

STANDARD SPECIFICATION

General features:

- Composed of Lister Petter diesel engine and Stamford alternator
- 12V DC start motor and storage battery
- Brushless, Self-excited, IP23, insulation class H alternator
- 52°C radiator as standard
- Key start panel control system as standard, digital auto-start panel is optional
- 8-hour operation base tank
- Optional open type or silent type
- All generating sets are gone through rigorous testing before being released to the market place, including 50% load, 75% load, 100% load , 110% load and all protection function (overspeed stop, high water temperature, low oil pressure, battery charging fail, emergency stop)



Genset Main Technical Data

3-PH, 50Hz@1500RPM, 400/230V (Also Can Be Made According To Customers' Special Requirements)

Genset Model	Genset Specification					Engine Specification				Alternator Model
	kVA		Cons. 100% (L/H)	dB(A) @7m	Tank (L)	Model	Cyl.	Gov.	Asp.	
	ESP	PRP								
LP20	20.8	18.8	3.8	N/A	60	LPW4	4	M	N/A	BCI 164D

Reliable Performance

Voltage regulation

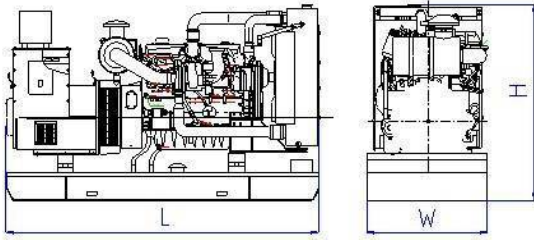
Voltage regulation maintained within $\pm 0.5\%$ as follow:

- Power factor Between 0.8~1.0 lag
- From no load to full load, any steady load
- Speed droop variation under 5%

Frequency/Speed undulation

- Change load from 0-100%, Frequency/Speed Droop Ratio within 5%
- Load from 25-100%, any steady load Frequency/Speed undulation within 0.25%

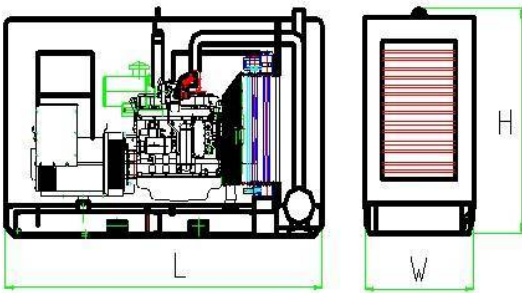
Dimension and Weight



Open Type

Overall size (L*W*H)
1400x500x900

Weight: 510kg



Silent Type

Overall size (L*W*H)
1900x700x1100

Weight: 700kg

ENGINE SPECIFICATION

Lister Petter Diesel Engine

Technical Data

Engine Model	LPW4
Emissions statement	EU STAGE 3A
Number of Cylinders	4
Cylinder arrangement	Vertical in-line
Cycle	4 stroke
Aspiration	Natural Aspiration
BorexStroke (mmxmm)	86x 80
Displacement (Liter)	1.86
Compression Ratio	18.5:1
Prime Power/Speed (kW/rpm)	15/1500
Standby Power/Speed (kW/rpm)	16.5/1500
Speed Governor	Mechanical
Cooling System	Water-cooled
Fuel Consumption at 100% Load (g/kWh)	215 (at 1500RPM)
Starter Motor	12 V
Alternator	12 V