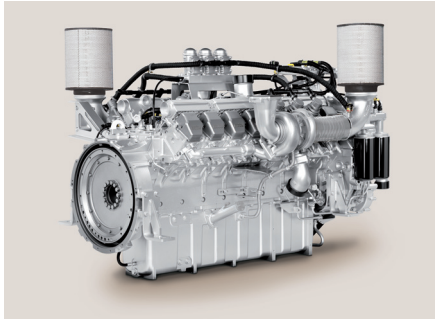


Gendrive

Series 2000 Gx5

for Power Generation Continuous Applications
with air-to-air charge air cooling



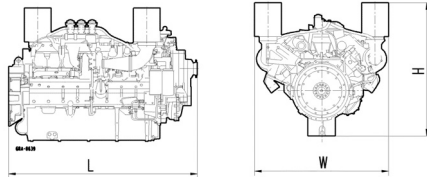
Dimensions and Masses

| Engine | Dimensions (LxWxH) mm (in) | Mass, dry kg (lbs) |
|--------|----------------------------|--------------------|
| 12V | 1882x1580x1585 (74x62x62) | 2490 (5490) |
| 16V | 2226x1580x2015 (88x62x79) | 3150 (6835) |
| 18V | 2400x1780x2015 (95x70x79) | 3500 (7715) |

All dimensions are approximate, for complete information refer to the installation drawing.

Engine Model

| | | |
|------------------------|-----------|--|
| Bore/stroke | mm (in) | 130/150 (5.1/5.9) |
| Cylinder configuration | | 90°V |
| Displacement/cylinder | l (cu in) | 1.99 (121) |
| Displacement, total | l (cu in) | 12V: 23.9 (1458), 16V: 31.8 (1944), 18V: 35.8 (2185) |
| Fuel specification | | EN 590, Grade No.1-D/2-D (ASTM D975-00) |



Application group

Continuous Power (3A)

Power definition

Heavy duty service, unrestricted

Load factor: ≤ 100%, Operating hours: unrestricted,
Overload: 10% capability (ICXN)

Power definition according to ISO 3046 (ratings also correspond to SAE J 1995 and SAE J 1349 standard conditions).
Consult your MTU distributor/dealer for the rating that will apply to your specific application.

Rated power is without fan drive. The power consumption of any fan drive has to be deducted during designing of a generator set.



Power. Passion. Partnership.

Continuous Power (3A)

| Engine Type | Rated power kW(bhp) at 1500 rpm (50Hz) | Optimization | |
|--------------|--|-------------------------------------|--|
| | | <input checked="" type="checkbox"/> | |
| | | Fuel consumption optimized | |
| 12V 2000 G65 | 515 (691) | x | |
| 16V 2000 G65 | 655 (878) | x | |
| 18V 2000 G65 | 720 (966) | x | |

Fan power requirement not considered

| Engine Type | Rated power kW(bhp) at 1800 rpm (60Hz) | Optimization | |
|----------------------------|--|-------------------------------------|--|
| | | <input checked="" type="checkbox"/> | |
| | | Fuel consumption optimized | |
| 12V 2000 G45 ¹⁾ | 580 (778) | x | |
| 12V 2000 G85 ¹⁾ | 620 (831) | x | |
| 16V 2000 G45 ¹⁾ | 685 (919) | x | |
| 16V 2000 G85 ¹⁾ | 790 (1059) | x | |
| 18V 2000 G85 ¹⁾ | 900 (1207) | x | |

Fan power requirement not considered
 1) available on request

reference to emission level in price list

| Standard Equipment | |
|-----------------------|---|
| Starting System | Electric starter (24 VDC/2-pole) |
| Fuel System | Electronically controlled high-pressure injection with single unit injection pumps (EUP) |
| Lube Oil System | Forced feed lubrication system with piston cooling, lube oil circulation pump with safety valve, lube oil multi-stage filter, lube oil heat exchanger |
| Combustion Air System | Exhaust turbochargers, intercooler integrated in radiator |
| Cooling System | Coolant circulation pump and coolant thermostat for jacket water cooling system, engine mounted fan drive, front type radiator for jacket water and charge air cooling circuit with integrated expansion tank |
| Engine Mounting | Set of engine mounting brackets at engine free and driving end |
| Engine Management | Integrated electronic engine control and monitoring system ADEC |

| Optional Equipment | |
|-----------------------|---|
| Starting System | Redundant starting system electric/air; electric/electric; air/air |
| Fuel System | Fuel pre-filter, special fuel pre-filter with water separator |
| Lube Oil System | Hand pump for lube oil extraction, electrical interval pre-lubrication pump |
| Combustion Air System | Heavy duty air filters |
| Cooling System | Radiator for different ambient temperatures and duct requirements |
| Engine Mounting | Resilient engine mounts (rubber elements), rigid engine mounting |

Reference conditions:

- Intake-air temperature: 25°C (77°F)
- Ambient air pressure: 1 bar (14.5 psi)
- Altitude above sea level: 100 m (328 ft)

Subject to change without notice. Customization possible. Engines illustrated in this document may feature options not fitted as standard.