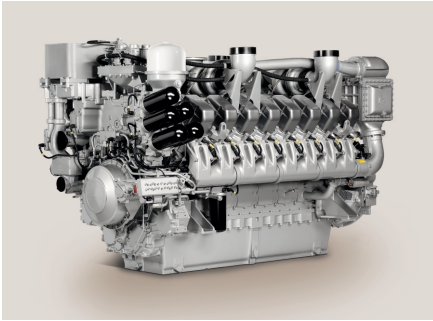


# Series 4000 G73

## GenDrive Engines

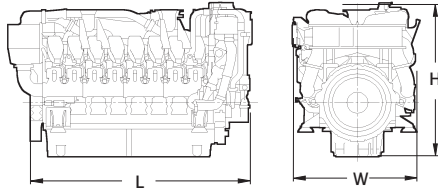
### for the Oil & Gas Industry



#### Dimensions and Masses

Engine	Dimensions LxWxH mm (in)	Mass, dry kg (lbs)
12V	2410x1449x1871 (95x57x74)	6300 (13889)
16V	2865x1449x1864 (113x57x73)	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: 57.3 (3493); 16V: 76.3 (4656)
Fuel specification		EN 590, Grade No.1-D/2-D

Application Group	Rated Power IC <sub>50</sub> kW	bhp	rpm (60 Hz)
Optimization	③		
<b>Engine Type</b>	<b>Continuous Power (3A)</b>		
12V 4000 G73	870	1166	1200
16V 4000 G73	1140	1528	1200
Optimization	③		
<b>Engine Type</b>	<b>Prime Power (3B)</b>		
12V 4000 G73	1105	1481	1200
16V 4000 G73	1390	1863	1200

Optimization: ③ Exhaust emission EPA 40 CFR 89/Tier 2



Power. Passion. Partnership.

Application	Power Definition	
3A	Continuous operation w/100% load	Load factor: ≤ 100 %, Operating hours: unrestricted, Overload: 10% capability (ICXN)
3B	Continuous operation w/variable load	Load factor: < 75%, Operating hours: unrestricted, Overload: 10% capability (ICXN)

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
Fuel System	Common rail 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 mech. 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: 1000 mbar (14.5 psi)

> Charge air coolant temp.: 45°C (113° F)

> 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.