

GAS SYSTEM

SERIES 400 NATURAL GAS

480V / 60 Hz
 NOx < 500 mg/Nm³



SYSTEM RATINGS

Gas genset with optional heat recovery
 (90°/70°C heating water circuit)

Genset Type	Engine Type	Output				Energy input ⁴⁾ kW	Efficiency		Methane number ⁵⁾
		Elect. ¹⁾	Therm. ²⁾	Exhaust ³⁾	Low Temp.		Electr.	Total	
		kW _{el.}	kW _{th.}	kW _{th.} (°C)	kW _{th.} (°C)		η _{el.} (%)	η _{tot.} (%)	
MTU 6R400 GS*	E3066 D3*	128	120	94 (110)	---	376	34.0	90.9	≥ 70
MTU 12V400 GS*	E3042 D3*	248	254	169 (120)	---	731	33.9	91.8	≥ 70
MTU 12V400 GS	E3042 Z6	358	257	268 (120)	---	981	36.5	90.0	≥ 70

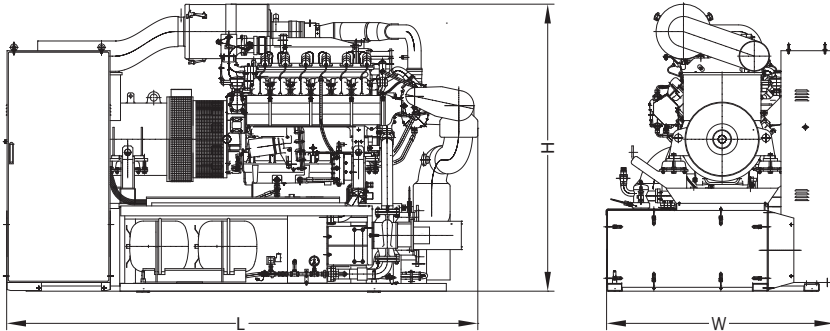
* λ = 1 with 3-Way-Catalyst, NOx < 250 mg/Nm³

- 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 110°C or 120°C) 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 6R400 GS (D3)
 MTU 12V400 GS (D3)
 MTU 12V400 GS (Z6)

Dimensions Genset (L x W x H)

 3940 x 1690 x 2130 mm

Cogeneration module (L x W x H)

3650 x 960 x 1875 mm
 3680 x 1830 x 2220 mm
 3820 x 1840 x 2260 mm

ENGINE DATA

3066

Configuration	in-line
No. of cylinders	6
Bore/Stroke	130/155 mm
Cyl. displacement	2.06 lit.
Rated speed	1800 rpm

3042

Configuration	90°V
No. of cylinders	12
Bore/Stroke	130/142 mm
Cyl. displacement	1.88 lit.
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.

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