

# EY100

100 kVA, Silent Type, LR4N5LP-D, WHI 274C



## Standards & Conditions

### Design Standards

- The designs and the productions are in conformity with:
- Conformance Européenne (CE)
- China Compulsory Certification (CCC)
- ISO8528-5:2005
- GB/T2820.5-2009

### Environmental Operating Conditions

- Installation place: Outdoors or indoors (well ventilated).
- Ambient temperature:-25°C to 45°C
- Humidity: less than 80%.
- Altitude: Below one thousand (1000) meters.

### Factory Inspection

- Inspection items.
- Protection devices working test.
- Starting ability in normal temperature.
- 50% rated power load moment capability.
- Voltage deviation and speed variation:0%,25%,50%,75%,100%,110% Load.

### Painting process

- Painting process by powder coating,specification and colours are based on the manufacturer standard.
- The customer could also choose the colour which the manufacturer offers.



### GENERATOR SET

Model No.	EY100
Standby power	110KVA/88kw
Rated power	100KVA/80kw
Output voltage	230/400
Rated speed (r/min.)	1500
Noise level ( 7m )	75dB
Power factor	COSΦ=0.8 lagging
Phase/wires	3 phase 4 wires
Start mode	Electric
Fuel consumption	17L/h (average)
Rated current(amps)	144
Protection	Low oil-pressure, High water temperature, Over-speed, Over-current.

### ALTERNATOR

Brand	WATTEK
Model	WHI 274C
Protection	IP23
Frequency fluctuation	≤±0.5 %
Voltage distortion	< 4%
Power	100KVA(80KW)
Original	China
Rated voltage	400/230 V
Frequency regulation	≤±0.5 % ( stable )
Voltage control	AVR

### ENGINE

Brand	YTO (FG Willsion OEM engine)
Model	LR4N5LP-D
Original:	China
Cylinders	4
Fuel	0# light diesel
Inter-Cooling	water inter-cooling
Compression Ratio	17:1
Engine Power (prime/standby)	95KW/105KW
Aspiration	Turbocharged
Governor/Class	Mech
Bore and stroke	112×135 mm
Start mode	DC24V electric start
Cylinders Layout	In Line
Displacement	5.32 L

Specification may change without prior notice.

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## Technical parameters of Control Panel:

<b>Brand</b>	Smartgen	<b>Model</b>	7110
<b>Function:</b>	<ul style="list-style-type: none"> <li>• Start or Stop Generator set manually / automatically</li> <li>• High Coolant temperature protection</li> <li>• Low Oil pressure protection</li> <li>• Over load protection</li> <li>• Generator over/under frequency protection</li> <li>• Over speed protection</li> </ul>		



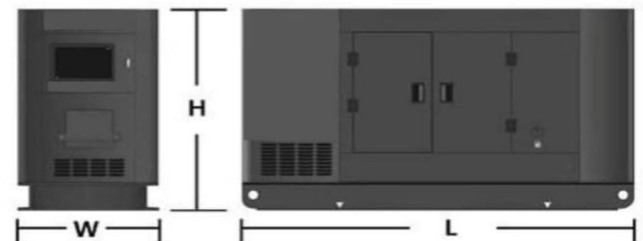
Note : Indicate this function depend on the set points of the controller in field.

## Optional accessories

Engine	• Heater • Battery Charger
Alternator	• Permanent Magnet Generator (PMG)
Control system	• Remote Control Panel • Auto Transfer Switch (ATS) • Paralleling System
Fuel system	• Daily Fuel Tank • Water Separator • Fuel Level Sensor
Others	• Rainproof Type • Soundproof Type • Trailer Type • Extra spare Parts

## Dimensions and Weights

Model	L x W x H mm	Weight kg
EY100	2900 x 1150 x 1530	1700



### Remark:

**Prime Power (PRP):** Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820 97(EQV ISO8528); a 10% overload capability is available for a period of 1 hour within a 12-hour period of operation.

**Standby Power Rating (ESP):** The standby power rating is applicable for supplying emergency power for the duration of a utility power interruption. No overload, utility parallel or negotiated outage operation capability is available at this rating.

**Warranty:** We provides a full line of brand new and high quality products. Each Genset is strictly factory tested before delivery. We offer client warranty of 12 months or 1,000 running hours warranty which comes first (longer warranty period can be offered with extra charge)

### SOLE AGENT :

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