

**PowerKit**  
RATING CARD

DIESEL  
50 Hz

April 2025

Baudouin PowerKit  
**50HZ REGULATED ENGINES | from 18 - 4125 kVA**

50 Hz

Engine Model	Gross Engine Output		Typical Generator Output				Asp.	Gov.	Emission**
	PRP	ESP	PRP		ESP				
	kWm		kWe	kVA	kWe	kVA			
4M08G2D3/5	18	20	14	18	16	20	NA	ECU	EU Stage IIIA
4M08G4D3/5	25	28	20	25	22	28	NA	ECU	EU Stage IIIA
4M08G6D3/5	30	33	26	32	28	35	NA	ECU	EU Stage IIIA
4M08G8D3/5	33	36	28	35	30	38	NA	ECU	EU Stage IIIA
4M08G10D3/5	37	44	30	38	36	45	T	ECU	EU Stage IIIA
4M10G2D3/5	60	66	50	63	55	69	T	ECU	EU Stage IIIA
4M10G4D3/5	75	84	66	82	72	90	T/A-A	ECU	EU Stage IIIA
4M10G6D3/5	96	105	80	100	88	110	T/A-A	ECU	EU Stage IIIA
4M12G1D3/5	110	120	90	113	100	125	T/A-A	ECU	EU Stage IIIA
4M12G2D3/5	125	138	100	125	120	150	T/A-A	ECU	EU Stage IIIA
4M12G4D3/5	135	148	120	150	132	165	T/A-A	ECU	EU Stage IIIA
6M12G2D3/5	168	185	144	180	160	200	T/A-A	ECU	EU Stage IIIA
6M13G2D5/5	168	185	145	181	160	200	T/A-A	ECU	EU Stage V
6M12G4D3/5	196	216	160	200	176	220	T/A-A	ECU	EU Stage IIIA
6M13G4D5/5	196	216	160	200	180	225	T/A-A	ECU	EU Stage V
6M12G6D3/5	218	240	180	225	200	250	T/A-A	ECU	EU Stage IIIA
6M13G6D5/5	218	240	180	225	200	250	T/A-A	ECU	EU Stage V
6M13G8D5/5	235	264	200	250	220	275	T/A-A	ECU	EU Stage V
6M12G8D3/5	240	264	200	250	220	275	T/A-A	ECU	EU Stage IIIA
6M16G8D3/5	275	320	250	310	280	350	T/A-A	ECU	EU Stage IIIA
6M16G2D5/5	290	320	250	313	280	350	T/A-A	ECU	EU Stage V
6M21G0D5/5	300	325	250	313	280	350	T/A-A	ECU	EU Stage V
6M21G2D3/5	350	385	300	375	320	400	T/A-A	ECU	EU Stage IIIA
6M21G2D5/5	365	401	300	375	330	413	T/A-A	ECU	EU Stage V
6M21G4D3/5	368	405	320	400	352	440	T/A-A	ECU	EU Stage IIIA
6M21G6D3/5	392	450	344	430	400	500	T/A-A	ECU	EU Stage IIIA
6M21G4D5/5	410	450	350	438	400	500	T/A-A	ECU	EU Stage V
6M21G8D3/5	450	490	400	500	440	550	T/A-A	ECU	EU Stage IIIA
6M21G6D5/5	450	490	400	500	440	550	T/A-A	ECU	EU Stage V
8M21G5D3/5	530	580	480	600	528	660	T/A-A	ECU	EU Stage IIIA
6M33G2D5/5	575	633	500	625	550	688	T/A-A	ECU	EU Stage V
6M33G6D2/5^	575	633	500	625	580	725	T/A-A	ECU	EPA Tier2
6M33G8D2/5^	610	680	544	680	600	750	T/A-A	ECU	EPA Tier2
6M33G4D5/5	660	725	600	750	660	825	T/A-A	ECU	EU Stage V
8M33G2D2/5^	675	725	600	750	660	825	T/A-A	ECU	EPA Tier2
8M33G4D2/5^	730	800	640	800	720	900	T/A-A	ECU	EPA Tier2
8M33G6D2/5^	800	895	700	875	800	1000	T/A-A	ECU	EPA Tier2
12M33G4D2/5^	1108	1108	920	1150	1000	1250	T/A-A	ECU	EPA Tier2
12M33G2D5/5	1130	1240	1000	1250	1100	1375	T/A-A	ECU	EU Stage V
12M33G6D2/5^	1130	1240	1024	1275	1120	1400	T/A-A	ECU	EPA Tier2
12M33G8D2/5^	1200	1320	1100	1375	1200	1500	T/A-A	ECU	EPA Tier2
16M33G4D2/5^	1390	1530	1250	1563	1400	1750	T/A-W	ECU	EPA Tier2
16M33G6D2/5^	1530	1680	1400	1750	1520	1900	T/A-W	ECU	EPA Tier2
16M33G8D2/5^	1680	1800	1500	1875	1650	2063	T/A-W	ECU	EPA Tier2
20M33G2D2/5^	1850	2020	1600	2000	1800	2250	T/A-W	ECU	EPA Tier2
20M33G4D2/5^	2000	2210	1800	2250	2000	2500	T/A-W	ECU	EPA Tier2
12M55G8D2/5^	2200	2450	2000	2500	2200	2750	T/A-W	ECU	EPA Tier2
12M55G10D2/5^	2420	2700	2200	2750	2400	3000	T/A-W	ECU	EPA Tier2
16M55G2D2/5^	2500	2750	2250	2813	2500	3125	T/A-W	ECU	EPA Tier2
16M55G4D2/5^	2646	2900	2400	3000	2650	3313	T/A-W	ECU	EPA Tier2
16M55G6D2/5^	2900	3300	2600	3250	3000	3750	T/A-W	ECU	EPA Tier2
16M55G8D2/5^	3300	3600	3000	3750	3300	4125	T/A-W	ECU	EPA Tier2

