

Cogenco Cogeneration Units 50 Hz Range on Natural Gas (LHV)



Module Type	Performance			Efficiency		
	Elect kW	Therm kW	Input kW	Elect %	Therm %	Total %
C30eNG	30	65	115	26.1	56.5	82.6
C30iNG	28	65	112	25.0	58.0	83.0
C65eNG	65	120	224	29.0	53.6	82.6
CGC-0105MA-070-NG-50	105	133	282	37.2	47.2	84.4
CGC-0140MA-080-NG-50	140	203	391	35.8	51.9	87.7
CGC-0200MA-080-NG-50	200	233	538	37.2	43.3	80.1
CGC-0238MA-080-NG-50	238	359	667	35.7	53.8	89.5
CGC-0250MA-080-NG-50	250	321	680	36.8	47.2	87.1
CGC-0280MA-080-NG-50	280	384	776	36.1	49.5	85.6
CGC-0286GU-080-NG-50	286	334	802	35.7	41.6	89.4
CGC-0300GU-075-NG-50	300	438	820	36.6	53.4	90.0
CGC-0300GU-080-NG-50	300	339	801	36.4	44.5	89.7
CGC-0307PE-080-NG-50	307	357	820	37.4	43.5	81.0
CGC-0342MA-070-NG-50	342	472	935	36.6	50.5	87.0
CGC-0342MA-080-NG-50	342	422	939	36.6	45.1	81.7
CGC-0375PE-080-NG-50	375	401	978	38.3	41.0	79.3
CGC-0380MA-080-NG-50	380	500	1026	37.0	48.7	85.8
CGC-0382GU-080-NG-50	382	448	1077	35.5	41.6	89.7
CGC-0400GU-075-NG-50	400	613	1120	37.5	54.7	90.4
CGC-0400GU-075-NG-50	400	613	1120	35.7	54.7	95.5
CGC-0400GU-080-NG-50	400	465	1085	36.9	42.9	90.0
CGC-0400GU-110-NG-50	400	451	1085	36.9	41.6	90.3
CGC-0425PE-080-NG-50	425	468	1119	38.0	41.8	79.8
CGC-0425PE-080-NG-50	425	551	1174	36.2	46.9	89.2
CGC-0425PE-080-NG-50	425	468	1119	38.0	41.8	85.8
CGC-0490CT-080-NG-50	490	679	1340	36.6	50.7	90.0
CGC-0501PE-080-NG-50	501	518	1298	38.6	39.9	85.4
CGC-0571GU-080-NG-50	571	739	1610	35.5	45.9	89.7

Module Type	Performance			Efficiency		
	Elect kW	Therm kW	Input kW	Elect %	Therm	Total %
CGC-0600GU-080-NG-50	600	750	1617	37.1	46.4	89.9
CGC-0600GU-110-NG-50	600	683	1640	36.6	41.6	89.6
CGC-0725CT-080-NG-50	725	1019	2059	35.2	49.5	89.2
CGC-0725CT-114-NG-50	725	893	2101	34.5	42.5	86.0
CGC-0764GU-080-NG-50	764	994	2149	35.6	46.3	90.1
CGC-0800GU-075-NG-50	800	1223	2230	35.9	54.8	90.7
CGC-0800GU-080-NG-50	800	1008	2160	37.0	46.7	90.2
CGC-0800GU-110-NG-50	800	906	2175	36.8	41.7	90.2
CGC-0895GU-080-NG-50	895	1182	2532	35.3	46.7	90.1
CGC-0895GU-080-NG-50	895	1246	2540	35.2	49.1	90.5
CGC-0938GU-080-NG-50	938	1190	2530	37.1	47.0	90.3
CGC-0975CT-080-NG-50	975	1293	2747	35.5	47.1	88.0
CGC-0975CT-114-NG-50	975	1042	2766	35.2	37.7	83.0
CGC-1000GU-080-NG-50	1000	1357	2695	37.1	50.4	87.5
CGC-1160CS-080-NG-50	1160	1442	2974	39.0	48.5	87.5
CGC-1379CS-080-NG-50	1379	1475	3616	38.1	40.8	78.9
CGC-1379CS-097-NG-50	1379	1365	3593	38.4	38.0	76.4
CGC-1400CS-080-NG-50	1400	1420	3307	42.3	42.9	85.3
CGC-1547CS-080-NG-50	1547	1629	4027	38.4	40.5	78.9
CGC-1566CS-080-NG-50	1566	1647	4051	38.7	40.7	79.3
CGC-1566CS-097-NG-50	1566	1536	4030	38.9	38.1	77.0
CGC-1600CT-080-NG-50	1600	1625	3901	41.0	41.7	86.0
CGC-1760CS-080-NG-50	1760	1821	4526	38.9	40.2	79.1
CGC-1760CS-097-NG-50	1760	1704	4498	39.1	37.9	77.0
CGC-2000CS-072-NG-50	2000	2248	4900	40.8	45.9	89.7

Performance

All figures based upon LHV UK Nat Gas
Tolerance on Energy Input +/- 5%
Tolerance on heat output +/- 7%
Tolerance on power output - 3%
Definitions of ratings ISO 3046

Equipment Included

Engine and generator
Heat recovery equipment
Cogenco control and monitoring panel
Mains power panel
Acoustic enclosure/container

Modules above CGC 0725 will be supplied ex works in 5 module sections for erection and connection at site.

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