

# EF30

30 kVA, Silent Type, 4DW93-42D, 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

Genset Model	EF30
Standby power	33KVA/26kw
Rated power	30KVA/24kw
Output voltage	230/400
Rated speed (r/min.)	1500
Noise level (1m)	Less than 65 Dba
Power factor	COSΦ=0.8 ( lagging )
Phase/wires	3 phase 4 wires
Start mode	Electric
Fuel consumption (g/kWh)	216
Rated current(amps)	43.3A
Protection	Low oil-pressure, High water temperature, Over-speed, Over-current.

### ALTERNATOR

Brand	WATTEK
Model	WHI 184G
Protection	IP23
Frequency fluctuation	≤±0.5 %
Voltage distortion	< 4%
Power	30KVA(24KW)
Original	China
Rated voltage	400/230 V
Frequency regulation	≤±0.5 % ( stable )
Voltage control	AVR
Exciter	Brushless
Cooling Fan	Cast alloy aluminium
Windings	100% copper
Altitude	≤ 1000m
Air Flow	0.15m <sup>3</sup> /s
Telephone interference	THF<2%;TIF<50

### ENGINE

Brand	FAWDE
Model	4DW93-42D
Cylinders	4
Fuel	0# light diesel
Inter-Cooling	Inter cool
Engine Power	31KW
Aspiration	turbocharged
Governor/Class	Mach
Bore and stroke	90×100mm
Start mode	DC24V electric start
Cylinders Layout	Line
Displacement	2.54L
Rated speed (r/min.)	1500
Dimensions LxWxH	750 x600 x 735mm
Dry weigh(approx.)	240kg
Compression Ratio	17:1
Type of Injection	Direct injection
Intake System	Water cooled
Fan	Pusher
Battery Voltage	12v
Oil Capacity	8L
Type of Coolant	Clycol mixture
Coolant Capacity	10.2L
Back Pressure	≤8kPa

Specification may change without prior notice.

Technical parameters of **Control Panel:**

<b>Brand</b>	Smartgen	<b>Model</b>	6110
<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>		



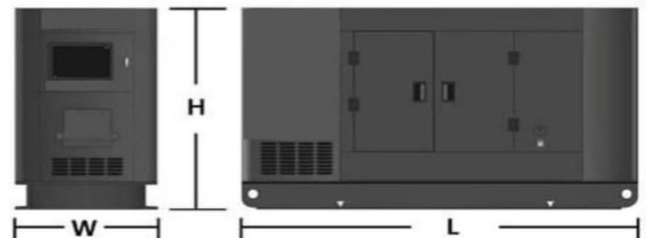
Note: Indicate this function depend on the set points of the controller in field.

**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
EF30	2200 x 850 x 1150	850



**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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