

EF50

50 kVA, Silent Type, 4DX23-65D, WHI 224D



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	EF50
Standby power	55KVA/44kw
Rated power	50KVA/40kw
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)	215
Rated current(amps)	72A
Protection	Low oil-pressure, High water temperature, Over-speed, Over-current.

ALTERNATOR

Brand	WATTEK
Model	WHI 224D
Protection	IP23
Frequency fluctuation	≤±0.5 %
Voltage distortion	<4%
Power	50KVA(40KW)
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 ³ /s
Telephone interference	THF<2%;TIF<50

ENGINE	
Brand	FAWDE
Model	4DX23-65D
Cylinders	4
Fuel	0# light diesel
Inter-Cooling	Inter cool
Engine Power	48KW
Aspiration	turbocharged
Governor/Class	Mach
Bore and stroke	102×118mm
Start mode	DC24V electric start
Cylinders Layout	Line
Displacement	3.86L
Rated speed (r/min.)	1500
Dimensions LxWxH	810 x700 x 850mm
Dry weigh(approx.)	380kg
Compression Ratio	17:1
Type of Injection	Direct injection
Intake System	Water cooled
Fan	Pusher
Battery Voltage	12v
Oil Capacity	13L
Type of Coolant	Clycol mixture
Coolant Capacity	10.2L
Back Pressure	≤8kPa

Specification may change without prior notice.

EF50

50 kVA, Silent Type, 4DX23-65D, WHI 224D



Technical parameters of Control Panel:

Brand	Smartgen	Model	6110
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 		



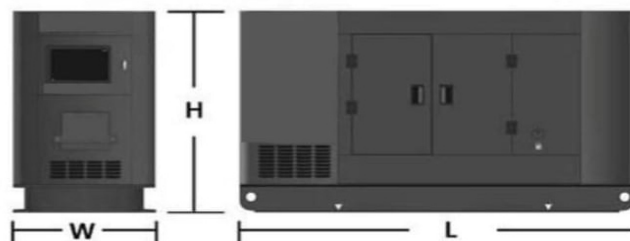
Note: Indicate this function depend on the set points of the controller in field.

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
EF50 ^e	2200 x 850 x 1250	900



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