

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	SDEC	Compression Ratio	16.0:1
Model	SC4H140D2	Oil Capacity (L)	13.0
Governor Type	Electronic	Electrical System	24V
Speed	1500rpm	Coolant Capacity (L)	26.5
Prime Power (kw)	95	Fuel Consump. (100%load)(L/HR)	24
Standby Power (kw)	105	Fuel Tank Capacity (L)	250
Cylinder No. & Config.	4 in Line	Cooling	Water Cooled
Displacement	4.3L	Aspiration	Turbo

ALTERNATOR DATA

Manufacturer	LONGEN	Voltage (V)	220/380
Model	WHI274C	Voltage Accuracy	± 1%
Capacity (kva)	100	Frequency	50Hz
Power Factor	0.8	Insulation Class	H
Efficiency	89.8%	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) Net	2800 x 1050 x 1700
Weight (kg)	1660



KEY FEATURES

1. Durable SDEC "H" Series 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): 85

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

