



DIESEL GENERATOR SET

HBF – P15

MODEL	HBF – P15
Standby Power (50HZ)	13.2KW/16.5KVA
Prime Power (50HZ)	12KW/15KVA

Standard Features:

- 1.Engine (PERKINS 403A-15G2)
- 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	403A-15G2
Engine Manufacturer	PERKINS
Number of Cylinder	3
Cylinder arrangement	Vertical in-line
Cycle	4 stroke
Aspiration	naturally aspirated
Bore x Stroke	84 x 90 mm
Displacement	1.496L
Compression Ratio	22.5:1
Prime Power/speed	13KW / 1500rpm
Standby Power/speed	15KW / 1500rpm
Speed governor	Mechanical
Cooling System	Forced Water Cooling Cycle
Steady speed droop	≤5%
Total lubrication system capacity	6.0L
Total coolant capacity	6.0L
Fuel consumption at 100% load	250 g/Kw.h (at 1500RPM)
Starter motor	DC 12V
Alternator	DC 12V

DIESEL GENERATOR SET

ALTERNATOR DATA

Alternator Model	WT-164D
Rated Output Prime Power	12KW/15KVA
Alternator Brand	LEROY SOMER
Efficiency	79.60%
Rated speed	1500 RPM

Rated frequency	50HZ
Number of Phase	3
Rated voltage	400V
Exciter Type	Brushless, self-exciting
Connecting Type	3 Phase and 4 Wires, "Y" type connecting
Number of Bearing	1
Power Factor	0.8
Voltage adjust range	$\geq 5\%$
Voltage Regulation, Steady State	$\leq \pm 1\%$
Insulation grade	H
Protection Grade	IP23
Altitude	$\leq 1000\text{m}$
Telephone Influence Factor (TIF)	< 50
THF	$< 2\%$

Optional

Optional Alternator Brand	Stamford	Leroy Somer	Mecc alte
Optional Alternator model	PI044G	LSA40S3	ECP28-SN
Rated output prime power	12KW	12KW	13.6KW

Standard Features:

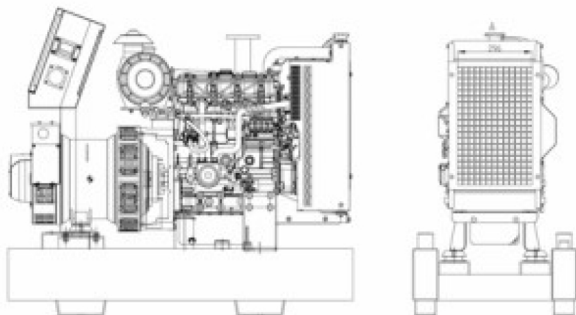
◇Standard Auto Control System	◇MCCB
◇Base Fuel Tank	◇Oil Drain Valve
◇Starting Batteries(Maintenance-Free & Watering-Free) with connective wires	◇Exhaust System (including until muffler) ◇Documents

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

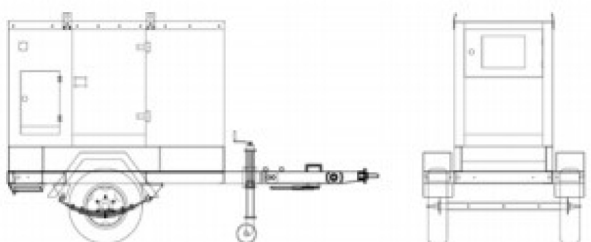
机组配置: 403A-15G2/13/15KW+PI044G/12KW



Open Type with Base Fuel Tank

Overall Size: 1500*550*1100 mm

Weight: 400kg



Soundproof Type

Overall Size: 2000*950*1250 mm

Weight: 720 kg

Trailer Type

Overall Size: 2300*1490*1950 mm

Weight: 1350 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.