



GENERATORS

www.vipergen.co.za

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Gauteng
 75 Watt Street
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Model: 100kVA 3 PHASE

POWER DATA

Voltage	Prime Power		Standby Power		Standby AC	No. of Phase
	kva	kw	kva	kw	Amps Per Phase	
220/380V	100.0	80	110	88	167.1	3
230/400V	100.0	80	110	88	158.8	3
240/415V	100.0	80	110	88	153.0	3
254/440V	100.0	80	110	88	144.3	3

ENGINE DATA

Manufacturer	R Series (British Ricardo)	Compression Ratio	16.0:1
Origin	British	Oil Capacity (L)	16.4
Model	R6105ZLDS	Electrical System	24V
Governor Type	Mechanical	Coolant Capacity (L)	27.4
Speed	1500rpm	Fuel Consump. (100%load)(L/HR)	25
Prime Power (kw)	100	Fuel Tank Capacity (L)	280
Standby Power (kw)	110	Cooling	Water Cooled
Cylinder No. & Config.	6 in Line	Aspiration	Turbo

ALTERNATOR DATA

Manufacturer	Stamford	Voltage (V)	220/380
Origin	U.S	Voltage Accuracy	± 1%
Model	WHI274C	Frequency	50Hz
Capacity (kva)	100	Insulation Class	H
Power Factor	0.8	Protection Rate	IP23
Efficiency	89.8%	Excitation System	Brushless, AVR
Bearing Number	Single	Connection Type	Star
Leads Number	12		

OVERALL DIMENSIONS & WEIGHT

Genset Size (mm) (L x W x H)	3000 x 1070 x 1800
Net Weight (kg)	1900



KEY FEATURES

1. Durable British Ricardo Series Engine
2. Single Bearing Marathon Type Alternator
3. ATS & AMF
4. Four Protection Device Equipped
5. Anti-Vibration Mountings
6. Main Line Circuit Breaker
7. Factory Test Certificate
8. Noise Level @7m (db): 90

STANDARD CONTROL SYSTEM

The Standard control system is based on the advanced smartgen HGM6220 Electronic Digital Controller.

This Provides for the manual and automatic remot start of generator with a LCD digital display of:

1. Coolant Temperature
2. Oil Pressure
3. Volts, Amps, Power Factor & Frequency
4. Engine Operation Hours
5. Over Current Protection
6. Under, Over Volt Protection
7. Over Temperature Protection
8. Over Speed, Low Oil Pressure Protection

