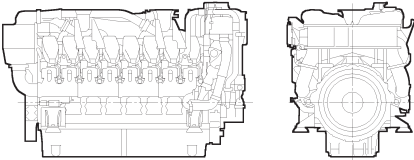
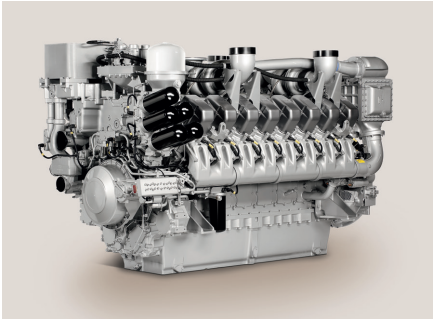


Gendrive

# Series 4000 G73

for Oil & Gas Continuous/Prime Applications  
with water-to-air charge air cooling



## Dimensions and Masses

Engine	Dimensions LxWxH mm (in)	Mass, dry kg (lbs)
12V	2410 x 1449 x 1871 (95 x 57 x 74)	6300 (13889)
16V	2865 x 1449 x 1864 (113 x 57 x 73)	7400 (16314)

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)	12V: 57.2 (3491); 16V: 76.3 (4656)
Fuel specification		EN 590, Grade No.1-D/2-D (ASTM D975-00)

Application group	Power definition	
Continuous (3A)	Heavy duty service, unrestricted	Load factor: ≤ 100%, Operating hours: unrestricted, Overload: 10% capability (ICXN)
Prime (3B)	Continuous service, variable load, ICXN	Load factor: ≤ 75%, 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 (3A)

Engine Type	Rated power kW (bhp) at 1200 rpm (60Hz)	Optimization	
		<sup>19</sup>	
		US EPA Nonroad Tier 2 compliant (40 CFR 89)	
12V 4000 G73	870 (1167)	x	
16V 4000 G73	1140 (1529)	x	

Fan power requirement not considered

## Prime (3B)

Engine Type	Rated power kW (bhp) at 1200 rpm (60Hz)	Optimization	
		<sup>19</sup>	
		US EPA Nonroad Tier 2 compliant (40 CFR 89)	
12V 4000 G73	1105 (1482)	x	
16V 4000 G73	1390 (1864)	x	

Fan power requirement not considered

<sup>19</sup> reference to emission level in price list

Standard Equipment	
Starting System	Electric starter
Fuel System	„Common-Rail“ fuel injection system, double-walled high pressure fuel lines with monitoring, fuel main filters
Lube Oil System	Fill neck and dipstick either on A/B-side, lube oil multi-stage filters, closed crankcase breather system, 2 L centrifugal oil filters
Combustion Air System	Horizontal air inlet bends
Exhaust Gas System	Vertical exhaust gas outlet, combustion air shut-off flaps electrically operated
Cooling System	HT (JW) and LT (CAC) coolant circuit with coolant pumps and thermostats
Flywheel/Housing	SAE 00 flywheel housing
Engine Mounting	Mounting brackets on engine free and driving end, rigid mounting system (application related)
Electronics and Instrumentation	ADEC engine control and management system

Optional Equipment	
Starting System	Air starter motor, redundant starting systems electric/pneumatic
Lube Oil System	4 L centrifugal oil filters, open crankcase breather system, hand pump for waste oil removal
Combustion Air System	Air filters with restriction indicator
Exhaust Gas System	Exhaust gas bellows with companion flanges
Coolant System	Coolant connecting parts (weld on flanges), engine mounted pulley for mechanical fan drive
Engine Mounting	Resilient rubber mounts, trunnion mount on engine free end
Power Transmission	Rubber coupling
Accessory Drives	Battery charging alternator, V-belt driven, 28VDC/100 A

## 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)
- 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. For more information please contact your MTU dealer.