ph, 60 Hz, 1800 rpm	375 KVA	410 KVA	
	300 KW	328 KW	

ENGINE / TECHNICAL DATA

Exhaust Temperature: °C

Ratings at 0.8 Power Factor

Doo	san	
DP126LA		
Electronic		
6		
Vertical in line		
123 X	155	
11.0	051	
Turbocharged and air to air charge cooled		
4 stroke		
Direct Injection		
17.2:1		
Anti-clockwise, viewed on flywheel		
Water - cooled		
50Hz & 1500rpm	60Hz & 1800rpm	
293(399)	346(470)	
34.3	40.8	
5 <mark>1.1</mark>	60.1	
68.1	80.5	
20	44	
51	51	
	DP12 Electr 6 Vertical 123 X 11. Turbocharged and air 4 str Direct Ir 17.2 Anti-clockwise, vii Water - 50Hz & 1500rpm 293(399) 34.3 51.1 68.1 20	

Image for illustrative purposes only



355 KVA 3 PHASE

ALTERNATOR DATA			
Make	U	UPS/LeroySomer	
Model	UPS314F	UPS314F/LSA (TAL) 046H	
No. of bearin	gs	1	
Insulation cl	ass	Н	
Wires		6/12	
Ingress Prot	ection	IP23	
Excitation Sy	/stem	SHUNT	
Winding Pito	h	2/3	
AVR Model			

Voltage Regulation (steady)

CONTROL PANEL	
Make	Deep Sea
Model	4000 SERIES

The DSE 4000 Series is an Auto Start Control for single genset applications. It includes a LCD display which clearly shows the status of engine all the times. This module can either 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 voltsFail to start/stop
- Emergency stop
- · Failed to reach loading voltage/frequency
- · Charge fail
- Low DC voltage
- · CAN diagnostics and CAN fail/error





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320 KVA

STANDARD SPECIFICATIONS

3 PHASE 50 HZ

60 Hz

355 KVA

3 PHASE

1. ENGINE

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

2. ENGINE FILTRATION SYSTEM

- Cartridge type dry air filter.
- Two Cartridge type fuel filters.
- 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

Maximum allowable back pressure

75.8 m^3/min

5. CIRCUT 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 drain plug.

7. ALTERNATOR

7.1 INSULATION SYSTEM

- The insulation system is Class H.
- All windings are impregnated in either a triple dip thermosetting 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 $\pm\,1\,\%$. 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 the 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 devices control functions and site load conditions are simulated. The generator and it's 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.

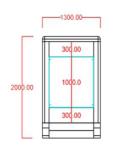
13. WARRANTY

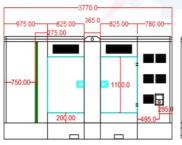
All of the Generating Sets are covered under a warranty policy for a period of 12 months or 1000 working hours, Warranty of the equipment is in line with manufacturers warranty terms & conditions. (check warranty statement for more details, as it may vary for different countries)

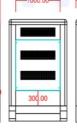
In line with continuous product development, we reserve the right to change specifications without notice.

STANDARD GENERATOR DIMENSION AND WEIGHT

Silent Type (with Soundproof Canopy)



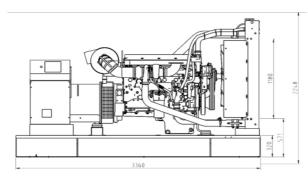


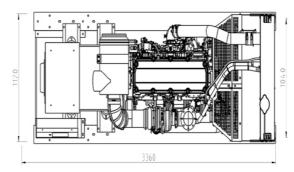




Open Type (without Soundproof Canopy)

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