



E40.47AMF GENERATING SET



Performance

| Engine speed rev/min | Type of operation | Output rating kVA |
|-------------------------|-------------------|----------------------|
| 1500 (50 HZ) | Prime power | 42.5 |
| | Standby power | 46.8 |



Motorsazan company is certified by TUV NORD for conformity with ISO /TS/16949, ISO 9001, ISO18001, ISO 14001 standards

All ratings based on operating under ISO 3046 condition using typical fan sizes and drive ratios. For operation outside of these condition please consult with Motorsazan company. Performance tolerance quoted by Motorsazan is $\pm 5\%$.

Electrical ratings assume a power factor of 0.8 and a generator efficiency of 90%.

Fuel specification: BS2869 Part 2 1998 Class A2 or ASTM D975 D2.

Rating Definitions:

Prime power: Power available at variable load in lieu of main power network. An overload of 10% is permitted for one hour in every twelve hours of operation.

Standby power: Power available at variable load in the event of a main power network failure. No overload is permitted.

Standard Specifications

Engine:

Make: Motorsazan
Model: 4.248 G
Air filter: Mounted air filter
Fuel system: Rotary fuel injection pump, mechanical governing, single cartridge fuel filter and prefilter
Lubrication system: Gray cast iron oil-sump with filler and dipstick, spin-on full-flow oil filter
Cooling system: Belt driven circulating pump, 17" metal pusher type fan, mounted radiator and pipework
Number of cylinders: 4
Cylinder arrangement: Vertical, in line
Cycle: 4 stroke
Induction system: Naturally aspirated
Cubic capacity: 4.07 litres (248 cu-in)
Bore: 101 mm (3.975 in)
Stroke: 127 mm (5in)
Compression ratio: 16:1
Direction of rotation: Clockwise viewed from front
Firing order: 1,3,4,2
Total lubrication system capacity: 7.5 litres
Coolant capacity (including radiator): 16 liters

Alternator:

Make: Newage International Limited-England
Model: Stamford UC DI224C1
Specification: Single bearing, 4 poles, 3 phase
Standby power: 46.8 KVA
Prime power: 42.5 KVA

Chassis:

Sheet metal of 5mm thickness, daily usage fuel tank, engine and alternator securely coupled and mounted on flexible rubber mountings

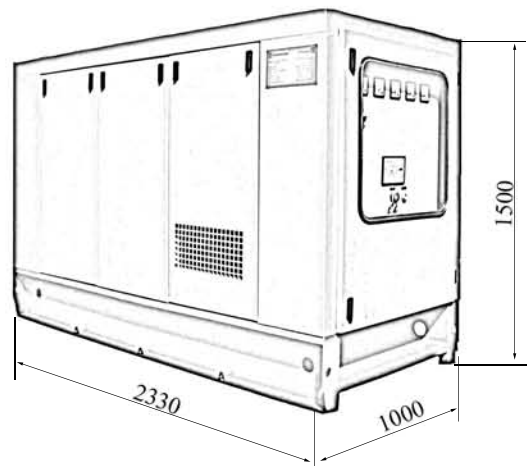
Electrical system:

Automatic main failure
 Automatic engine starting and stopping and automatic crank disconnect
 Automatic load transfer switch
 Automatic shut down and alarm on fault conditions
 Emergency stop push button
 65 Amp automatic switch
 Ammeters
 Frequency meter
 1.5 mm steel sheet metal case, electrostatically painted
 Battery charger
 Maintenance free 12V battery

Canopy:

1.5 mm sheet metal case, electrostatically painted
 High density P.V.C laminated foam for sound absorbing and inside shielding
 Secondary glass window for protection of control panel and exhaust silencer mounted inside canopy

| Fuel consumption litres / hour | |
|--------------------------------|--------------|
| Power rating | 1500 rev/min |
| Standby power | 11.9 |
| Prime power | 9.5 |
| 75% of prime power | 6.6 |
| 50% of prime power | 4.3 |
| 25% of prime power | 2.3 |



All dimensions are in mm

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- The illustrations may include some optional equipments.
- Motorsazan reserves the right to modify product specifications without prior notice.