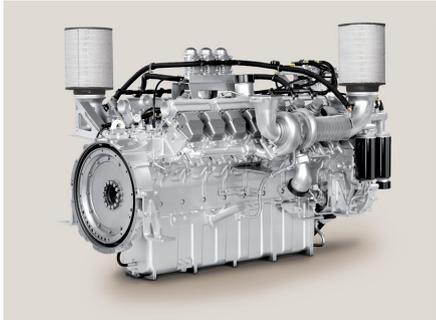


Gendrive

# Series 2000 Gx5

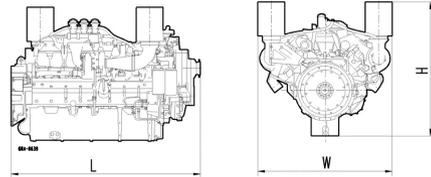
for Power Generation Continuous/Prime/Peak Applications  
with air-to-air charge air cooling



## Dimensions and Masses

Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
12V	1882 x 1580 x 1570 (74 x 62 x 62)	2490 (5490)
16V	2226 x 1580 x 1572 (88 x 62 x 62)	3100 (6834)
18V	2398 x 1580 x 1603 (94 x 62 x 63)	3500 (7716)

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), 18V: 35.8 (2185)
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 1500 rpm (50Hz)	Optimization	
		☒	
12V 2000 G65	515 (691)	x	
16V 2000 G65	655 (878)	x	
18V 2000 G65	720 (966)	x	

Fan power requirement not considered

☒ reference to emission level in price list

## Prime (3B)

Engine Type	Rated power kW (bhp) at 1500 rpm (50Hz)	Optimization	
		☒	①
		Fuel consumption optimized	TA-Luft optimized (NOx < 1500 mg/m <sup>3</sup> <sub>N</sub> )
12V 2000 G25	580 (778)	x	x
12V 2000 G65	695 (932)	x	x
16V 2000 G25	810 (1086)	x	x
16V 2000 G65	890 (1194)	x	x
18V 2000 G65	1000 (1341)	x	x

Fan power requirement not considered

Engine Type	Rated power kW (bhp) at 1800 rpm (60Hz)	Optimization
		⑰
		US EPA Nonroad Tier 2 compliant (40 CFR 89)
12V 2000 G45	710 (952)	x
12V 2000 G85	810 (1086)	x
16V 2000 G45	915 (1227)	x
16V 2000 G85	1010 (1354)	x
18V 2000 G85	1191 (1597)	x

Fan power requirement not considered

☒ ① ⑰ reference to emission level in price list

Standard Equipment	
Starting System	Electric starter (24 VDC/2-pole)
Fuel System	Electronically controlled high-pressure injection with single unit injection pumps (EUP)
Lube Oil System	Forced feed lubrication system with piston cooling, lube oil circulation pump with safety valve, lube oil multi-stage filter, lube oil heat exchanger
Combustion Air System	Exhaust turbochargers, intercooler integrated in radiator
Cooling System	Coolant circulation pump and coolant thermostat for jacket water cooling system, engine mounted fan drive, front type radiator for jacket water and charge air cooling circuit with integrated expansion tank
Engine Mounting	Set of engine mounting brackets at engine free and driving end
Engine Management	Integrated electronic engine control and monitoring system ADEC

Optional Equipment	
Starting System	Redundant starting system electric/air; electric/electric; air/air
Fuel System	Fuel pre-filter, special fuel pre-filter with water separator
Lube Oil System	Hand pump for lube oil extraction, electrical interval pre-lubrication pump
Combustion Air System	Heavy duty air filters
Cooling System	Radiator for different ambient temperatures and duct requirements
Engine Mounting	Resilient engine mounts (rubber elements), rigid engine mounting

## 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)

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.