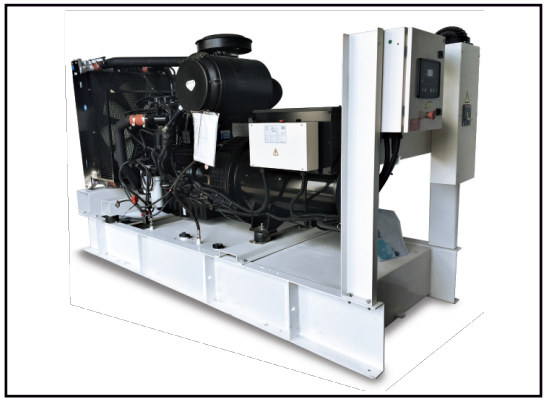
A.R.JUBAILI&CO SARL

jmc GENERATING SETS

J350 KVA Genset



Generating set picture may include optional accessories

Output Ratings

Generating Set Model	Prime	Standby
380-415 V, 3ph, 50 Hz, 1500rpm	350 kVA	400 kVA
	280 KW	320 KW

Rating Defenitions

Prime Power - Model J350

These ratings are applicable for supplying continuous electrical power in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply %10 overload power for 1 hour in 12 hours.

Standby Power - Model J350

These ratings are applicable for supplying continuous electrical power in event of a utility power failur. No overload is permitted on these ratings. The alternator on this model is peak continuous rated.

ALTERNATOR DATA	
Make	Leroy Somer
Model	LSA46.3L11 / TAL046H
No. of bearings	1
Insulation class	H
Total Harmonic Content	at no load <3.5% - on load <5%
Wires	6
Ingress Protection	IP23
Excitation System	SHUNT
Winding Pitch	2/3 (n°6)
AVR Model	R150/R250
Overspeed	2250 mn^{-1}
Voltage Regulation (steady)	± 1%
Short Circuit Capacity	-

AREP & PMG Excitation System Available as Optional.

ENGINE / TECHNICAL DATA		
Engine Make	Perkins	
Engine Model	2206A-E13TAG2	
Governing Type	ISO 8528-5 G2	
Number of Cylinders	6	
Cylinder Arrangement	Vertical in line	
Bore and Stroke mm	130 x 157	
Displacement / Cubic Capacity litres	12.5	
Induction System	Turbocharged, and air to air charge cooled	
Cycle	4 stroke	
Combustion System	Direct Injection	
Compression Ratio	16.3:1	
Rotation	Anti-clockwise, viewed on flywheel	
Cooling System	Water - cooled	
Frequency and Engine Speed	**50Hz & 1500rpm**	
	Prime	**Standby**
Gross Engine Power kW (hp)	324 (434)	368 (493)
Fuel Consumption @ 50% load L/hr	37	-
@ 75% load L/hr	54	-
Fuel Consumption @ 50% load L/hr	71	80
Total Lubrication System Capacity litres	40	40
Total Coolant Capacity (inc. radiator) litres	51.4	51.4
Exhaust Temperature: °C	630	630
Radiator Cooling Air Flow (Min): m3/sec	9.4	9.4
Combustion Air Flow: m3/min	21.3	23.6
Exhaust Gas Flow: m3/min	56.6	64.8
Fuel Tank Capacity: litres	600	600

Note: Output ratings are presented at 25°C air inlet temperature, barometric pressure 100 kPa, relative humidity 30%. This generating set is designed to operate at high ambient temperatures (up to 55°C), humidity (up to 99%) and higher altitudes. De-ration may apply, please consult your dealer for specific site ratings.

Dimensions and Weights

Length cm	Width cm	Height cm	Weight* kg (wet)
320	111	207	3174

Standard Specifications

1. ENGINE

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

2. ENGINE FILTRATION SYSTEM

- Cartridge Type dry air filter.
- Cartridge Type fuel air filter.
- Full flow lube oil filter.

All filters have replaceable elements.

