

2012. The Genset Engine.

54 - 78 kVA at 1500 min⁻¹ / 50 - 71 kWe at 1800 min⁻¹



These are the characteristics of the 2012 Gen:

Watercooled 4-cylinder in-line engine.

Turbocharging and turbocharging with charge air cooling.

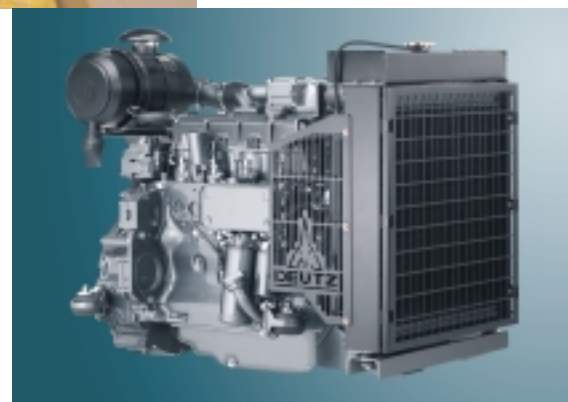
Displacement 1 l/cylinder.

Modern high-pressure fuel injection system with single injection pumps.

Electronic governor (option).

All servicing points on one side.

Compact design and low weight.



Your benefit:

- ▶ Low noise radiation. This eliminates the need for costly noise attenuation measures.
- ▶ Exemplarily low fuel and oil consumption, long service intervals save operating costs.
- ▶ Easy and cost-effective installation with minimum weight and small space requirement.
- ▶ Outstanding load acceptance ensures immediate power supply.
- ▶ Incomparably low exhaust emission, meets all industrial exhaust regulations.
- ▶ Global service network with over 1,000 locations.

► Technical data

| Engine type | | BF4M2012 | | BF4M2012C | |
|---|-------------------|-----------|------------|-----------|------------|
| | | 50 Hz | | 60 Hz | |
| Speed | min ⁻¹ | 1500 | 1500 | 1800 | 1800 |
| Frequency | Hz | 50 | 50 | 60 | 60 |
| Engine/genset ratings¹⁾ | | | | | |
| Continuous power, ICN (COP) ²⁾ | kW/HP | 51.0/68.0 | 64.0/86.0 | 60.0/80.0 | 75.0/101.0 |
| Prime power, ICN (PRP) ³⁾ | kW/HP | 54.0/72.0 | 71.0/95.0 | 63.0/84.0 | 79.0/106.0 |
| Limited-time running power, IFN (LTP) ⁴⁾ | kW/HP | 60.0/80.0 | 74.9/100.0 | 70.0/94.0 | 88.0/118.0 |
| Typical generator power output | | | | | |
| Typical generator power output (COP) ⁵⁾ | kVA kWe | 54.0 | 66.0 | 63.0 50.0 | 74.0 59.0 |
| Typical generator power output (PRP) ⁵⁾ | kVA kWe | 57.0 | 74.0 | 66.0 53.0 | 79.0 63.0 |
| Typical generator power output (LTP) ⁵⁾ | kVA kWe | 65.0 | 78.0 | 74.0 59.0 | 89.0 71.0 |
| Specific fuel consumption (PRP)⁶⁾ | | | | | |
| 100% load | g/kWh lb/hp hr | 220 0.65 | 200 0.59 | 227 0.67 | 217 0.64 |
| 50% load | g/kWh lb/hp hr | 229 0.68 | 205 0.61 | 239 217 | 217 0.66 |
| 25% load | g/kWh lb/hp hr | 272 0.80 | 240 0.71 | 281 0.83 | 262 0.78 |

1) Power reduction caused by altitude and temperature possible. For more details please contact DEUTZ.

2) Continuous power 100 % available at flywheel, no time limitation, plus 10 % extra power for governing purposes.

3) Prime power 100 %, permissible average power output equal to or below 60 %, no time limitation plus 5% extra power for governing purposes.

4) Limited-time running power 100 %, which can be delivered during 500 running h/year, thereof max. 300 running h/year continuously, no overload permissible; the required extra power for governing purposes must be taken into account however.

5) Taking into account typical generator efficiency 88.8 - 91.2% and power factor cos (φ) = 0,8.

6) Fuel specification: see operation manual.

The values given in this data sheet are for information purposes only and not binding. The information given in the offer is decisive.

► Dimensions

| Dimensions and weights | | BF4M2012 | BF4M2012C | | BF4M2012 | BF4M2012C |
|-------------------------------|----|----------|-----------|------|----------|-----------|
| Total length incl. air filter | mm | 1288.5 | 1378.8 | inch | 50.7 | 54.3 |
| Length w/o air filter | mm | 1092.5 | 1172.8 | inch | 43.0 | 46.6 |
| Total width | mm | 681.9 | 733.0 | inch | 26.8 | 28.9 |
| Total height | mm | 971.0 | 971.0 | inch | 38.2 | 38.2 |
| Height from mid crankshaft | mm | 736.0 | 736.0 | inch | 29.0 | 29.0 |
| Weight w/o cooling system | kg | 405.0 | 405.0 | lbs | 893.0 | 893.0 |
| Weight incl. cooling system | kg | 457.0 | 473.0 | lbs | 1008.0 | 1043.0 |

Standard specification

Standard engine: SAE 2 housing with flywheel 10"/11,5".

Cooling system: HT cooling system, incl. charge air cooler, depending on engine type, pusher-type fan.

Exhaust system: Without exhaust silencer, with counterflange for exhaust system on turbocharger.

Filter: Lubeoil filter, air filter depending on engine type loose or mounted.

Engine electrics: 12 Volt system.

Governor: Mechanical (standard) or electronic governor (optional).

Miscellaneous: Painting dark grey.

The engine company.

