



## Group Properties

### Output Values

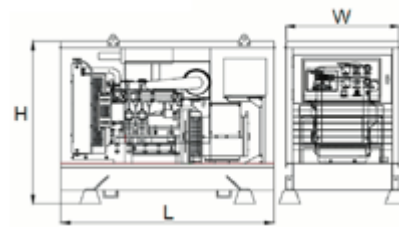
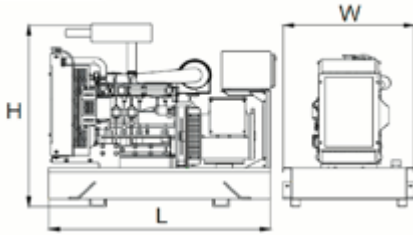
STAND BY POWER (ESP) / 3 Phase, 50 Hz, CosΦ 0,8				PRIME POWER (PRP) / 3 Phase, 50 Hz, CosΦ 0,8			
Voltage	kVA	kW	AMPER	Voltage	kVA	kW	AMPER
231 / 400 V	44	35	63.5	231 / 400 V	40	32	58

**Stand By Power** : Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

**Prime Power** : Supplying of electrical power at variable load for an unlimited number of hours in the event of normal utility power failure. 10% over load capability is available.

### Dimensions and Weight

GROUP WITHOUT CANOPY					GROUP WITH CANOPY				
Width	Length	Height	Weight	Fuel Tank Capacity	Width	Length	Height	Weight	Fuel Tank Capacity
1000 mm	2000 mm	1700 mm	750 kg	176 lt	1000 mm	2400 mm	1800 mm	1000 kg	176 lt



### Standard Features

- ★ 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine
- ★ Protection system on manual run
- ★ Flexible oil pipes and oil draining valve
- ★ Pre-heater
- ★ Lubrication oil and anti-freeze
- ★ 4 Poles, synchrontype, single bearing, brushless alternator
- ★ Batteries and cables
- ★ Electrostatic paint coated, steel, welded chassis
- ★ Fuel tank housed in the chassis
- ★ Industrial type silencer
- ★ Electronic battery charger
- ★ Electrical wiring diagram
- ★ User manual and operating manual

### Optional Equipments

- ★ Soundproof canopy
- ★ Automatic transfer switch
- ★ Circuit breaker
- ★ Trailer
- ★ External fuel tank
- ★ Electronic governor
- ★ Heating system for fuel tank
- ★ Oil heater
- ★ Fuel filling system ( Automatic / Manuel )
- ★ Analog indicators
- ★ 1 Phase - 3 Phase switch plugs
- ★ Alarm system for fuel level
- ★ Remote control and monitoring

## Diesel Engine

Brand		HF RICARDO		
Model		K 4102D1-1		
Maximum Total Output Power	kWm / hp	36,5-49		
Cylinder Displacement	lt	3.61		
Cylinder Orientation		4 SINGLE LINE		
Bore x Stroke	mm x mm	102*115		
Compression Ratio		17:00		
Governor Type		MECHANIC		
Rotation		1.500 rpm		
Aspiration System		TURBO CHARGE		
Injection		DIRECT		
Cooling System		WATER COOLED		
Electrical System	V DC	12		
Oil Capacity	lt	14		
Engine Coolant Capacity	lt	17		
Fuel Consumption	Load	50%	75%	100%
	lt / h	5.8	9.2	12

- ★ Replacable cylinder jacket
- ★ Dry type replacable oil filter
- ★ Heat-resistant radiator for 50 °C

## Alternator

Standby Power	kVa / kw	44/35
Prime Power	kVa / kw	40/32
Brand		LISITE
Output Voltage	V	231 / 400 V
Frequency	Hz	50
Stationary Voltage Regulation	±	1 %
Short Circuit Current		300% (10 SEC)
Insulation		H
Protection		IP 23
Efficiency	%	86,6
Overloading		110 % FOR 1 HOUR
Power Factor	cos Q=0,8	0.8
Total Harmonic Distortion Rate		<3%
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

- ★ 4 Poles, Self-Excitation, Brushless, Synchronotype alternator
- ★ Electronic type automatic voltage regulator (AVR)
- ★ Self-Cooled