

MOTEURS Baudouin
A WEICHAI COMPANY

PowerKit
RATING CARD

DIESEL
50 Hz

UNREGULATED ENGINES | From 15 - 550 kVA

50 Hz

Engine Model	Gross Engine Output		Typical Generator Output				Aspiration	Governor
	PRP	ESP	PRP		ESP			
	kWm		kWe	kVA	kWe	kVA		
4M06G2D0/S	18	20	12	15	14	18	NA	ELEC
4M06G4D0/S	23	25	16	20	18	23	NA	ELEC
4M06G6D0/S	30	33	24	30	26	33	T	ELEC
4M06G8D0/S	37	41	32	40	35	44	T	ELEC
4M06G50/5	44	48	36	45	40	50	T/A-A	ELEC
4M06G10D0/S	48	53	40	50	44	55	T/A-A	ECU
4M10G2D0/S	60	66	50	63	56	70	T	ELEC
4M10G4D0/S	72	80	64	80	70	88	T	ELEC
4M10G6D0/S	96	106	80	100	88	110	T/A-A	ELEC
6M11G2D0/S	120	132	104	130	116	145	T/A-A	ELEC
6M11G150/5	128	140	108	135	120	150	T/A-A	ELEC
6M11G4D0/S	138	152	120	150	132	165	T/A-A	ELEC
6M16G2D0/S	187	204	160	200	176	220	T/A-A	ELEC
6M16G4D0/S	216	238	184	230	200	250	T/A-A	ELEC
6M16G6D0/S	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/S	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/S	450	490	400	500	440	550	T/A-A	ECU

UNREGULATED ENGINES | From 600 - 4125 kVA

Engine Model	Gross Engine Output		Typical Generator Output				Aspiration	Governor
	PRP	ESP	PRP		ESP			
	kWm		kWe	kVA	kWe	kVA		
8M21G660/5	530	580	480	600	528	660	T/A-A	ECU
6M33G1D0/S	575	633	520	650	572	715	T/A-A	ECU
6M33G750/5	610	670	544	680	600	750	T/A-A	ELEC
6M33G6D0/S	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
6M31G900/5	730	800	640	800	720	900	T/A-A	ECU
6M31G1000/5^	800	880	720	900	800	1000	T/A-A	ECU
8M33G900/5	730	800	640	800	720	900	T/A-A	ELEC
8M33G1000/5	815	890	720	900	800	1000	T/A-A	ELEC
8M33G1100/5	890	975	800	1000	880	1100	T/A-A	ECU
12M26G900/5	725	793	640	800	720	900	T/A-A	ELEC
12M26G1000/5	820	902	720	900	800	1000	T/A-A	ELEC
12M26G2D0/S	889	973	800	1000	880	1100	T/A-A	ELEC
12M33G1250/5	1007	1108	900	1125	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	1600	2000	T/A-W	ECU
16M33G2250/5^	1800	1980	1600	2000	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
20M33G2750/5^	2210	2450	2000	2500	2200	2750	T/A-W	ECU
12M55G2550/5	1985	2210	1800	2250	2000	2500	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 Opertation (COP) or Telecom rated engines, 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

Baudouin PowerKit

EU Stage V ENGINES | From 125 kVA - 1375 kVA

50 Hz

Engine Model	Gross Engine Output		Typical Generator Output				Aspiration	Governor
	PRP	ESP	PRP		ESP			
	kWm		kWe	kVA	kWe	kVA		
4M12G2D5/S	123	135	100	125	110	138	T/A-A	ECU
6M13G2D5/S	168	185	145	181	160	200	T/A-A	ECU
6M13G4D5/S	196	216	160	200	180	225	T/A-A	ECU
6M13G8D5/S	235	264	200	250	220	275	T/A-A	ECU
6M16G2D5/S	290	320	250	313	280	350	T/A-A	ECU
6M21G2D5/S	365	401	300	375	350	438	T/A-A	ECU
6M21G4D5/S	410	450	360	450	400	500	T/A-A	ECU
6M21G6D5/S	450	490	400	500	440	550	T/A-A	ECU
6M33G2D5/S	575	633	500	625	550	688	T/A-A	ECU
6M33G4D5/S	660	725	600	750	660	825	T/A-A	ECU
12M33G8D5/S	1130	1240	1000	1250	1100	1375	T/A-A	ECU