\*PRP ratings are for reference purpose only.

\*\*Emission refers to either emission-certified engines or to engines with emission output values equivalent to the relevant legislation.

## 50 HZ UNREGULATED ENGINES | From 18 - 550 kVA

Engine Model	Gross Engine Output		Typical Generator Output				Asp.	Gov.
	PRP	ESP	PRP		ESP			
	kWm		kWe	kVA	kWe	kVA		
4M06GT20/5	18	20	15	18	16	20	NA	ELEC
4M06G2D0/5	18	20	15	18	16	20	NA	ELEC
4M06GT25/5	23	25	18	23	20	25	NA	ELEC
4M06G4D0/5	23	25	18	23	20	25	NA	ELEC
4M06GT35/5	30	33	26	32	28	35	T	ELEC
4M06G6D0/5	30	33	26	32	28	35	T	ELEC
4M06G8D0/5	37	41	32	40	35	44	T	ELEC
4M06G50/5	44	48	36	45	40	50	T/A-A	ELEC
4M06G10D0/5	48	53	40	50	44	55	T/A-A	ECU
4M10G2D0/5	60	66	50	63	56	70	T	ELEC
4M10G4D0/5	72	80	64	80	70	88	T	ELEC
4M10G6D0/5	96	106	80	100	88	110	T/A-A	ELEC
6M11G2D0/5	120	132	104	130	116	145	T/A-A	ELEC
6M11G150/5	128	140	108	135	120	150	T/A-A	ELEC
6M11G4D0/5	138	152	120	150	132	165	T/A-A	ELEC
6M16G2D0/5	187	204	160	200	176	220	T/A-A	ELEC
6M16G4D0/5	216	238	184	230	200	250	T/A-A	ELEC
6M16G6D0/5	240	264	200	250	220	275	T/A-A	ELEC
6M16G300/5	255	280	220	275	240	300	T/A-A	ELEC
6M16G350/5	291	320	256	320	280	350	T/A-A	ELEC
6M21G2D0/5	350	385	300	375	320	400	T/A-A	ELEC
6M21G440/5	368	405	320	400	352	440	T/A-A	ELEC
6M21G500/5	409	450	360	450	400	500	T/A-A	ECU
6M21G8D0/5	450	490	400	500	440	550	T/A-A	ECU

