





LEROY-SOMER UPS

**CERTIFIED BY** 







# **200 KVA** 3 PHASE

# 50 Hz

GENERATING SET MODEL (UPS P 200)				
Output Ratings	Prime	Standby		
380-415 V, 3 ph, 50 Hz, 1500 rpm	203.75 KVA	225KVA		
	163 KW	180 KW		
380-415 V, 3 ph, 50 Hz, 1800 rpm	212.5 KVA	233 KVA		
	170 KW	187 KW		

### **ENGINE / TECHNICAL DATA**

Ratings at 0.8 Power Factor

Engine Make	Cummins	
Engine Model	6CTA8.3-G2	
Governing Type	Electronic	
Number of Cylinders	6	
Cylinder Arrangement	Vertical in line	
Bore and Stroke mm	114 X 135	
Displacement / Cubic Capacity litres	8.3	
Induction System	Turbocharged, air to air charge cooled	
Cycle	4 stroke	
Combustion System	Direct Injection	
Compression Ratio	17.3:1	
Rotation	Anti-clockwise, viewed on flywheel	
Cooling System	Water - cooled	
Frequency and Engine Speed	50Hz & 1500rpm	60Hz & 1800rpm
Gross Engine Power kW (hp)		
Fuel Consumption @ 50% load L/hr	21	25.5
@ 75% load L/hr	31	36.8
@ 100% load L/hr	42	41.3
Total Lubrication System Capacity litres	19.5	19.5
Total Coolant Capacity litres	9.4	9.4
Exhaust Temperature: °C	494	494

# 233 KVA 3 PHASE

4000 SERIES

ALTERNATOR DATA		
Make		UPS / Leroy Somer
Model	UPS27	4H /LSA (TAL) 46.2 M5
No. of bea	rings	1
Insulation	class	Н
Wires		6/12
Ingress P	rotection	IP23
Excitation	System	SHUNT
Winding F	Pitch	2/3

Overspeed	2250 mn <sup>-1</sup>
Voltage Regulation (steady)	± 1%
CONTROL PANEL	
Make	Deep Sea

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 engine all the times. This module can either programmed using the front panel or by using the DSE suite software. configuration PC

### **Metering and Alarm indications:**

Generator frequency

Model

- · 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

Image for illustrative purposes only





E-mail: info@upsgenerator.com P.O.BOX: 122333 F3-18, Sharjah Airport Free Zone (SAIF ZONE) Web.: www.upsgenerator.com

# STANDARD SPECIFICATIONS

233 KVA

# 50 Hz

#### 1. ENGINE

Cummins 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 31.3 (m<sup>3</sup>/min 18.0 (kPa)

#### 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.

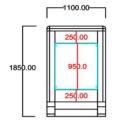
#### 13. WARRANTY

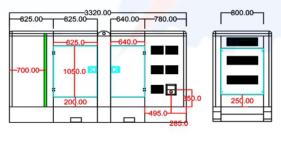
All of the Generating Sets are covered under a warranty policy for a period of 12 months or 1000 working hours, Warranty of the equipment is in line with manufacturers warranty terms & conditions. (check warranty statement for more details, as it may vary for different countries)

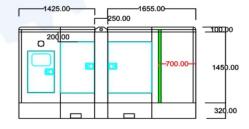
In line with continuous product development, we reserve the right to change specifications without notice.

#### STANDARD GENERATOR DIMENSION AND WEIGHT

# Silent Type (with Soundproof Canopy)



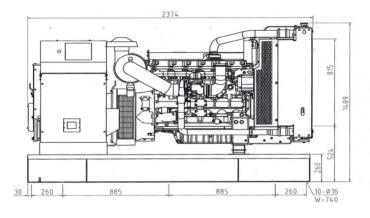


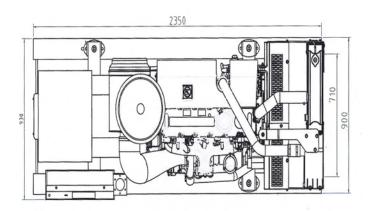


## Open Type (without Soundproof Canopy)

Tel: +971 6 5570722

Fax: +971 6 5570733





P.O.BOX: 122333 F3-18, Sharjah Airport Free Zone (SAIF ZONE) E-mail: info@upsgenerator.com Web.: www.upsgenerator.com