

# EY30

30 kVA, Silent Type, YT3B2-D, WHI 184G



## 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.	EY30
Standby power	33KVA/26.4KW
Rated power	30KVA/24KW
Output voltage	230v/400v
Frequency	50 Hz
Noise level ( 7m )	60dB(A)
Power factor	COSΦ=0.8 ( lagging )
Phase/wires	3 phase 4 wires
Start mode	Battery
Fuel consumption	7L/h (100%Load)
Ambient temperature	-25 C to 50 C. The coolant heater is needed when the temperature is below 5 C
Humidity	Less than 80%
Altitude	Below one thousand (1000) meters
Protection	Low oil-pressure, High water temperature, Over-speed, Over-current.

### ENGINE

Brand	YTO Yandong
Model	YT3B2-D
Cylinders	2
Cycle	4 stroke
Fuel	0# light diesel
Compression ratio	17.5:1
Stand Power	33 kw
Prime Power	30 kw
Intake system	Turbocharged
Governor/Class	Mech
Start mode	DC24V electric start
Cooling system	Water cooled (by radiator)
Cylinders Layout	Line
Displacement	3.3L
Rated speed (r/min.)	1500

### ALTERNATOR

Brand	Wattek
Model	WHI-184-G
Frequency	50Hz
Phase	3 phase
windings	100% copper
Exciter	Brushless
Terminals	6 or 12
Insulation class	H
Altitude	≤1000m
Overspeed	2250rpm
Protection	IP23
Air Flow	0.15m <sup>3</sup> /s
Frequency fluctuation	≤±0.5 %
Voltage regulation	±0.5%
Voltage distortion	<4%
Total harmonic TGH/THC	<4%
Telephone Interference	THF<2%;TIF<50
Prime Power	25kw/31.3kva
Original	China
Rated voltage	230/400
Frequency regulation	≤±0.5 % (stable)
Voltage control	AVR

Specification may change without prior notice.

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## Technical parameters of Control Panel:

<b>Brand</b>	Deep Sea	<b>Model</b>	DSE6020
<b>Function:</b>	<ul style="list-style-type: none"> <li>• Start or Stop Generator set manually / automatically</li> <li>• Open controller output can be defined as Pre-heat/Idle output</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>• Generator over/under/unbalance voltage Protection</li> <li>• Over speed protection</li> <li>• AMF</li> </ul>		



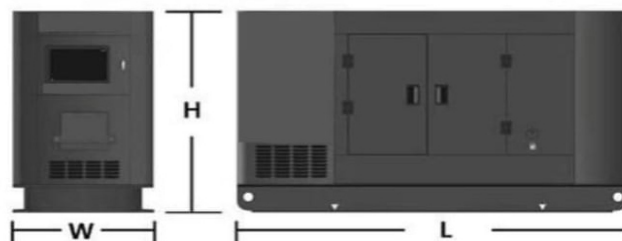
Note : Indicate this function depend on the set points of the controller in field.

## 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
EY30	2300 x 1000 x 1340	1050



### 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 :

#### PT. SURYA PUTRA MESINDO

Tel : (+6221) 55959133 (Hunting)  
 Fax : (+6221) 55959132  
 E-mail : suryaputra@indo.net.id  
 Address : Jl. Kamal Raya Outer Ringroad, Taman Palem Lestari, Ruko Galaxy  
 Blok N No. 19 (17,18,19) Cengkareng - Jakarta Barat 11730