

Natural Gas U.S. Range Guide 2017

Product Reference	Engine	Model	RPM	Electrical Output	Thermal Output Jacket	Thermal Output Exhaust	Thermal Output Total	Steam Boiler Output @ 15psig	Absorption Chiller Output	Fuel Input LHV	Electrical Efficiency	Thermal Efficiency	Total Efficiency	Maximum Client Supply Temp	Maximum Client Heating Return Temp
				kW _e	MMBtu/h	MMBtu/h	MMBtu/h	lbs/h	Tons	MMBtu/h	LHV	LHV	LHV	°F	°F
MEG 50NM	MAN	E 0834 E 312	1800	49	0.149	0.094	0.243	84	14.2	0.514	32.6%	47.4%	79.9%	190	170
MEG 60NM	MAN	E 0834 E 302	1800	58	0.174	0.138	0.312	115	18.2	0.580	34.1%	53.7%	87.8%	190	170
MEG 80NM	MAN	E 0836 E 302	1800	80	0.238	0.188	0.426	160	24.9	0.795	34.3%	53.6%	88.0%	190	170
MEG 150NM	MAN	E 2676 E 302	1800	152	0.415	0.353	0.768	272	44.8	1.403	37.0%	54.8%	91.7%	190	170
MEG 240NM	MAN	E 2676 LE 202	1800	240	0.501	0.504	1.005	483	67.0	2.156	38.0%	46.6%	84.6%	190	170
MEG 285NM	MAN	E 3262 E 302	1800	285	0.815	0.635	1.450	510	96.6	2.636	36.9%	55.0%	91.9%	190	170
MEG 335NS	SIEMENS	SGE-18SL	1800	335	0.829	0.551	1.380	437	92.0	3.071	37.2%	44.9%	82.2%	190	170
MEG 435NS	SIEMENS	SGE-24SL	1800	435	1.297	0.688	1.984	552	132.3	4.122	36.0%	48.1%	84.1%	190	170
MEG 500NS	SIEMENS	SGE-24HM	1800	501	0.710	0.961	1.671	812	111.4	4.214	40.6%	39.6%	80.2%	190	170
MEG 560NM	MAN	E 3262 LE 202	1800	559	1.381	0.924	2.305	735	153.7	4.883	39.1%	47.2%	86.3%	190	170
MEG 675NS	SIEMENS	SGE-36SL	1800	674	2.003	1.066	3.069	843	204.6	6.129	37.5%	50.1%	87.6%	190	170
MEG 725NS	SIEMENS	SGE-48SR	1800	724	2.880	1.563	4.443	1398	296.2	7.780	31.8%	57.1%	88.9%	190	170
MEG 765NS	SIEMENS	SGE-56SL	1200	766	2.266	1.016	3.282	772	218.8	6.671	39.2%	49.2%	88.4%	190	170
MEG 840NS	SIEMENS	SGE-56SR	1800	841	2.945	1.812	4.757	1627	317.1	8.623	33.3%	55.2%	88.4%	190	170
MEG 875NS	SIEMENS	SGE-48SL	1800	876	2.798	1.537	4.335	1924	289.0	8.258	36.2%	52.5%	88.7%	190	170
MEG 1005NS	SIEMENS	SGE-42HM	1800	1007	1.999	1.767	3.767	1469	251.1	8.346	41.2%	45.1%	86.3%	190	170
MEG 1030NS	SIEMENS	SGE-56SL	1800	1033	3.084	1.905	4.989	1565	332.6	9.599	36.7%	52.0%	88.7%	190	170
MEG 1305NS	SIEMENS	SGE-56HM	1800	1308	2.447	2.414	4.861	2024	324.1	10.811	41.3%	45.0%	86.2%	190	170
MEG 2000NS	SIEMENS	SGE-100EM	1200	2007	3.139	3.022	6.161	2319	410.7	15.160	45.2%	40.6%	85.8%	190	170

*All figures relate to 480V, 3 Phase, 60 Hz generation and are indicative, please refer to our technical department for specific project performance data.

* Figures based on 1.0 g/BHP-h NOx

* Output figures are based on ISO3046. Fuel consumption figures are based on Fuel calorific value of gas 1020 BTU/scf. Output figures may vary under different operating regimes and site-specific characteristics. Overall unit efficiency figures are based on the net (LHV) fuel consumption and generator efficiencies at unity power factor. Generator efficiency's are taken from the manufacturers graph at 1.0 power factor, electrical outputs are based on these efficiencies.

Datasheet Issue Date	11/21/2017
Datasheet Revision	1