

# Biogas U.K. Range Guide 2020

Product Reference	Electrical Output	Engine Manufacturer	Engine Type	Aspiration Type	Output Brake	Output Jacket Water	Output Exhaust Gas	Total Heat Output	Fuel Input (LHV)	Fuel Input (HHV)	Max Return Operating Temp	Generator Type	Generator Efficiency	Overall Unit Efficiency (LHV)
	kW <sub>e</sub>				kW <sub>b</sub>	kW <sub>th</sub>	kW <sub>th</sub>	kW <sub>th</sub>	kW	kW	°C		%	%
ENER-G 80B	81	ENER-G	EGE-06L	Natural	85	85	47	132	250	277	80	UCI274H-311	94.8	85.0
ENER-G 100B	100	ENER-G	EGE-08V	Natural	105	94	57	152	311	344	80	UCI274H-311	95.0	81.0
ENER-G 100MB	105	MAN	E 0836 LE 202	Turbocharged	110	68	49	125	274	303	80	UCI274H-311	95.0	83.8
ENER-G 150B	151	ENER-G	EGE-12V	Natural	159	131	83	214	450	498	80	UCDI274K-311	94.7	81.2
ENER-G 150MB	150	MAN	E 2876 LE 302	Turbocharged	157	84	84	181	391	433	80	HCI444E-311	95.4	84.7
ENER-G 190MB	192	MAN	E 2876 LE 302	Turbocharged	200	98	110	225	493	545	80	HCI444E-311	95.5	84.4
ENER-G 200MB	205	MAN	E 2876 LE 202	Turbocharged	215	101	113	227	533	589	80	HCI444E-311	95.5	81.2
ENER-G 249MB	249	MAN	E 2848 LE 322	Turbocharged	260	149	124	296	646	714	80	HCI534C-311	95.9	84.3
ENER-G 250MB	251	MAN	E 2848 LE 322	Turbocharged	262	150	125	297	650	719	80	HCI534C-311	95.9	84.3
ENER-G 310B	309	Perkins	4006-23 TRS1	Turbocharged	322	149	181	330	831	919	80	HCI544C-311	95.8	77.0
ENER-G 360MB	366	MAN	E 2842 LE 322	Turbocharged	380	205	190	435	946	1046	80	HCI544D-311	96.0	84.7
ENER-G 375B	376	Perkins	4006-23 TRS2	Turbocharged	391	162	208	370	984	1088	80	HCI544D-311	96.0	75.9
ENER-G 425B	431	Perkins	4008-30 TRS1	Turbocharged	447	192	250	442	1131	1251	80	HCI544E-311	96.3	77.2
ENER-G 499B	499	Perkins	4008-30 TRS2	Turbocharged	519	209	276	485	1296	1433	80	HCI634G-311	96.1	75.9
ENER-G 499MB	500	MAN	E 3262 LE 212	Turbocharged	518	250	237	547	1258	1392	80	HCI634H-311	96.4	83.2
ENER-G 500B	507	Perkins	4008-30 TRS2	Turbocharged	526	211	279	490	1312	1451	80	HCI634G-311	96.1	76.0
ENER-G 530MB	532	MAN	E 3262 LE 212	Turbocharged	550	257	246	567	1329	1470	80	HCI634H-311	96.5	82.7

NB: Output figures are based on operation at ISO 3046 conditions with the exception of exhaust output, which is quoted to 180°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 400V, 50Hz, 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.

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T: +44 161 745 7450

Edison House

Datasheet Revision

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F: +44 161 745 7457

2 Daniel Adamson Road, Salford

Database Revision

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[www.centricabusinesssolutions.com](http://www.centricabusinesssolutions.com)

Manchester, M50 1DT, UK