

Natural Gas CHP Range Guide 2017 Canada



Product Reference	Electrical Output kW _e	Engine Manufacturer	Engine Type	Aspiration Type	Output Brake kW _b	Output Jacket Water kW _{th}	Output Exhaust Gas kW _{th}	Total Heat Output kW _{th}	Fuel Input (LHV) kW	Fuel Input (HHV) kW	Max Return Operating Temp °C	Generator Type	Generator Efficiency %	Overall Unit Efficiency (LHV) %
ENER-G 80F	80	MAN	E 0836 E 302	Natural	85	70	55	125	234	259	80	UCI274E-311	94.2	87.8
ENER-G 160F	162	MAN	E 2876 E 312	Natural	170	145	98	243	449	497	80	UCI274H-311	95.1	90.2
ENER-G 265F	268	MAN	E 2842 E 312	Natural	280	260	156	416	754	834	80	HCI444E-311	95.5	90.7
ENER-G 385F	385	MAN	E 2842 LE 332	Turbocharged	400	218	242	513	1021	1129	80	HCI544D-311	96.0	87.9
ENER-G 555F	559	MAN	E 3262 LE 202	Turbocharged	580	294	339	731	1465	1620	80	HCI634H-311	96.2	88.0

NB: Output figures are based on operation at ISO 3046 conditions with the exception of exhaust output, which is quoted to 120°C, 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 net fuel input (LHV) 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 ENER-G for performance at other return operating temperatures. Datasheet Issue Date 02/09/2016