



DIESEL GENERATOR SET

HBF - P100

MODEL	HBF - P80
Standby Power (50HZ)	88KW/110KVA
Prime Power (50HZ)	80KW/100KVA

Standard Features:

- 1.Engine (Perkins 1104C-44TAG2)
- 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
- 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	1104C-44TAG2
Engine Manufacturer	PERKINS
Number of Cylinder	4
Cylinder arrangement	Vertical in-line
Cycle	4 stroke
Aspiration	turbocharged, air-air charge cooled
Bore x Stroke	105 x 127 mm
Displacement	4.41L
Compression Ratio	18.2:1
Prime Power/speed	90.1KW / 1500rpm
Standby Power/speed	99.5KW / 1500rpm
Speed governor	Electronic
Cooling System	Forced Water Cooling Cycle
Steady speed droop	≤1%
Total lubrication system capacity	8.0L
Coolant capacity	12.6L
Fuel consumption at 100% load	205 g/Kw.h (at 1500RPM)
Starter motor	DC 12V
Alternator	DC 12V



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HBF - P100**ALTERNATOR DATA**

Rated Output Prime Power	80KW/100kVA
Alternator	LEROY SOMER/TAL-A44-D
Efficiency	90.40%
Rated speed	1500 RPM

Rated frequency	50HZ
Phase	3
Rated voltage	380V
Exciter type	Self excitation, Brushless
Power factor	0.8
Voltage adjust range	$\geq 5\%$
Voltage regulation NL-FL	$\leq \pm 1\%$
Insulation grade	H
Protection grade	IP23

Optional

Optional Alternator Brand	Stamford	Leroy Somer	Mecc alte
Optional Alternator model	UCI274C	LSA44.2VS45	ECP342S4C
Rated output prime power	80KW	84KW	84KW

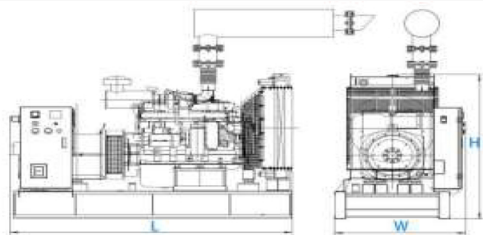
Standard Features:

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

Options

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

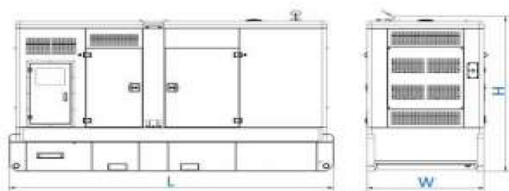
Dimension & Weight



Open Type with Base Fuel Tank

Overall Size: 2070*600*1200 mm

Weight: 1080 kg



Super Silent Type

Overall Size: 3200*1100*1600 mm

Weight: 1561 kg



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Standard Control Panel



AA Standard Control Panel DSE4520 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

DSE

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.