

EY50

50 kVA, Silent Type, Y4102ZLD, WHI 184H



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.	EY50M5
Standby power	55KVA/44KW
Rated power	50KVA/40KW
Output voltage	230v/400v
Frequency	50 Hz
Noise level (7m)	98dB(A)
Power factor	COSΦ=0.8 (lagging)
Phase/wires	3 phase 4 wires
Start mode	Battery
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	Y4102ZLD
Cylinders	4
Cycle	4 stroke
Fuel	0# light diesel
Compression ratio	18:1
Stand Power	48 kw
Prime Power	44 kw
Intake system	Turbocharged
Governor/Class	Mech
Start mode	DC24V electric start
Cooling system	Water cooled (by radiator)
Cylinders Layout	Line
Displacement	3.9L
Rated speed (r/min.)	1500

ALTERNATOR

Brand	Wattek
Model	WHI 224D
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 ³ /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	40kw/50kva
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:

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



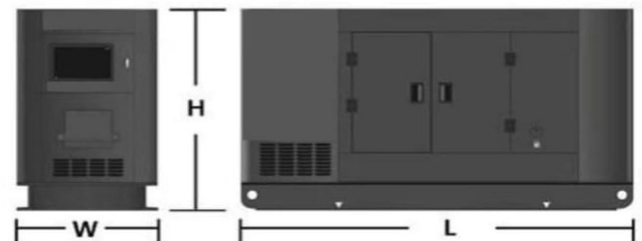
Note : Indicate this function depend on the set points of the controller in field.

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
EY50	2500 x 1000 x 1550	1100



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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