

GAS SYSTEM SERIES 4000 BIOGAS

480V / 60 Hz

NOx < 1g/bhp-hr, Alternator UL certified



SYSTEM RATINGS

Gas genset

Genset Type	Engine Type	Output				Energy input ⁴⁾ kBTU/hr	Efficiency		Methane number ⁵⁾
		Elect. ¹⁾	Therm. ²⁾	Exhaust ³⁾	Low Temp.		Electr.	Total	
		kW _{el.}	kBTU/hr	kBTU/hr (°F)	kBTU/hr (°F)		η _{el.} (%)	η _{tot.} (%)	
MTU 8V4000 GS	L32	762	1462	1107 (356)	256 (104)	6236	41.7	80.7	≥ 120
MTU 12V4000 GS	L32	1151	1991	1684 (356)	355 (104)	9371	41.9	81.2	≥ 120
MTU 16V4000 GS	L32	1542	2189	2251 (356)	1079 (104)	12479	42.2	77.8	≥ 120
MTU 20V4000 GS	L32	1932	2558	3012 (356)	1288 (104)	15501	42.6	78.5	≥ 120

1) Rated power at nominal voltage, power factor = 1,0 and nominal frequency

2) Heat output from engine cooling with tolerance of ± 8%

3) Heat output from exhaust (exhaust cooling to 248°F or 356°F) with tolerance of ± 8%

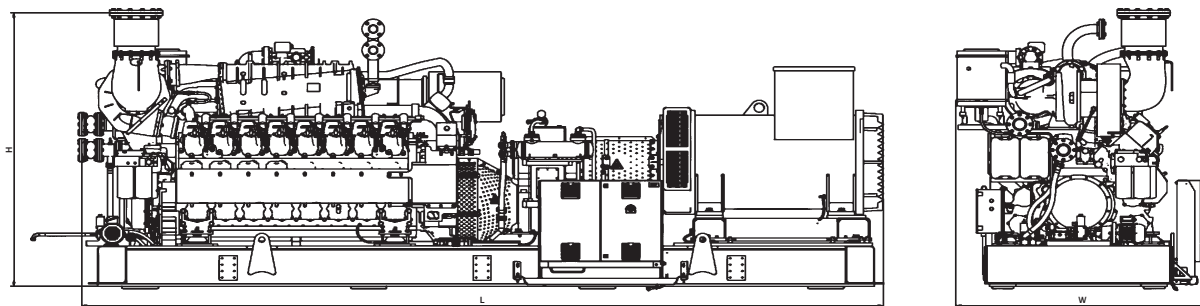
4) Performance data in accordance with ISO 3046/I-2002 with tolerance of 5%

5) Referenced methane number

Project specific data on request:

- different alternator voltage
- different flow-/return-temperatures, hot cooling, methane number, installation conditions etc.
- Container

DRAWINGS AND DIMENSIONS



Note: This drawing is provided for reference only and should not be used for installation planning.

Genset Type

MTU 8V4000 GS
MTU 12V4000 GS
MTU 16V4000 GS
MTU 20V4000 GS

Dimensions Genset (L x W x H)

203 x 80 x 100 in
230 x 80 x 100 in
268 x 80 x 102 in
285 x 80 x 102 in

ENGINE DATA

4000

Configuration	90° V
No. of cylinders	8/12/16/20
Bore/Stroke	170/210 mm (6.69/8.27 in)
Cyl. displacement	4.77 lit. (291 cu in)
Rated speed	1500 rpm

DESIGN AND EQUIPMENT (EXTRACT)

- // Sliding gear starter 24V
- // Gas supply with electronically controlled gas metering valve
- // Electronic high-voltage capacitor ignition system with one ignition coil per cylinder
- // Electronic speed governor for speed and power output control with automatic knocking control

Any specifications, descriptions, values, data or other information related to dimensions, power or other technical performance criteria of the goods as provided in this general product information are to be understood as non-binding and may be subject to further changes such as but not limited to technical evolution at any time. Version: 01.08.2014, materials and specifications subject to change without notice due to technical advances.

MTU Onsite Energy
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