



Baudouin PowerKit 50HZ LEAN BURN UNREGULATED ENGINES

50 Hz

Engine Models	Gross Engine Output		Typical Generator Output				Asp.	Fuel
	COP	PRP	COP		PRP			
	kWm (Gross)		kWe	kVA	kWe	kVA		
4M11G4N0/5	60	70	50	63	60	75	T/A-A	NG/Bio Gas
6M11G4N0/5	102	120	80	100	100	125	T/A-A	NG/Bio Gas
6M16G4N0/5	155	182	120	150	150	188	T/A-A	NG/Bio Gas
6M21G4N0/5	245	288	205	256	250	313	T/A-A	NG/Bio Gas
6M33G6N0/5	450	450	400	500	400	500	T/A-A	NG/Bio Gas
12M26G2N0/5	550	/	500	625	/	/	T/A-A	NG
12M33G10N0/5	900	900	800	1000	800	1000	T/A-W	NG
12M33G10B0/5	880	880	800	1000	800	1000	T/A-W	Bio Gas
16M33G6B0/5	1150	/	1000	1250	/	/	T/A-W	Bio Gas
16M33G6N0/5	1280	/	1100	1375	/	/	T/A-W	NG
12M55G6N0/5	1588	/	1400	1750	/	/	T/A-W	NG
20M55G6N0/5	3000	/	/	/	/	/	T/A-W	NG



50 HZ PSI RICH BURN ENGINES - NG

Engine Models	Gross Engine Output			Typical Generator Output			
	ESP	PRP	COP	ESP		PRP	
	kWm			kWe	kVA	kWe	kVA
2.4LNA	26	-	-	23	28	-	-
4.5LNA	44	44	31	40	50	40	50
4.3LNA	48	43	30	43	53	38	48
6.7LNA	57	57	40	50	62	50	62
5.7LNA	65	59	41	58	73	52	65
8.1LNA	74	67	47	65	82	59	74
8.8LNA	101	91	64	90	112	80	100
10NA	102	102	71	87	108	87	108
6.7LT	120	106	74	103	129	91	113
8.1LT	145	131	92	130	162	117	146
8.8LTCAC	162	-	-	149	187	-	-
8.8LTCAC HO	189	-	-	168	210	-	-
10LT	230	212	148	209	261	192	240
13LT	250	234	164	223	279	209	261
14LT	275	250	175	240	300	210	263
22LT	397	340	238	360	450	299	374
32LT	600	510	357	557	696	471	589
40LT	740	666	466	681	851	611	764
53LT	987	888	622	894	1117	800	1000



50 HZ PSI RICH BURN ENGINES - LPG

Engine Models	Gross Engine Output			Typical Generator Output			
	ESP	PRP	COP	ESP		PRP	
	kWm			kWe	kVA	kWe	kVA
2.4LNA	29	-	-	25	32	-	-
4.5LNA	47	47	33	43	53	43	53
4.3LNA	51	46	32	45	56	40	50
5.7LNA	70	63	44	63	79	57	71
6.7LNA	73	73	51	65	81	65	81
8.1LNA	74	67	47	65	82	59	74
6.7LT	100	100	70	85	106	85	106
8.1LT	102	92	64	90	113	81	102
10NA	111	111	78	95	119	95	119
8.8LNA	115	103	72	102	128	92	115
8.8LTCAC	143	-	-	132	164	-	-
13LT	151	151	106	130	162	130	162
10LT	162	162	113	144	180	144	180
14LT	170	155	109	150	188	130	163
22LT	276	235	165	240	300	202	252
32LT	405	344	241	364	455	307	384
40LT	487	438	307	441	551	394	493
53LT	744	670	469	663	829	593	741

Baudouin PowerKit 60HZ LEAN BURN UNREGULATED ENGINES

60 Hz

Engine Models	Gross Engine Output		Typical Generator Output				Asp.	Fuel
	COP	PRP	COP		PRP			
	kWm (Gross)		kWe	kVA	kWe	kVA		
4M11G4N0/6	60	70	55	69	60	75	T/A-A	NG/Bio Gas
6M11G4N0/6	102	120	80	100	100	125	T/A-A	NG/Bio Gas
6M16G4N0/6	184	216	145	181	180	225	T/A-A	NG/Bio Gas
6M21G4N0/6	245	288	205	256	250	313	T/A-A	NG/Bio Gas
6M33G6N0/6	480	480	400	500	400	500	T/A-A	NG/Bio Gas
12M26G2N0/6	600	/	550	688	/	/	T/A-A	NG
12M33G14N0/6	960	960	850	1063	850	1063	T/A-W	NG
12M33G14B0/6	960	960	850	1063	850	1063	T/A-W	Bio Gas
16M33G6B0/6	1150	/	1000	1250	/	/	T/A-W	Bio Gas
16M33G6N0/6	1280	/	1100	1375	/	/	T/A-W	NG