3. COOLING RADIATOR

Radiator and cooling fan, designed to cool the engine at high ambient temperature

4. EXHAUST SYSTEM

Heavy duty Industrial Exhaust Silencer

Silencer noise reduction level	13 (dB)
Maximum allowable back pressure	10.0 (kPa)

5. CIRCUIT BREAKER TYPE

ABB 3 pole MCCB (4 pole is optional)

6. ALTERNATOR

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

6.1 INSULATION SYSTEM

• The insulation system is Class H.

• All windings are impregnated in either triple dip thermosetting liquid, oil and acid resisting polyester vanish or vacuum pressure impregnated with a special polyester resin.

• Heavy coat of antitracking vanish additional protection against moisture or condensation.

6.2 AUTOMATIC VOLTAGE REGULATOR (AVR)

The fully sealed Automatic Voltage Regulator maintains the Voltage Regulation at + - 0.5%. Nominal adjustment by means of a trim pot incorporated on the AVR.

6.3 MOTOR STARTING

An overload capacity equivalent to 300% of the full Load. Impedance at Zero Power Factor can be sustained for 10 seconds, when AREO or PMG option is fitted.

7. MOUNTING ARRANGEMENT

7.1 BASE FRAME

The complete Generating Set is mounted as a whole on a heavy duty fabricated steel Baseframe.

7.2 COUPLING

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

7.3 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.

7.4 SAFETY GUARDS

The fan & fan drive along with the Battery Charging Alternator are Safety Guard protected for personnel protection.

8. FACTORY TESTS

• The Generating set is load tested before dispatch

• All protective devices control functions and site load conditions are simulated. The generator and its systems are checked before dispatch.

9. EQUIPMENT FINISHING

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

10. DOCUMENTATIONS

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

11. QUALITY STANDARDS

The equipment meets the following standards: BS4999, BS5000, BS5514 IEC 60034, VdE0530, NEMA MG 1.22 and ISO 8528.

12. WARRANTY

All of the Generating Sets are covered under a warranty policy for a period of 12 months. Warranty of the equipment is in line with manufacturers warranty terms & conditions.

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

We offer a range of optional features & accessories to tailor our generating sets to meet you power needs.

Generating Set Options

Engine

- Electronic Governor
- Manual Oil Drain Pump
- Coolant Heater and Thermostat
- Exhaust Temperature Monitoring

Alternator

- Alternator Space Heater
- Auxiliary Winding

Cooling system

- Remote Radiator Cooling
- Hot and Fresh Air Ducting

Exhaust Options (open unit)

- Exhaust Silencer – Residential (Noise Attenuation 25 -18 dBA)
- Exhaust Silencer – Critical (Noise Attenuation 34 -25 dBA)

Fuel options

- Fuel Water Separator
- Free Standing fuel tank delivered loose
- Bundled Retention Tank
- Manual and/or automatic fuel pump
- Fuel Tank Level Switch
- High Fuel Level Warning
- Low Fuel Level Warning
- Low fuel Level Shutdown

Electrical System

- Battery Charger 240 V/ 12 V, 10 A
- Analog Metering
- 4 Pole Circuit Breaker
- Battery Isolator Switch
- Automatic Mains Failure Kit
- Manual & Automatic Transfer Switch Panel
- PMG Kit.
- Load Bank

Enclosed unit

- Weather Proof Enclosure
- Sound Proof Enclosure
- Room Insulation
- Sand filters for tropical climate

Voltage Connections

- 440 / 254 V
- 416 / 240 V
- 400 / 230 V
- 380 / 220 V
- 220 / 127 V
- 200 / 115 V
- 190 / 110 V

Genuine spares

For further information on all of the standard and optional features accompanying this product please contact your local dealer or visit www.Jubaili.com

SAI GLOBAL Certified System
ISO 9001

LEROY SOMER®
Powered by:
Perkins®

In line with our policy of continuous product development, we reserve the right to change specification without notice.

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