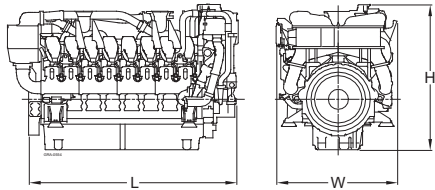
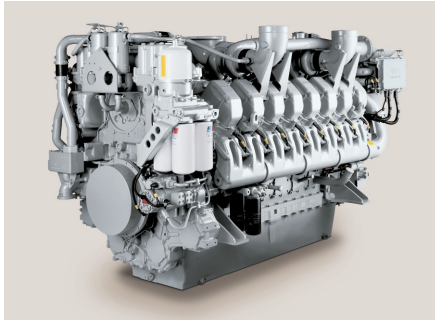


# Series 4000

## for Stationary Industrial Applications



### Dimensions and Masses

Engine	Dimensions LxWxH mm (in)	Mass, dry kg (lbs)
12V	2540x1590x1740 (100x63x69)	6045 (13325)
16V	3010x1590x1740 (119x63x69)	7085 (15620)

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

Engine Model		
Bore/stroke	mm (in)	165/190 (6.5/7.5)
Cylinder configuration		90° V
Displacement/cylinder	l (cu in)	4.06 (248)
Displacement, total	l (cu in)	12V: 48.7 (2972), 16V: 65.0 (3967)
Fuel specification		EN 590, Grade No.1-D/2-D

Application	Power Definition	
4A	Continuous operation w/100% load	Load factor: ≥ 60%, Operating hours: unrestricted, Overload: Fuel stop (ICFN)
4B	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.

Engine Type	Reference No. Model/06N04M	Rated Power ICFN			Peak Torque		
		kW	bhp	rpm	Nm	lb-ft	rpm
Optimization		②					
Application		Heavy duty operation (4A)					
12V 4000 S11R	T1237K33/1329	1193	1600	1800	7612	5614	1500
12V 4000 S11	T1237K33/1328	1286	1725	1900	6986	5150	1500
16V 4000 S11	T1637K33/1337	1343	1800	1900	8546	6300	1500
16V 4000 S21R	T1637K33/1336	1600	2146	1800	10188	7514	1500
16V 4000 S21	T1637K33/1335	1715	2300	1900	9315	6870	1500

Optimization: ② Exhaust emission EPA 40 CFR 89/Tier 1



Engine Type	Reference No. Model/06N04M	Rated Power ICFN			Peak Torque		
		kW	bhp	rpm	Nm	lb-ft	rpm
Optimization		<input checked="" type="checkbox"/>					
Application		Heavy duty operation (4A)					
12V 4000 S	T1237K11/1284	1193	1600	1900	7596	5602	1500
12V 4000 S	T1237K11/1102	1286	1725	1900	6986	5150	1500
16V 4000 S	T1637K11/1103	1715	2300	1900	9315	6870	1500
Optimization		②					
Application		Medium duty operation (4B)					
12V 4000 S51R	T1237K33/1327	1398	1875	1900	7612	5614	1500
12V 4000 S51	T1237K33/1326	1510	2025	1900	8199	6047	1500
16V 4000 S51R	T1637K33/1476	1864	2500	1900	10147	7484	1500
16V 4000 S51	T1637K33/1475	2023	2700	1900	10931	8062	1500
Optimization		<input checked="" type="checkbox"/>					
12V 4000 S	T1237K11/1100	1398	1875	1900	7612	5614	1500
12V 4000 S	T1237K11/1099	1510	2025	1900	8199	6047	1500
16V 4000 S	T1637K11/1085	1864	2500	1900	10150	7486	1500
16V 4000 S	T1637K11/1095	2023	2700	1900	10934	8062	1500

Optimization:    ② Exhaust emission EPA 40 CFR 89/Tier 1     Fuel consumption

Standard Equipment	
Starting System	Electric starter
Fuel System	"Common-Rail" fuel injection system, with low and high pressure fuel pumps, Double-walled high pressure fuel lines and electronically controlled injection
Lube Oil System	Forced-feed lubrication system with piston cooling, Lube oil circulation pump, Lube oil multi-stage filter, Lube oil cooler, Lube oil centrifuge
Coolant System	CHT (jacket water) and LT (charge air) circuits with separate coolant pumps and thermostats, Fan drive with crankshaft pulley
Combustion Air System	Exhaust turbochargers, Intercooler
Engine Mounting	Trunnion mount
Electronics and Instrumentation	Integrated electronic engine control and monitoring system DDEC

Optional Equipment	
Starting System	Air starter
Fuel System	Fuel pre-filter, Special pre-filter with water separator
Accessory Drive	SAE B 2-bolt flange
Engine Management	Coolant level sensor

## Reference conditions:

&gt; Intake-air temperature: 25°C (77°F)

&gt; Ambient air pressure: 1000 mbar (14.5 psi)

&gt; Rated power available up to 40°C (104°F) and 400 m (1312 ft.)

&gt; Charge-air coolant temp.: 42°C (108°F)

&gt; 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.