



DIESEL GENERATOR SET

HBF - P45

MODEL	HBF - P45
Standby Power (50HZ)	40KW/50KVA
Prime Power (50HZ)	36KW/45KVA

Standard Features:

- 1.Engine (Perkins 1103A-33TG1) with water heater
- 2.Radiator 50°C max, fans are driven by belt, with safety guard
- 3.24V Charge alternator
- 4.Alternator: single bearing alternator IP23, insulation class H/H
- 5.Absorber
- 6.Dry type air filter, fuel filter, oil filter
- 7.Main line circuit breaker
- 8.Standard control panel DSE7320 with DSE890 for remote communication
- 9.Two 12V batteries, rack and cable
- 10.Ripple flex exhaust pipe, exhaust siphon, flange, muffler
- 11.User manual

**PHOTO FOR REFERENCE ONLY****ENGINE DATA**

Engine Model	1103A-33TG1
Engine Manufacturer	PERKINS
Number of Cylinder	3
Cylinder arrangement	Vertical in-line
Cycle	4 stroke
Aspiration	turbocharged
Bore x Stroke	105 x 127 mm
Displacement	3.3L
Compression Ratio	17.25:1
Prime Power/speed	41.3KW / 1500rpm
Standby Power/speed	45.6KW / 1500rpm
Speed governor	Mechanical
Cooling System	Forced Water Cooling Cycle
Steady speed droop	≤5%
Total lubrication system capacity	7.9L
Total coolant capacity	10.2L
Fuel consumption at 100% load	207.7 g/Kw.h (at 1500RPM)
Starter motor	DC 12V
Alternator	DC 12V

ALTERNATOR DATA

Alternator Model	TAL-A42-F
Rated Output Prime Power	50KVA
Alternator Brand	Leroy Somer
Efficiency	87.10%
Rated speed	1500 RPM
Rated frequency	50HZ
Phase	3
Rated voltage	400V
Exciter type	Self excitation, Brushless
Power factor	0.8
Voltage adjust range	≥5%
Voltage regulation NL-FL	≤±1%

Insulation grade
Protection grade

H
IP23

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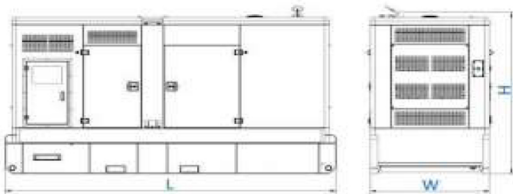
Standard Features:

- | | |
|---|---|
| ◇Standard Auto Control System | ◇MCCB |
| ◇Base Fuel Tank | ◇Oil Drain Valve |
| ◇Starting Batteries(Maintenance-Free & Watering-Free) with connective wires | ◇Exhaust System (including until muffler) |
| | ◇Documents |

Options

- | | | |
|--------------------|----------------------------------|----------------------------|
| ◇Daily Fuel Tank | ◇Permanent Magnet Generator(PMG) | ◇Remote Control Panel |
| ◇Battery Charger | ◇Rainproof Type | ◇Automatic Transfer Switch |
| ◇Engine Heater | ◇Soundproof Type | ◇Switch box |
| ◇Alternator Heater | ◇Trailer Type | ◇Spare Parts |
| ◇Water Separator | | |

Dimension & Weight



Soundproof Type with 2*electric louvers

Overall Size: 2280*1000*1250 mm

Weight: 1000 kg

Bottom Fuel Tank:500L with electric water level indicator

Standard Control Panel



AA Standard Control Panel DSE6120 uses micro processing technique integrating digital, intelligent and network techniques which can carry out functions including auto start/stop, data measure, alarming. The controller uses LCD display, optional Chinese and English display interface with operation easy and reliable. It can be widely used in all types of generator automatic control system for compact structure, advanced circuits, simple connections and high reliability

Sales Promises

HORIZON BF Provides a full line of brand new and high quality products. Each and every unit is strictly factory tested.

Warranty is according to our standard conditions: a, 12 months, counted on the day AA horizon sold to the first buyer; b, One year after installation; c, 1000 running hours (accumulated); subject to the earlier one. Service and parts are available from AA horizon or distributors in your location.