60 HZ PSI RICH BURN ENGINES - NG

Engine Models	Gross Engine Output			Typical Generator Output			
	ESP	PRP	COP	ESP		PRP	
	kWm			kWe	kVA	kWe	kVA
2.4LNA	32	-	-	27	34	-	-
4.5LNA	50	50	35	45	56	45	56
4.3LNA	58	52	37	50	63	45	56
5.7LNA	64	70	49	56	70	62	77
6.7LNA	66	66	46	57	71	57	71
8.1LNA	100	88	62	87	109	76	95
10NA	120	120	84	99	124	99	124
8.8LNA	121	109	76	106	132	95	118
5.7LTCAC	122	-	-	100	125	-	-
6.7LT	150	120	84	128	161	101	126
8.1LT	176	150	105	156	195	132	165
8.8LTCAC	195	-	-	179	224	-	-
8.8LTCAC HO	235	-	-	210	263	-	-
10LT	236	203	142	211	264	180	225
13LT	300	245	172	263	328	211	264
14LT	340	290	203	300	375	250	313
22LT	510	434	304	455	569	375	468
32LT	720	612	428	661	827	559	698
40LT	920	828	580	836	1045	749	936
53LT	1185	1067	747	1050	1312	938	1172



60 HZ PSI RICH BURN ENGINES - LPG

Engine Models	Gross Engine Output			Typical Generator Output			
	ESP	PRP	COP	ESP		PRP	
	kWm			kWe	kVA	kWe	kVA
2.4LNA	35	-	-	30	37	-	-
4.5LNA	49	49	34	44	55	44	55
4.3LNA	61	55	39	53	66	48	59
5.7LNA	84	75	53	75	94	67	83
6.7LNA	87	87	61	76	95	76	95
6.7LT	99	99	69	82	102	82	102
8.1LNA	100	88	62	87	109	76	95
5.7LTCAC	111	-	-	90	113	-	-
8.1LT	130	111	78	113	142	96	120
10NA	133	133	93	111	139	111	139
8.8LNA	138	124	87	121	152	109	136
10LT	168	168	118	146	183	146	183
8.8LTCAC	172	-	-	158	197	-	-
13LT	180	180	126	149	187	149	187
14LT	240	200	140	200	250	175	219
22LT	352	299	209	299	373	249	312
32LT	475	404	283	419	524	353	442
40LT	584	526	368	517	646	462	577
53LT	892	803	562	771	964	687	859

NOTES

- PowerKit scope of supply includes engine, standard radiator, air cleaner and electronic governor, unless specified.
- All ratings are based on operating conditions under ISO 8528-1, ISO 3046, DIN6271 and using typical fan sizes and drive ratios. Performance tolerance of ± 5%. Please refer to the specific engine datasheet for more information.
- Electrical outputs are based on typical alternator efficiency and are for guidance only. kVA Figures are calculated using 0.8 Power Factor.
- To identify the exact engine power output on Biogas, please contact the engineering team.

REMARKS

Models with B in their name are BIOGAS Engines.
T/A-A Turbocharged & air-to-air aftercooled.
T/A-W Turbocharged & air-to-water aftercooled.
* All the PSI engines are water cooled

DEFINITIONS

- COP**
Continuous Power is the maximum power available for an unlimited period of use at a constant load factor. No overload capability is allowed.
- PRP**
Prime Power is the maximum power available for unlimited hours of usage in a variable load application. The average load factor should not exceed 70% of the engine's PRP power rating during any 24 hour period. An overload capability of 10% is available, however, this is limited to 1 hour within every 12 hour period.
- DCP**
Data Centre Power is defined as being the maximum power which a generating set is capable of delivering while supplying a variable or continuous electrical load and during unlimited run hours. Depending on the sites to supply and the availability of reliable utility, the generating set manufacturer is responsible to define what power level he is able to supply that requirement including hardware or software or maintenance plan adaptation.
- ESP**
Emergency Standby Power is the maximum power available for a varying load for the duration of a main power network failure. The average load factor over 24 hours of operation should not exceed 70% of the engine's ESP power rating. Typical operational hours of the engine is 200 hours per year, with a maximum usage of 500 hours per year. This includes an annual maximum of 25 hours per year at the ESP power rating. No overload capability is allowed. The engine is not to be used for sustained utility paralleling applications.
- LTP**
Limited-Time Prime power is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 1000h of operation per year with the maintenance intervals and procedures being carried out as prescribed. The average load factor over 24 hours of operation should not exceed 70% of the engine's LTP power rating.