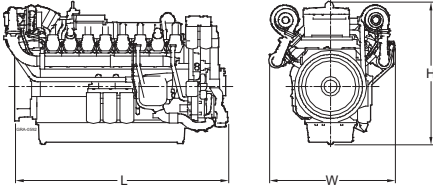
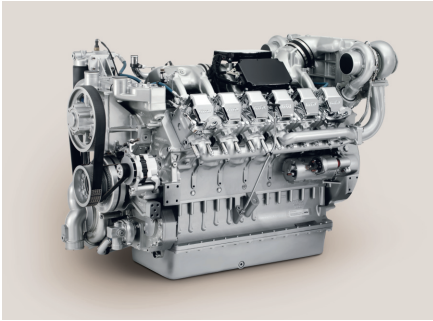


Series 2000

for Oil & Gas Mechanical Drive Applications



Dimensions and Masses

Engine	Dimensions LxWxH mm (in)	Mass, dry kg (lbs)
12V	1864x1205x1287 (73x47x51)	2416 (5326)
16V	2360x1248x1314 (93x49x52)	2904 (6402)

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)
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)
4C	Short-time operation w/variable load	Load factor: < 75%, Operating hours: max. 1000 hours p/yr, Overload: Fuel stop (ICFN)
4D	Continuous operation w/low load	Load factor: < 40%, Operating hours: max. 2000 hours p/yr, 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	Rated Power ICFN			Peak Torque		
	kW	bhp	rpm	Nm	lb-ft	rpm
Optimization	Ⓢ					
Application	Heavy duty operation (4A)					
12V 2000 S12	567	760	2100	3089	2280	1350
16V 2000 S12	783	1050	1800/2100	4459	3288	1350

Optimization: Ⓢ Exhaust emission EPA 40 CFR 89/Tier 2 compliant



Power. Passion. Partnership.

Engine Type	Rated Power ICFN			Peak Torque		
	kW	bhp	rpm	Nm	lb-ft	rpm
Optimization	⑱					
Application	Medium duty operation (4B)					
12V 2000 S52R	634	850	2100	3681	2715	1350
12V 2000 S62	675	905	2100	3918	2890	1350
16V 2000 S52	899	1205	1800/2100	5287	3900	1500
Optimization	⑳⑱					
Application	Short-time duty operation (4C)					
12V 2000 S92R	750	1005	2100	4204	3100	1350
16V 2000 S92R	1000	1340	2100	5316	3921	1500
16V 2000 S92	1120	1500	2100	5095	3757	1500
Optimization	⑱					
Application	Continuous operation (4D)					
16V 2000 S82	1120	1500	2100	6005	4429	1500

Optimization: ⑳ Exhaust emission EPA 40 CFR 60/Tier 2 Stationary emergency
 ⑱ Exhaust emission EPA 40 CFR 89/Tier 2 compliant

Standard Equipment	
Starting System	Electric starter
Fuel System	Electronically controlled high-pressure injection with single unit injection pumps (EUP), dual engine mounted fuel filters
Lube Oil System	Multi-stage lube oil filter
Combustion Air System SCCC	Separate HT (JW) and LT (CAC) coolant circuits with separate coolant pumps and thermostats
Flywheel/Housing	Dry SAE 0 Flywheel housing
Engine Mounting	Trunnion mount (three-point mounting)
Electronics and Instrumentation	DDEC IV engine control and management systems

Optional Equipment	
Lube Oil System	Remote mounted oil filters 15° oil pan
Combustion Air System	Air shut-off flaps
Cooling System	Coolant heater, Front crank PTO for fan drive (various ratios available)
Flywheel/Housing	SAE 0 Flywheel housing "wet"
Accessory Drives	28 VDC battery charging alternator, Auxiliary PTO's for hydraulic pump drives and compressors

Reference conditions:

> Intake-air temperature: 25°C (77°F) > Ambient air pressure: 1000 mbar (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.