



DIESEL GENERATOR SET

HBF - P80

MODEL	HBF - P80
Standby Power (50HZ)	70KW/88KVA
Prime Power (50HZ)	64KW/80KVA

Standard Features:

- 1.Engine (Perkins 1104A-44TG2)
- 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	1104A-44TG2
Engine Manufacturer	PERKINS
Number of Cylinder	4
Cylinder arrangement	Vertical in-line
Cycle	4 stroke
Aspiration	turbocharged
Bore x Stroke	105 x 127 mm
Displacement	4.4L
Compression Ratio	17.25:1
Prime Power/speed	71.9KW / 1500rpm
Standby Power/speed	79.1KW / 1500rpm
Speed governor	Mechanical
Cooling System	Forced Water Cooling Cycle
Steady speed droop	≤5%
Total lubrication system capacity	8.0L
Total coolant capacity	13.0L
Fuel consumption at 100% load	18.7 L/h (at 1500RPM)
Starter motor	DC 12V
Alternator	DC 12V

ALTERNATOR DATA

Alternator Model	WT-224G
Rated Output Prime Power	68KW/85kVA
Alternator Brand	Leroy Somer
Efficiency	90.20%
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	H
Protection grade	IP23

Optional

Optional Alternator Brand	Stamford	Leroy Somer	Mecc alte
Optional Alternator model	UCI224G	LSA43.2 L8	ECP34-1S
Rated output prime power	68KW	64KW	68KW

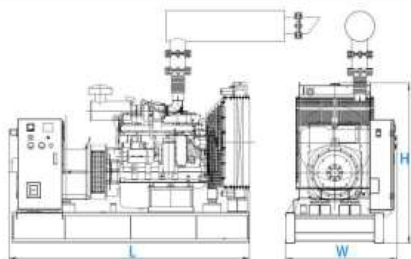
Standard Features:

- ◇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

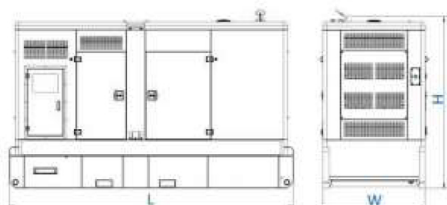


1104A-44TG2/72/79KW+UCI224G/68KW

Open Type with Base Fuel Tank

Overall Size: 2030*600*1200 mm

Weight: 995 kg



Soundproof Type

Overall Size: 2600*1000*1250 mm

Weight: 1357 kg

Standard Control Panel



WT 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

Auto Module Control Panel



Auto Module Control Panel is the configuration for nobody on duty controlling generators. This kind of panel adopts auto module control system, with large LCD display to show the menu. Features: MRS10-can receive remote output signal from ATS and realize auto start and stop of generators. MRS16-can realize all functions of MRS10, add RS232 interface which can communicate with PC to realize remote operation. AMF25-Auto Mains Failure controller, can realize all functions of MRS16, furthermore can detect ATS and control directly

Digital Automatic Parallel Control Module(Panel)



Digital Automatic Parallel Control Module(Panel) is used a automatic parallel system (It can be assembled with ATS cabinet) if client has such request. It can be used both for singly and Parallel. We Parallel generator with such module (panel) when the capability needs to be enlarged in the future.