GAS SYSTEM
SERIES 4000 NATURAL GAS

480V / 60 Hz
NOx < 1g/bhp-hr, Alternator UL certified

SYSTEM RATINGS

Gas genset

Genset Type	Engine Type	Output Elect.[1] kW$_{el.}$	Output Therm.[2] kBTU/hr	Output Exhaust[3] kBTU/hr (°F)	Output Low Temp. kBTU/hr (°F)	Energy input[4] kBTU/hr	Efficiency Electr. $n_{el.}$ (%)	Efficiency Total n_{tot} (%)	Methane number[5]
MTU 8V4000 GS	L33	762	*1400*	1455 (248)	161 (104)	6321	41.2	86.3	≥ 70
MTU 8V4000 GS	L33	840	*1544*	1547 (248)	167 (104)	6878	41.7	86.6	≥ 80
MTU 12V4000 GS	L33	1267	*2315*	2271 (248)	304 (104)	10263	42.2	86.9	≥ 80
MTU 16V4000 GS	L33	1697	*3398*	2831 (248)	393 (104)	13770	42.1	87.3	≥ 80
MTU 20V4000 GS	L33	2129	*4040*	3716 (248)	488 (104)	17199	42.3	87.4	≥ 80

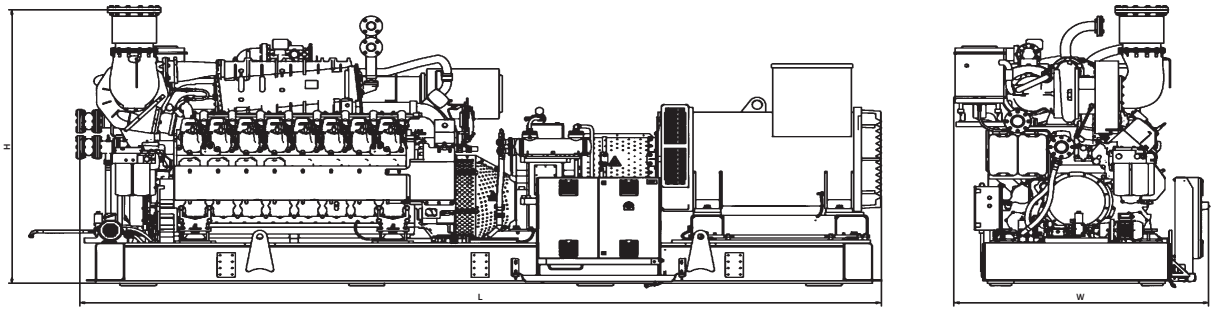
hot ambient conditions

Genset Type	Engine Type	Output Elect.[1] kW$_{el.}$	Output Therm.[2] kBTU/hr	Output Exhaust[3] kBTU/hr (°F)	Output Low Temp. kBTU/hr (°F)	Energy input[4] kBTU/hr	Efficiency Electr. $n_{el.}$ (%)	Efficiency Total n_{tot} (%)	Methane number[5]
MTU 8V4000 GS	L32	762	*1554*	1448 (248)	109 (127)	6393	40.7	87.6	≥ 80
MTU 12V4000 GS	L32	1151	*2203*	2203 (248)	147 (127)	9477	41.5	88.0	≥ 80
MTU 16V4000 GS	L32	1542	*3009*	2777 (248)	260 (127)	12599	41.8	87.7	≥ 80
MTU 20V4000 GS	L32	1924	*3610*	3798 (248)	266 (127)	15795	41.6	88.5	≥ 80

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	Dimensions Genset (L x W x H)
MTU 8V4000 GS	203 x 80 x 100 in
MTU 12V4000 GS	230 x 80 x 100 in
MTU 16V4000 GS	268 x 80 x 102 in
MTU 20V4000 GS	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

Subject to change. | 3237301 | Edition 02/14 | ENC 2014-08 | Printed in Germany on chlorine-free bleached papaer.