EU Stage IIIA ENGINES | From 18 kVA - 660 kVA

Engine Model	Gross Engine Output		Typical Generator Output				Aspiration	Governor
	PRP	ESP	PRP		ESP			
	kWm		kWe	kVA	kWe	kVA		
4M08G2D3/5	18	20	14	18	16	20	NA	ECU
4M08G4D3/5	25	28	20	25	22	28	NA	ECU
4M08G6D3/5	30	33	26	32	28	35	NA	ECU
4M08G8D3/5	33	36	28	35	30	38	NA	ECU
4M08G10D3/5	37	44	30	38	36	45	T	ECU
4M10G2D3/5	60	66	50	63	55	69	T/A-A	ECU
4M10G4D3/5	74,5	84	66	82	72	90	T/A-A	ECU
4M10G6D3/5	96	105	80	100	88	110	T/A-A	ECU
4M12G1D3/5	110	120	90	113	100	125	T/A-A	ECU
4M12G2D3/5	125	138	100	125	120	150	T/A-A	ECU
4M12G4D3/5	135	148	120	150	132	165	T/A-A	ECU
6M12G2D3/5	168	185	144	180	160	200	T/A-A	ECU
6M12G4D3/5	196	216	160	200	176	220	T/A-A	ECU
6M12G6D3/5	218	240	180	225	200	250	T/A-A	ECU
6M12G8D3/5	240	264	200	250	220	275	T/A-A	ECU
6M16G8D3/5	275	320	250	310	280	350	T/A-A	ECU
6M21G2D3/5	350	385	300	375	320	400	T/A-A	ECU
6M21G4D3/5	368	405	320	400	352	440	T/A-A	ECU
6M21G6D3/5	392	450	344	430	400	500	T/A-A	ECU
6M21G8D3/5	450	490	400	500	440	550	T/A-A	ECU
8M21G5D3/5	530	580	480	600	528	660	T/A-A	ECU

EPA T2 ENGINES | From 625 kVA - 4125 kVA

Engine Model	Gross Engine Output		Typical Generator Output				Aspiration	Governor
	PRP	ESP	PRP		ESP			
	kWm		kWe	kVA	kWe	kVA		
6M33G6D2/5^	575	633	500	625	580	725	T/A-A	ECU
6M33G8D2/5^	610	680	544	680	600	750	T/A-A	ECU
8M33G2D2/5^	675	725	600	750	660	825	T/A-A	ECU
8M33G4D2/5^	730	800	640	800	720	900	T/A-A	ECU
8M33G6D2/5^	800	895	700	875	800	1000	T/A-A	ECU
12M33G4D2/5^	1018	1108	920	1150	1000	1250	T/A-A	ECU
12M33G6D2/5^	1130	1240	1024	1275	1120	1400	T/A-A	ECU
12M33G8D2/5^	1200	1320	1100	1375	1200	1500	T/A-A	ECU
16M33G4D2/5^	1390	1530	1250	1563	1400	1750	T/A-W	ECU
16M33G6D2/5^	1530	1680	1400	1750	1520	1900	T/A-W	ECU
16M33G8D2/5^	1680	1800	1500	1875	1650	2063	T/A-W	ECU
20M33G2D2/5^	1850	2020	1600	2000	1800	2250	T/A-W	ECU
20M33G4D2/5^	2000	2210	1800	2250	2000	2500	T/A-W	ECU
20M33G6D2/5^	2210	2450	2000	2500	2200	2750	T/A-W	ECU
12M55G8D2/5^	2200	2450	2000	2500	2200	2750	T/A-W	ECU
12M55G10D2/5^	2420	2700	2200	2750	2400	3000	T/A-W	ECU
16M55G2D2/5^	2500	2750	2250	2813	2500	3125	T/A-W	ECU
16M55G4D2/5^	2646	2900	2400	3000	2650	3313	T/A-W	ECU
16M55G6D2/5^	2900	3300	2600	3250	3000	3750	T/A-W	ECU
16M55G8D2/5^	3300	3600	3000	3750	3300	4125	T/A-W	ECU

$NO_x \leq 2000mg/Nm^3$ at 5% O_2 ENGINES | From 1000 kVA - 4125 kVA

Engine Model	Gross Engine Output		Typical Generator Output				Aspiration	Governor
	PRP	ESP	PRP		ESP			
	kWm		kWe	kVA	kWe	kVA		
12M33G4D3/5	880	968	800	1000	880	1100	T/A-A	ECU
20M33G2D3/5	1850	2020	1600	2000	1800	2250	T/A-W	ECU
12M55G2D3/5	1985	2210	1800	2250	2000	2500	T/A-W	ECU
16M55G0D3/5	2500	2750	2250	2813	2500	3125	T/A-W	ECU
16M55G5D3/5^	3000	3300	2600	3250	3000	3750	T/A-W	ECU
16M55G7D3/5^	3300	3600	3000	3750	3300	4125	T/A-W	ECU

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NOTES

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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 (COP) is the maximum power that can be delivered continuously while supplying a constant electrical load. A COP-rated engine may operate for an unlimited number of hours per year. No overload capability is allowed.

PRP

Prime Power (PRP) is the maximum power that can be delivered while supplying a variable electrical load. A PRP-rated engine may operate for an unlimited number of hours per year, but the permissible average power output over 24 hours of operation shall not exceed 70% of the PRP. A 10% overload capability is permitted for 1 hour within 12 hours of operation.

ESP

Emergency Standby Power (ESP) is the maximum power that can be delivered in the event of a utility power outage while supplying a variable electrical load. An ESP-rated engine may operate for up to 200 hours per year. The permissible average power output over 24 hours of operation shall not exceed 70% of the ESP. No overload capability is allowed. The engine is not to be used for sustained utility paralleling applications.

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

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