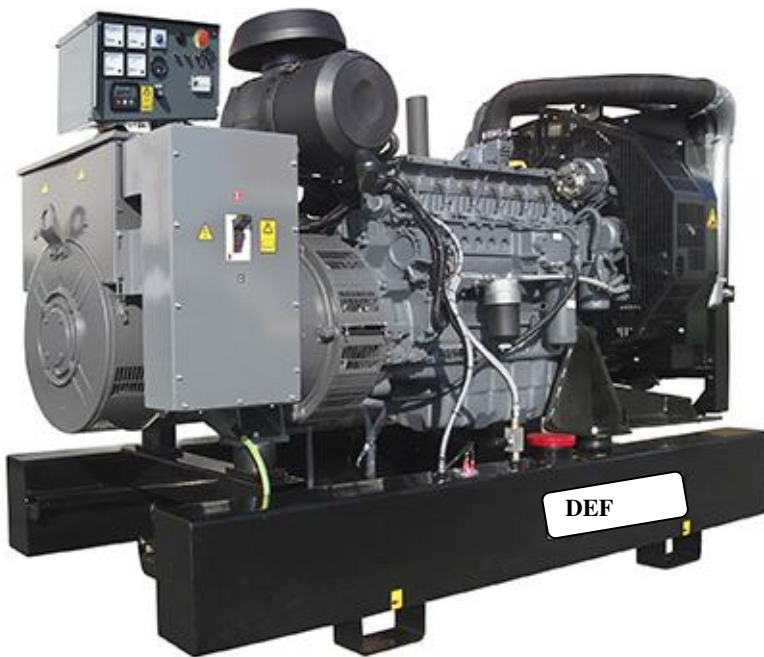




## PACKAGE GENERATOR SET

**DEUTZ MODEL BF4M 1013 FC**

Power rating		Voltage
<b>PRIME</b> 104KW/130KVA	<b>STANDBY</b> 112KW/140KVA	400/230V



**Powered by  
Deutz (Dalian)Engine  
BF4M1013FC**

**Generating Set**

## STANDARD SPECIFICATION

### General features:

- Composed of Deutz diesel engine and Meccalte or Stamford alternator
- 12/24V DC start motor and storage battery
- Brushless, Self-excited, IP23, insulation class H alternator
- 40°C radiator as standard, 50°C is optional
- Key start panel control system as standard, with digital auto-start panel
- Optional open type or silent type
- All generator sets are gone through rigorous testing before being released to the market place, including 50% load, 75% load, 100% load, 110% load and all protection function (overspeed stop, high water temperature, low oil pressure, battery charging fail, emergency stop)



### Genset Main Technical Data

3-PH, 50Hz@1500RPM, 400/230V (Also Can Be Made According To Customers' Special Requirements)

#### DIESEL GENERATOR SET

Motor DEUTZ BF4M1013FC

Alternator MECC-ALTE ECP 34-1L/4

#### Speed Control type electronic

Phase Three

Fuel Tank Capacity 250 L

System Voltage 400V

Frequency 50HZ

Air Flow 9000m<sup>3</sup>/h

Combustion air flow 482 m<sup>3</sup>/h

**Specifications may change without Notice**

Exhaust air flow 1389 m<sup>3</sup>/h

Exhaust Temperature 530 °C

**ENGINE**

Maximum output(kw) 124KWm(50Hz) PRIME output 112KWm

Number of Cylinders inline 4 Aspiration Turbo charged, CAC

Cycle 4

Fuel Type Diesel

Combustion Type Direct Injection

Cooling Type Water cooled

Bore 108mm

Stroke 130mm

Displacement 4.76L

Compression Ratio 18.1:1 Lubrication Capacity 20 liter

Coolant Capacity 9.8 liter

**Alternator**

Insulation Class "H" Excitation Type Self-excitation or PMG

Protection class IP23

- 1) LTP=Standby power standby duty, operation under variable load, without overload
- 2) PRP=Prime power continuous duty operation, under variable load, 10% overload permissible 1/12hr
- 3) E=Electronic speed governor; M=Mechanical speed governor
- 4) Asp=Aspiration; NA=Naturally Asp; TC=Turbocharged;  
TW=Turbocharged after water-cooled; TCA= Turbocharged air-air after cooled
- 5) Technical data is subject to work test conditions

**Specifications may change without Notice**

## Reliable Performance

### Voltage regulation

Voltage regulation maintained within  $\pm 0.5\%$  as follow:

- Power factor Between 0.8~1.0 lag
- From no load to full load, any steady load
- Speed droop variation under 4.5%

### Frequency/Speed undulation

- Change load from 0-100%, Frequency/Speed Droop Ratio within 5%.
- Load from 25-100%, any steady load Frequency/Speed undulation within 0.25%

### Effect factor of telecom

- TIF( MA MG1-22) better than 50
- THF( BS EN60034) better than 2%

## Fuel consumption

FUEL CONSUMPTION 1500 RPM

100% Prime Power	32.30 l/hr
75% Prime Power	23.50 l/hr
50% Prime Power	17,70 l/hr

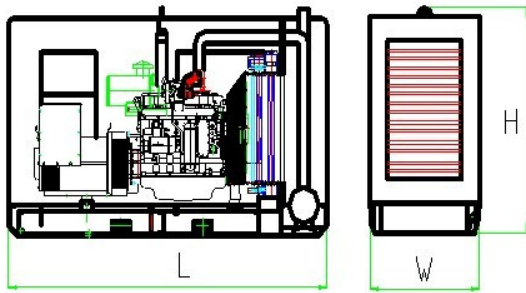
## Criterion

- Engine ISO 3046, BS 5514, DIN 6271
  - Alternator UTE NFC 51-111-105-110
- ICE34-1, BS 5000-4999; NEMA MG 21, VDE 0530; Generator Set ISO 8528
- ISO8528, GB/T2820
  - EN12601:2001, EN60034-22:1997, EN60204-1:2006

**Specifications may change without Notice**

## Dimension and Weight

### Silent Type

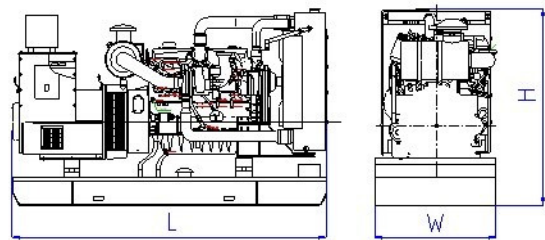


Overall size ( L\*W\*H)

2500mm ×11100mm ×1700mm

Net Weight: 2500kg

### Open Type



Overall size ( L\*W\*H)

19300mm ×800mm ×1500mm

Net Weight: 1700kg

Specifications may change without Notice