



GENERATORS

www.vipergen.co.za

Kwa-Zulu Natal
 134 Shepstone Road
 New Germany, 3610
 Tel: 031-705 4104
 Fax: 031-705 4542

Gauteng
 75 Watt Street
 Meadowdale, 1614
 Tel: 011-974 0400
 Fax: 011-974 0554

Model: 20kVA 3 PHASE

POWER DATA

Voltage	Prime Power		Standby Power		Standby AC Amps Per Phase	No. of Phase
	kva	kw	kva	kw		
220/380V	20.0	16.0	22.0	17.6	33.4	3
230/400V	20.0	16.0	22.0	17.6	31.8	3
240/415V	20.0	16.0	22.0	17.6	30.6	3
254/440V	20.0	16.0	22.0	17.6	28.9	3

ENGINE DATA

Manufacturer	FAW	Compression Ratio	18.0:1
Origin	China	Oil Capacity (L)	8.8
Model	4DW91-29D	Electrical System	12V
Governor Type	Mechanical	Coolant Capacity (L)	18
Speed	1500rpm	Fuel Consump. (100%load)(L/HR)	4
Prime Power (kw)	18.0	Fuel Tank Capacity (L)	156
Standby Power (kw)	20.0	Cooling	Water Cooled
Cylinder No. & Config.	4 in Line	Aspiration	Natural
Bore x Stroke (mm)	90 x 100	Displacement (L)	2.54

ALTERNATOR DATA

Manufacturer	Stamford	Voltage (V)	220/380
Origin	U.S	Voltage Accuracy	± 1%
Model	WHI-184E	Frequency	50Hz
Capacity (kva)	20.0kva	Insulation Class	H
Power Factor	0.8	Protection Rate	IP23
Efficiency	88%	Excitation System	Brushless, AVR
Bearing Number	Single	Connection Type	Star
Leads Number	12		

OVERALL DIMENSIONS & WEIGHT

Genset Size (mm) (L x W x H)	2110 x 860 x 1160
Net Weight (kg)	900



KEY FEATURES

1. Durable FAW Engine
2. Single Bearing Stamford 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): 67

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

