

# GAS SYSTEM

## SERIES 4000 NATURAL GAS

50 Hz\*



### SYSTEM RATINGS

#### Natural Gas without Heat Utilisation

MTU Onsite Energy Type	Former Genset Type	Output			Energy Total kW	Efficiency		Methane Number	Dimensions (L x W x H) mm
		Electr. Therm. <sup>1)</sup> Low Temp.				Electr. $\eta_{el.}$ (%)	Total <sup>2)</sup> $\eta_{tot.}$ (%)		
		kW <sub>el.</sub>	kW <sub>th.</sub>	kW <sub>th.</sub> (°C)					
GB 772 N5	AoE 8V 4000	772	410	53 (40)	1869	41,3	63,2	≥ 70	4000x1700x2400
GB 1166 N5	AoE 12V 4000	1166	610	71 (40)	2824	41,3	62,9	≥ 70	4450x1700x2400
GB 1562 N5	AoE 16V 4000	1562	829	111 (40)	3764	41,5	63,2	≥ 70	5300x1700x2600
GB 1948 N5	AoE 20V 4000	1948	1021	134 (40)	4717	41,3	62,9	≥ 70	5900x1600x2600

#### Natural Gas incl. Heat Utilisation without Exhaust Gas Heat

MTU Onsite Energy Type	Former CHP Type	Output			Energy Total kW	Efficiency		Methane Number	Dimensions (L x W x H) mm
		Elec. Therm. <sup>1)</sup> Low Temp.				Electr. $\eta_{el.}$ (%)	Total <sup>2)</sup> $\eta_{tot.}$ (%)		
		kW <sub>el.</sub>	kW <sub>th.</sub>	kW <sub>th.</sub> (°C)					
GR 772 N5	AE 8V 4000	772	410	53 (40)	1869	41,3	63,2	≥ 70	5500x1800x2400
GR 1166 N5	AE 12V 4000	1166	610	71 (40)	2821	41,3	63,0	≥ 70	6000x1800x2400
GR 1562 N5	AE 16V 4000	1562	829	111 (40)	3745	41,7	63,8	≥ 70	6800x1800x2600
GR 1948 N5	AE 20V 4000	1948	1021	134 (40)	4717	41,3	62,9	≥ 70	7820x1920x2600

#### Natural Gas incl. Heat Utilisation and Exhaust Gas Heat

MTU Onsite Energy Type	Former CHP Type	Output			Energy Total kW	Efficiency		Methane Number	Dimensions (L x W x H) mm
		Elec. Therm. <sup>3)</sup> Low Temp.				Electr. $\eta_{el.}$ (%)	Total <sup>2)</sup> $\eta_{tot.}$ (%)		
		kW <sub>el.</sub>	kW <sub>th.</sub>	kW <sub>th.</sub> (°C)					
GC 772 N5	AE 8V 4000	772	861	53 (40)	1869	41,3	87,4	≥ 70	5500x1800x2400
GC 1166 N5	AE 12V 4000	1166	1272	71 (40)	2821	41,3	86,4	≥ 70	6000x1800x2400
GC 1562 N5	AE 16V 4000	1562	1700	111 (40)	3745	41,7	87,1	≥ 70	6800x1800x2600
GC 1948 N5	AE 20V 4000	1948	2154	134 (40)	4717	41,3	87,0	≥ 70	7820x1920x2600

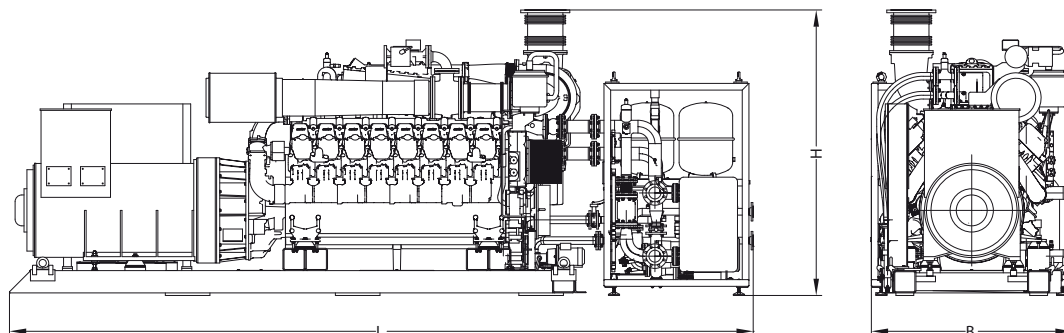
\* 60 Hz on request

1) from heat exchange water

2) relating to high temperature data

3) from heat exchange water and exhaust gas heat

## DRAWINGS AND DIMENSIONS



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

## ENGINE DATA

### 4000

Configuration	90° V
No. of cylinders	8/12/16/20
Bore/Stroke	170/210 mm
Cyl. displacement	4.77 lit.

## DESIGN AND EQUIPMENT (EXTRACT)

- // Sliding gear starter 24V, 2 x 9 kW
- // Flexible coupling, interconnecting bell housing, service opening so that replacement of the rubber element can be achieved without displacing engine or generator
- // Gas supply through venturi air-gas mixer with electronically controlled gas metering valve
- // Components of the gas regulation line approved per Directive for Gas Components 90/356/EWG
- // 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
- // Oil sump, removable without lifting the engine

Performance data in accordance with ISO 3046.

Data for site operating conditions other than those mentioned, on request.

Materials and specifications subject to change without notice due to technical advances.

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