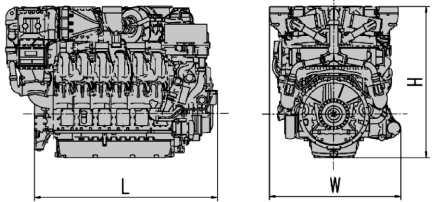
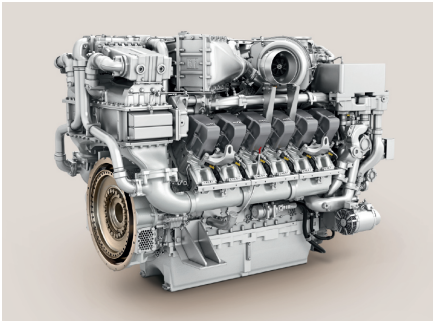


Series 4000-x4

for Industrial and Mining Applications
with no exhaust aftertreatment



Dimensions and Masses

Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
12V	2633 x 1631 x 1997 (103.7 x 64.2 x 78.6)	7960 (17549)

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)
Coolant 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
Diagnosis System	Exhaust temperature monitoring system ETMS

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.