

GAS SYSTEM SERIES 400 BIOGAS

480 V / 60 Hz

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



SYSTEM RATINGS

Gas genset with optional heat recovery
(194°/158°F heating water circuit)

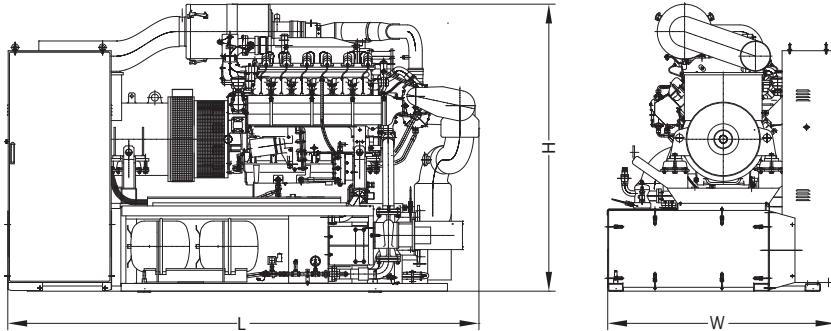
Genset Type	Engine Type	Output				Energy input ⁴⁾ kBTU/hr	Efficiency		Methane number ⁵⁾
		Elect. ¹⁾	Therm. ²⁾	Exhaust ³⁾	Low Temp.		Electr.	Total	
		kW _{el.}	kBTU/hr	kBTU/hr (°F)	kBTU/hr (°F)		η _{el.} (%)	η _{tot.} (%)	
MTU 6R400 GS	B3066 L8	175	474	321 (356)	---	1676	35.6	83.0	≥ 120
MTU 6R400 GS	B3066 Z8	200	512	509 (356)	44 (122)	1909	35.7	88.7	≥ 120
MTU 12V400 GS	B3042 Z7	350	816	772 (356)	---	3248	36.8	85.7	≥ 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 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 planning installation.

Genset Type

MTU 6R400 GS (L8)

MTU 6R400 GS (Z8)

MTU 12V400 GS (Z7)

Dimensions Genset (L x W x H)

133 x 69 x 83 in

155 x 67 x 84 in

Cogeneration module (L x W x H)

145 x 74 x 85 in

145 x 74 x 85 in

150 x 72 x 89 in

ENGINE DATA

3066

Configuration	in-line
No. of cylinders	6
Bore/Stroke	130/155 mm (5.12/6.10 in)
Cyl. displacement	2.06 lit. (126 cu in)
Rated speed	1800 rpm

3042

Configuration	90°V
No. of cylinders	12
Bore/Stroke	130/142 mm (5.12/5.59 in)
Cyl. displacement	1.88 lit. (115 cu in)
Rated speed	1800 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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