



GENERATORS

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Gauteng
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Model: 20kVA 1 PHASE

POWER DATA

Voltage	Prime Power		Standby Power		Standby AC Amps Per Phase	No. of Phase
	kva	kw	kva	kw		
220V	20.0	16.0	22.0	17.6	80.0	1
230V	20.0	16.0	22.0	17.6	76.5	1
240V	20.0	16.0	22.0	17.6	73.3	1
254V	20.0	16.0	22.0	17.6	69.3	1

ENGINE DATA

Manufacturer	FAW	Compression Ratio	17.0:1
Model	4DW91-29D	Oil Capacity (L)	8
Governor Type	Mechanical	Electrical System	12V
Speed	1500rpm	Coolant Capacity (L)	18
Prime Power (kw)	21.0	Fuel Consump. (100%load)(L/HR)	4
Standby Power (kw)	23.0	Fuel Tank Capacity (L)	120
Cylinder No. & Config.	4 in Line	Cooling	Water Cooled
Bore x Stroke (mm)	90 x 100	Aspiration	Natural
		Displacement (L)	2.54

ALTERNATOR DATA

Manufacturer	LONGEN	Voltage (V)	220
Model	WHI184F	Voltage Accuracy	± 1%
Capacity (kva)	20.0kva	Frequency	50Hz
Power Factor	0.8	Insulation Class	H
Efficiency	78%	Protection Rate	IP23
Bearing Number	Single	Excitation System	Brushless, AVR
Leads Number	12	Connection Type	Star

OVERALL DIMENSIONS & WEIGHT

Genset Size (mm) (L x W x H)	2000 x 850 x 1160
Net Weight (kg)	840



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): 78

STANDARD CONTROL SYSTEM

The Standard control system is based on the advanced smartgen HGM7220 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

