



MAN Gas Engines
Operation on natural gas
Overview for 250 ppm NO_x

gas type	engine	Pmech	rpm	MT	IT	λ	ETC in	ETC out	ETC in reduc.*
natural	E0836LE202	110 kW	1500	50 °C	17°	1,60	560 °C	450 °C	600 °C
natural	E0836LE202	110 kW	1500	80 °C	13°	1,60	580 °C	460 °C	600 °C
natural	E0836LE202	110 kW	1800	50 °C	17°	1,60	580 °C	450 °C	620 °C
natural	E0836LE202	110 kW	1800	80 °C	17°	1,60	580 °C	450 °C	620 °C
natural	E2876LE302	210 kW	1500	50 °C	16°	1,60	690 °C	510 °C	700 °C
natural	E2876LE302	210 kW	1500	80 °C	12°	1,60	710 °C	530 °C	715 °C
natural	E2876LE302	210 kW	1800	50 °C	18°	1,60	715 °C	530 °C	720 °C
natural	E2848LE322	265 kW	1500	50 °C	16°	1,60	630 °C	450 °C	700 °C
natural	E2848LE322	250 kW	1500	80 °C	10°	1,60	670 °C	470 °C	700 °C
natural	E2848LE322	295 kW	1800	50 °C	18°	1,60	660 °C	470 °C	700 °C
natural	E2842LE312	400 kW	1500	50 °C	16°	1,60	680 °C	480 °C	700 °C
natural	E2842LE312	360 kW	1500	80 °C	14°	1,60	690 °C	480 °C	700 °C
natural	E2842LE312	420 kW	1800	50 °C	18°	1,60	700 °C	500 °C	710 °C
natural	E2842LE312	400 kW	1800	80 °C	14°	1,60	710 °C	500 °C	715 °C
natural	E2842LE322	420 kW	1500	50 °C	10°	1,60	640 °C	440 °C	700 °C
natural	E2842LE322	380 kW	1500	80 °C	10°	1,63	625 °C	440 °C	700 °C
natural	E2842LE322	420 kW	1800	50 °C					700 °C
natural	E2842LE322	380 kW	1800	80 °C					700 °C

Not available at this time

Attention : Temperatures over 720°C damage the watercooled exhaust turbocharger!

MT = mixture temperature, ETC = exhaust turbocharger, ETC in reduc. = reduction of power output at this temperature

The technical data are based on natural gas with a calorific value of 10 kWh/Nm³ and a methane no. > 80

The ISO standard rating indicated is based on standard conditions acc to DIN ISO 3046 - 1

Technical data are subject to alterations.



**MAN Gas Engines
Operation on biogas
Overview for 250 ppm NO_x**

Seite 1
02 / 08

gas type	engine	P _{mech}	rpm	MT	IT	λ	ETC in	ETC out	ETC in reduc.*
biogas	E0836LE202	110 kW	1500	50 °C	16°	1,40	600 °C	470 °C	630 °C
biogas	E0836LE202	110 kW	1800	50 °C	16°	1,40	620 °C	490 °C	640 °C
biogas	E2876TE302	130 kW	1500	-	15°	1,40	570 °C	440 °C	600 °C
biogas	E2876TE302	130 kW	1800	-	16°	1,40	580 °C	450 °C	610 °C
biogas	E2876LE302	200 kW	1500	50 °C	20°	1,41	700 °C	520 °C	710 °C
biogas	E2876LE302	200 kW	1800	50 °C	24°	1,41	710 °C	530 °C	715 °C
biogas	E2848LE322	265 kW	1500	50 °C	20°	1,45	640 °C	480 °C	700 °C
biogas	E2848LE322	265 kW	1800	50 °C	20°	1,45	660 °C	490 °C	700 °C
biogas	E2842LE312	360 kW	1500	50 °C	20°	1,50	700 °C	500 °C	710 °C
biogas	E2842LE312	360 kW	1800	50 °C	20°	1,50	710 °C	510 °C	715 °C
biogas	E2842LE322	380 kW	1500	50 °C	18°	1,47	660 °C	480 °C	700 °C
biogas	E2842LE322	380 kW	1800	50 °C	16°	1,49	680 °C	500 °C	700 °C

Attention : Temperatures over 720°C damage the watercooled exhaust turbocharger!

MT = mixture temperature, ETC = exhaust turbocharger, ETC in reduc. = reduction of power output at this temperature

The technical data are based on biogas with a calorific value of 6 kWh/Nm³ and a methane no. > 120

The ISO standard rating indicated is based on standard conditions acc to DIN ISO 3046 - 1

Technical data are subject to alterations.