



MTU series

Gas genset with optional heat recovery

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)		n _{el.} (%)	n _{tot.} (%)	
MTU 8V4000 GS	L33	776	401	422 (120)	47 (40)	1832	42.4	87.3	≥ 70
MTU 8V4000 GS	L33	854	443	448 (120)	49 (40)	1993	42.8	87.5	≥ 80
MTU 8V4000 GS	L64	1012	475	461 (120)	69 (43)	2298	44.0	84.8	≥ 80
MTU 12V4000 GS	L33	1199	616	636 (120)	82 (40)	2795	42.9	87.7	≥ 80
MTU 12V4000 GS	L64	1523	712	691 (120)	104 (43)	3438	44.3	85.1	≥ 80
MTU 16V4000 GS	L33	1718	974	821 (120)	113 (40)	3991	43.0	88.0	≥ 80
MTU 16V4000 GS	L64	1999	952	930 (120)	125 (43)	4519	44.2	85.9	≥ 80
MTU 16V4000 GS	L64	2028	965	936 (120)	127 (43)	4573	44.3	85.9	≥ 80
MTU 20V4000 GS	L33	2145	1161	1078 (120)	142 (40)	4990	43.0	87.9	≥ 80
MTU 20V4000 GS	L64	2530	1200	1147 (120)	175 (43)	5748	44.1	84.8	≥ 80

hot ambient conditions

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		Elect. ¹⁾	Therm. ²⁾	Exhaust ³⁾	Low Temp.		Electr.	Total	
		kW _{el.}	kW _{th.}	kW _{th.} (°C)	kW _{th.} (°C)		n _{el.} (%)	n _{tot.} (%)	
MTU 8V4000 GS	L776	32	446	420 (120)	32 (53)	1853	41.9	88.6	≥ 80
MTU 12V4000 GS	L1169	32	632	638 (120)	43 (53)	2747	42.5	88.8	≥ 80
MTU 16V4000 GS	L1560	32	863	805 (120)	76 (53)	3651	42.7	88.4	≥ 80
MTU 20V4000 GS	L1948	32	1035	1101 (120)	78 (53)	4577	42.6	89.2	≥ 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 °120C) with tolerance of ± %8
- 4) Performance data in accordance with ISO 3046/12002- 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