Natural Gas CHP Range Guide 2017 U.S.A.

Product Reference		Electrical Output kW_e	Engine Manufacturer	Engine Type	Aspiration Type	Output Jacket Water BTU/min	Output Exhaust Gas BTU/min	Total Heat Output BTU/min	Fuel Input (LHV) BTU/min	Fuel Input (HHV) BTU/min	Max Return Operating Temp °F	Steam Option @15psig lb/hr	Chiller Option Tons	Electrical Efficiency (LHV) %	Overall Unit Efficiency (LHV) %
ENER-G	ER80	79	MAN	E 0836 E 302	N	3948	3085	7033	13088	14532	176	N/A	N/A	34.1	87.8
ENER-G	ER160UL	158	MAN	E 2876 E 312	N	8154	5430	13584	25044	27808	176	N/A	N/A	35.9	90.1
ENER-G	ER265UL	263	MAN[1]	E 2842 E 312	N	14670	8737	23407	42338	47012	176	N/A	N/A	35.3	90.6
ENER-G	ERM380GM	380	Mitsubishi[1]	GS6R2-PTK	TC/IC	9633	9824	19456	52053	57800	170	489	50 - 80	41.5	78.9
ENER-G	ER385	380	MAN	E 2842 LE 332	TC/IC	15379	13631	29010	57664	64029	176	N/A	N/A	37.5	87.8
ENER-G	ER555	557	MAN	E 3262 LE 202	TC/IC	22264	19279	41543	83293	92488	170	924	90 - 150	37.8	87.7
ENER-G	ERM600GM	610	Mitsubishi[1]	GS12R-PTK	TC/IC	15262	14881	30143	84199	93494	170	804	80 - 110	41.2	77.0
ENER-G	ER760F	762	MTU[2]	GB762N6	2 Stage -TC/IC	23333	24250	47583	105350	116980	170	1071	125 - 185	41.2	86.3
ENER-G	ERM815GM	818	Mitsubishi[1]	GS16R-PTK	TC/IC	20337	19857	40194	111953	124312	170	1061	120 - 155	41.5	77.5
ENER-G	ER840F	840	MTU[2]	GB840N6	2 Stage -TC/IC	25733	25783	51517	114633	127288	170	1132	135 - 200	41.7	86.6
ENER-G	ERM1000GM	1003	Mitsubishi[1]	GS16R2-PTK	TC/IC	19178	28740	47918	136403	151460	170	1449	135 - 225	41.8	76.9
ENER-G	ER1160F	1162	MTU[2]	GB1162N6	2 Stage -TC/IC	34833	36083	70917	157033	174368	170	1580	185 - 275	42.1	87.3
ENER-G	ERM1200GM	1214	Mitsubishi[1]	GS16R2-PTK	TC/IC	19513	34561	54073	158114	175568	170	1729	155 - 210	43.6	77.8
ENER-G	ER1280F	1267	MTU[2]	GB1267N6	2 Stage -TC/IC	38583	37850	76433	171050	189932	170	1871	200 - 295	42.2	86.9
ENER-G	ERM1500GM2	1507	Mitsubishi[1]	GS16R2-PTK	2 Stage -TC/IC	41783	41781	83564	202461	224811	170	1878	250 - 330	42.3	83.6
ENER-G	ER1540F	1542	MTU[2]	GB1542N6	2 Stage -TC/IC	51450	44683	96133	209867	233034	170	1992	250 - 370	41.8	87.6
ENER-G	ER1700F	1697	MTU[2]	GB1697N6	2 Stage -TC/IC	56633	47183	103816	229500	254834	170	2363	335 - 490	42.1	87.3
ENER-G	ER1930F	1932	MTU[2]	GB1932N6	2 Stage -TC/IC	61017	58450	119467	262233	291181	170	2635	320 - 460	41.9	87.5
ENER-G	ER2120F	2129	MTU[2]	GB2129N6	2 Stage -TC/IC	67333	61933	129266	286650	318293	170	3141	425 - 610	42.3	87.4

Contact us on:

+1 201 438 0111

chp@energ-rudox.com

Need technical help while specifying a cogeneration system?

ENER-G Rudox has all the resource and support you need. We have an extensive range of information that can help you when it comes to sizing and specifying a Combined Heat and Power system.

[1] USEPA Certified for continuous use. || [2] Results at 1.0PF(Unity), All other units 0.95 PF

NB: Output figures are based on operation at ISO 3046 conditions with the exception of exhaust output, which is quoted to 248°F, figures are stated from manufacturer's declared performance figures subject to the manufacturer's tolerances and subject to change without notice. Output figures may vary under different operating regimes and site specific characteristics. As such figures are shown for guidance only. Units built for 480V, 60Hz, 3 Phase operation. Overall unit efficiencies are based on the lower heating value fuel input and generator efficiency at 1.0 power factor. Values for de rated units are estimates only. Generator efficiencies are taken from the manufacturer's graph at 0.95 power factor, electrical outputs are based on these efficiencies. Please refer to ER for performance at other return operating temperatures.