S stands for Switchable

## 50 HZ UNREGULATED ENGINES | From 600 - 4125 kVA

Engine Model	Gross Engine Output		Typical Generator Output				Asp.	Gov.
	PRP	ESP	PRP		ESP			
	kWm		kWe	kVA	kWe	kVA		
8M21G660/5	530	580	480	600	528	660	T/A-A	ECU
6M33G2D0/5	575	633	520	650	572	715	T/A-A	ELEC
6M33G750/5	610	670	544	680	600	750	T/A-A	ELEC
6M33G6D0/5	675	725	600	750	660	825	T/A-A	ECU
6M31G660/5	561	610	480	600	528	660	T/A-A	ECU
6M31G725/5	580	640	520	650	580	725	T/A-A	ECU
6M31G750/5	640	680	550	688	600	750	T/A-A	ECU
6M31G825/5	680	740	600	750	660	825	T/A-A	ECU
6M31G875/5	730	800	640	800	700	875	T/A-A	ECU
6M31G1000/5^	800	880	720	900	800	1000	T/A-A	ECU
12M26G900/5	725	793	652	815	720	900	T/A-A	ELEC
12M26G1000/5	820	902	720	900	800	1000	T/A-A	ELEC
12M26G2D0/5	880	968	800	1000	880	1100	T/A-A	ELEC
12M33G1250/5	1007	1108	920	1150	1000	1250	T/A-A	ELEC
12M33G1400/5	1100	1210	1000	1250	1120	1400	T/A-A	ELEC
12M33G1500/5	1200	1320	1100	1375	1200	1500	T/A-A	ELEC
12M33G1650/5	1350	1450	1200	1500	1320	1650	T/A-A	ECU
16M33G1900/5	1530	1680	1400	1750	1520	1900	T/A-W	ECU
16M33G2000/5	1680	1800	1500	1875	1650	2050	T/A-W	ECU
16M33G2250/5^	1800	1980	1650	2050	1800	2250	T/A-W	ECU
20M33G2250/5	1850	2020	1600	2000	1800	2250	T/A-W	ECU
20M33G2500/5	2010	2210	1800	2250	2000	2500	T/A-W	ECU
12M55G2550/5	1985	2210	1824	2280	2040	2550	T/A-W	ECU
12M55G2750/5	2200	2450	2000	2500	2200	2750	T/A-W	ECU
12M55G3000/5^	2420	2700	2200	2750	2400	3000	T/A-W	ECU
16M55G3000/5	2500	2750	2250	2813	2500	3125	T/A-W	ECU
16M55G3300/5	2646	2900	2400	3000	2650	3313	T/A-W	ECU
16M55G3750/5	2900	3300	2600	3250	3000	3750	T/A-W	ECU
16M55G4000/5^	3300	3600	3000	3750	3300	4125	T/A-W	ECU

For any Continuous operation(COP) ratings, please contact Baudouin Application Engineering team

### NOTES

- Above ratings are based on standardized available scope of supplies
- 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 & fan losses where applicable and are for guidance only. kVA figures are calculated using 0.8 Power Factor

### REMARKS

- ^ Designed for ESP applications. The indicated PRP Power is for reference only
- NA Naturally aspirated
- T Turbocharged
- T/A-A Turbocharged & air-to-air aftercooled
- T/A-W Turbocharged & air-to-water aftercooled
- /S Dual-speed operation available at 50Hz/60Hz

## 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.

### 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.

Société Internationale  
des Moteurs Baudouin,  
Technoparc du Brégadan,  
13260 Cassis, France.

