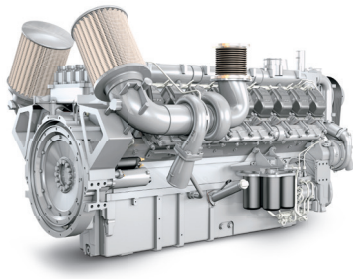




Gendrive

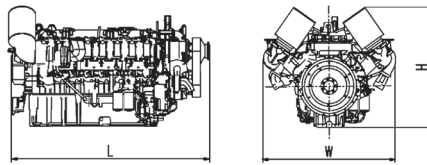
SERIES 2000 GX6

for power generation continuous/prime/grid stability applications
with air-to-air charge air cooling



Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
12V	2086 x 1522 x 1470 (82 x 60 x 58)	2640 (5820)
16V	2436 x 1570 x 1420 (96 x 62 x 56)	3100 (6834)
18V	2611 x 1572 x 1420 (103 x 62 x 56)	3320 (7319)

All dimensions are approximate, for complete information refer to the installation drawing.



Engine model		
Bore/stroke	mm (in)	135/156 (5.3/6.15)
Cylinder configuration		90°V
Displacement	l (cu in)	2.23 (136)
Displacement, total	l (cu in)	12V: 26.76 (1633), 16V: 35.68 (2177), 18V: 40.14 (2450)
Fuel specification		EN 590, Grade No.1-D/2-D (ASTM D975-00)

Application group	Power definition	
Continuous power (3A)	Heavy duty service, unrestricted, ICXN	Load factor: ≤ 100%, operating hours: unrestricted, overload capability: 10% (ICXN)
Prime power (3B)	Continuous service, variable load, ICXN	Load factor: ≤ 75%, operating hours: unrestricted, overload capability: 10% (ICXN)
Grid stability power (3G)	Heavy duty, intermittent, ICXN	Load factor: ≤ 100%, operating hours: 1000 h/year - 500 h with 100% load w/o interruption, overload capability: 10% (ICXN)

Power definition according to ISO 3046 (ratings also correspond to SAE J 1995 and SAE J 1349 standard conditions). Consult your **mtu** distributor 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.

Continuous power (3A)

Engine type	Rated power kW (bhp) at	Optimization
	1500 rpm (50Hz)	x
12V 2000 B26F	665 (892)	x
16V 2000 B26F	709 (951)	x
18V 2000 B26F	887 (1189)	x

Fan power requirement not considered, reference to emission level in price list

x Fuel consumption optimized

Prime power (3B)

Engine type	Rated power kW (bhp) at	Optimization				
	1500 rpm (50Hz)	x	1	24	31	36
12V 2000 G16F	665 (892)	x	x	x	x	x
12V 2000 G26F	709 (951)	x	x	x	x	x
16V 2000 G16F	806 (1081)	x	x	x	x	x
16V 2000 G26F	890 (1194)	x	x	x	x	x
16V 2000 G36F	1000 (1341)	x	x	x	x	x
18V 2000 G26F	1102 (1478)	x	x	x	x	x

Fan power requirement not considered, reference to emission level in price list

x Fuel consumption optimized

1 NOx emission optimized (NOx < 2000 mg/m³_N/7%O₂)

24 NEA Singapore for ORDE

31 China NRMM Stage III (GB20981-2014)

36 US EPA Nonroad Tier 2 compliant

Prime power (3B) – switchable, for rental markets

Engine type	Rated power kW (bhp) at	Optimization		
	1500/1800 rpm (50/60Hz)	x	1	36
12V 2000 B76	709/716 (951/960)	x ¹⁾	x ²⁾	x ²⁾
16V 2000 B76	890/998 (1194/1338)	x ¹⁾	x ²⁾	x ²⁾
18V 2000 B76	1102/1097 (1478/1471)	x ¹⁾	x ²⁾	x ²⁾

Fan power requirement not considered, reference to emission level in price list

x Fuel consumption optimized

1 NOx emission optimized (NOx < 2000 mg/m³_N/7%O₂)

36 US EPA Nonroad Tier 2 compliant

1) only 60Hz

2) only 50Hz

Grid stability power (3G)

Engine type	Rated power kW (bhp) at	Optimization				
		1500 rpm (50Hz)	1	24	31	36
16V 2000 G26F	890 (1194)	x	x	x	x	x
18V 2000 G26F	1102 (1478)	x	x	x	x	x

Fan power requirement not considered, reference to emission level in price list

x Fuel consumption optimized

1 NOx emission optimized (NOx < 2000 mg/m³_N/7%O₂)

24 NEA Singapore for ORDE

31 China NRMM Stage III (GB20981-2014)

36 US EPA Nonroad Tier 2 compliant

Standard equipment	
Starting system	1 electric starter (24 VDC/2-pole)
Fuel system	Electronically controlled common-rail high-pressure injection system, dual engine mounted fuel filters
Lube oil system	Forced feed lubrication system with piston cooling, lube oil circulation pump, lube oil filter, lube oil heat exchanger
Combustion air system	2 exhaust turbochargers, air-to-air intercooler integrated in radiator
Cooling system	Coolant circulation pump and coolant thermostat for jacket water circuit, engine mounted fan drive, direct engine mounted radiator for jacket water and charge air cooling circuit with integrated expansion tank
Engine mounting	Set of engine mounting brackets for resilient mount
Engine management	Integrated electronic engine control and monitoring system ADEC, customer interface „Smart Connect“

Optional equipment	
Starting system	Hydraulic, compressed air, redundant starting system: electric/electric; air/air; electric/air; electric/hydraulic; air/hydraulic
Fuel system	Fuel pre-filter, special fuel pre-filter with water separator
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
Auxiliary power supply	Battery charging alternator

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)

Customization possible. Engines illustrated in this document may feature options not fitted as standard. For more information please contact your **mtu** dealer.