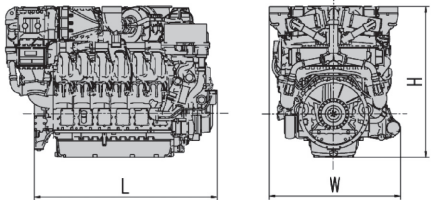
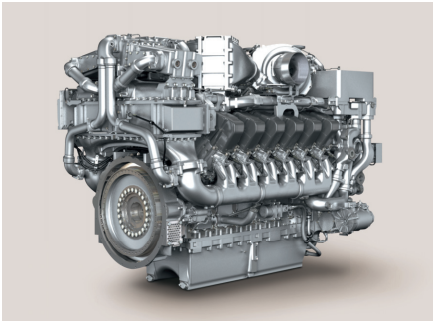


Industrial

Series 4000-04

for Industrial and Mining Applications
with no exhaust aftertreatment



Dimensions and Masses

| Engine | Dimensions (LxWxH) mm (in) | Mass, dry kg (lbs) |
|----------|----------------------------|--------------------|
| 12V 4000 | 2736x1701x2003 (108x67x79) | 8200 (18078) |

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

| Engine Model | | |
|------------------------|-----------|--------------------------|
| Bore/Stroke | mm (in) | 170/210 (6.7/8.3) |
| Cylinder configuration | | 90° V |
| Displacement/cylinder | l (cu in) | 4.77 (291) |
| Displacement, total | l (cu in) | 57.3 (3493) |
| Fuel specification* | | EN 590, Grade No.1-D/2-D |

*Ultra low sulfur diesel (<15ppm) required

| Engine Type | Rated Power ICFN | | | Peak Torque | | | Optimization |
|--------------------|-----------------------------------|------|------|-------------|------|-------|--------------|
| | Model | kW | bhp | rpm | Nm | lb-ft | |
| Application | Medium duty operation (5B) | | | | | | |
| 12V 4000 C64 | 1865 | 2500 | 1900 | 9373 | 6913 | 1900 | Ⓢ |

Optimization: Ⓢ Exhaust Emission EPA 40 CFR 1039 / Tier 4i



Power. Passion. Partnership.

Application

Power definition

5B Continuous operation w/variable load Load factor: < 60 %, Operating hours: unrestricted, Overload: Fuel stop (ICFN)

Power output within 5% tolerance at standard conditions. 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.

Standard Equipment

| | |
|---------------------------------|--|
| Starting System | Electric starter (24 V / 24 kW) |
| Fuel System | Common rail injection system, double-walled high pressure fuel lines with fuel leakage monitoring, 2 stage filters |
| Lube Oil System | Multi-stage lube oil filters with oil centrifugal filter and prelube |
| Combustion Air System | Two-stage turbocharging with exhaust gas recirculation (EGR) |
| Cooling System | Separate HT (JW) and LT (CAC) coolant circuits with separate pumps |
| Flywheel/Housing | SAE 00 flywheel housing with SAE 21 isolated flywheel and flexplate |
| Accessory Drives | Engine mounted fan clutch |
| Engine Mounting | Front trunnion mount (three point) |
| Electronics and Instrumentation | ADEC engine control and management systems |

Optional Equipment

| | |
|---------------------------------|---|
| Fuel System | Fuel pre-filter with water separator |
| Lube Oil System | Oil sightglass |
| Coolant System | Coolant connecting parts (flange, fittings) |
| Accessory Drives | Battery charging alternator (28 V/260 A), air conditioning compressor drives |
| Electronics and Instrumentation | Customer Interface cable (10 m/15 m), coolant level sensor, display, diagnostic interface connector |

Reference conditions:

- > Intake-air temperature: 25°C (77°F)
- > Altitude above sea level: 100 m (328 ft)
- > Ambient air pressure: 1000 mbar (14.5 psi)
- > Charge air coolant temperature: 45°C (113°F)

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