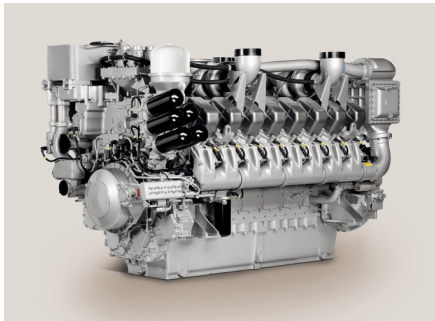


Gendrive

# Series 4000 Gx3

for Power Generation Continuous Applications  
with water-to-air charge air cooling



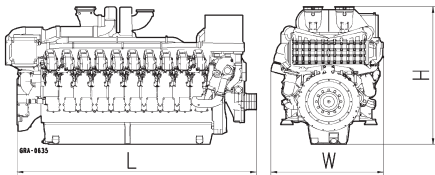
## Dimensions and Masses

Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
12V	2490x1610x1870 (98x63x74)	6200 (13670)
16V	2865x1660x1810 (113x65x71)	7700 (16975)
20V	3410x1615x2050 (134x64x81)	9640 (21255)

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 (4655), 20V: 95.4 (5822)
Fuel specification		EN 590, Grade No.1-D/2-D (ASTM D975-00)



## Application group

Continuous Power (3A)

## Power definition

Heavy duty service, unrestricted

Load factor: ≤ 100%, 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 Power (3A)

Engine Type	Rated power kW(bhp) at 1500 rpm (50Hz)	Optimization	
		<input type="checkbox"/>	
		Fuel consumption optimized	
12V 4000 G63	1310 (1757)	x	
16V 4000 G63	1635 (2193)	x	
20V 4000 G63	2000 (2682)	x	
20V 4000 G63L	2200 (2950)	x	

Fan power requirement not considered

Engine Type	Rated power kW(bhp) at 1800 rpm (60Hz)	Optimization	
		<input type="checkbox"/>	
		Fuel consumption optimized	
12V 4000 G43	1190 (1596)	x	
12V 4000 G83	1420 (1904)	x	
16V 4000 G43	1680 (2253)	x	
16V 4000 G83	1950 (2615)	x	
20V 4000 G83	2230 (2990)	x	
20V 4000 G83L	2490 (3339)	x	

Fan power requirement not considered

reference to emission level in price list

Standard Equipment	
Starting System	2 electric starters (24 VDC/2-pole)
Fuel System	“Common-Rail“ fuel injection system, with low and high pressure fuel pumps, fuel pressure accumulator, high pressure fuel lines and electronically controlled injection
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, oil centrifugal filter
Combustion Air System	Exhaust turbochargers, intercooler
Cooling System	Coolant circulation pump and coolant thermostat for jacket water cooling circuit, coolant circulation pump and coolant thermostat for charge air cooling circuit
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	Compressed air starter, redundant starting system
Fuel System	Fuel pre-filter, special fuel pre-filter with water separator
Lube Oil System	Centrifugal lube oil filter, oil replenishment system
Combustion Air System	Heavy duty air filters
Cooling System	Electric coolant pre-heating unit with circulating pump, thermoastat and non-return flap
Engine Mounting	Resilient engine mounts (rubber elements), rigid engine mounts

## 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.