

MOTEURS Baudouin
A WEICHAI COMPANY

PowerKit
RATING CARD

DCP
50Hz - 60Hz

Baudouin PowerKit

50 Hz

UNREGULATED DATA CENTRE POWER ENGINE RATINGS

Engine Models	Data Centre Engine Power	Data Centre Genset Power		Speed	Aspiration	Governor
	DCP	DCP				
	kWm (Gross)	kWe	kVA	RPM		
6M33G715/5	575	520	650	1500	T/A-A	ECU
6M31G825/5	680	600	750	1500	T/A-A	ECU
6M33G825/5	675	600	750	1500	T/A-A	ECU
6M31G900/5	730	640	800	1500	T/A-A	ECU
8M33G900/5	730	640	800	1500	T/A-A	ECU
8M33G1100/5	890	800	1000	1500	T/A-A	ECU
12M33G1265/5	1018	900	1125	1500	T/A-A	ECU
12M33G1410/5	1130	1000	1250	1500	T/A-A	ECU
12M33G1650/5	1350	1200	1500	1500	T/A-A	ECU
16M33G1900/5	1530	1400	1750	1500	T/A-W	ECU
16M33G2000/5	1680	1500	1875	1500	T/A-W	ECU
16M33G2250/5	1800	1600	2000	1500	T/A-W	ECU
20M33G2250/5	1850	1600	2000	1500	T/A-W	ECU
20M33G2500/5	2010	1800	2250	1500	T/A-W	ECU
20M33G2750/5	2210	2000	2500	1500	T/A-W	ECU
12M55G2550/5	1985	1800	2250	1500	T/A-W	ECU
12M55G2750/5	2200	2000	2500	1500	T/A-W	ECU
12M55G3000/5	2420	2200	2750	1500	T/A-W	ECU
16M55G3300/5	2646	2400	3000	1500	T/A-W	ECU
16M55G3750/5	3000	2600	3250	1500	T/A-W	ECU
16M55G4000/5	3300	3000	3750	1500	T/A-W	ECU
20M55G4500/5	3590	3300	4125	1500	T/A-W	ECU
20M55G4750/5	3775	3500	4375	1500	T/A-W	ECU
20M55G5250/5	4140	3800	4750	1500	T/A-W	ECU
20M61G5625/5	4550	4000	5000	1500	T/A-W	ECU
20M61G5940/5	4680	4200	5250	1500	T/A-W	ECU

Baudouin PowerKit

60 Hz

UNREGULATED DATA CENTRE POWER ENGINE RATINGS

Engine Models	Data Centre Engine Power	Data Centre Genset Power		Speed	Aspiration	Governor
	DCP	DCP				
	kWm (Gross)	kWe	kVA	RPM		
6M33G580/6	575	520	650	1800	T/A-A	ECU
6M31G600/6	640	550	688	1800	T/A-A	ECU
6M33G660/6	670	600	750	1800	T/A-A	ECU
6M31G700/6	730	640	800	1800	T/A-A	ECU
8M33G700/6	730	640	800	1800	T/A-A	ECU
8M33G900/6	910	800	1000	1800	T/A-A	ECU
12M33G1105/6	1100	1000	1250	1800	T/A-A	ECU
12M33G1240/6	1235	1100	1375	1800	T/A-A	ECU
12M33G1320/6	1350	1200	1500	1800	T/A-W	ECU
16M33G1500/6	1530	1400	1750	1800	T/A-W	ECU
16M33G1750/6	1750	1600	2000	1800	T/A-W	ECU
20M33G2000/6	2027	1800	2250	1800	T/A-W	ECU
20M33G2200/6	2240	2000	2500	1800	T/A-W	ECU
12M55G2500/6	2450	2250	2813	1800	T/A-W	ECU
16M55G2640/6	2710	2400	3000	1800	T/A-W	ECU
16M55G3000/6	2930	2640	3300	1800	T/A-W	ECU
16M55G3300/6	3300	3000	3750	1800	T/A-W	ECU
20M55G3600/6	3550	3300	4125	1800	T/A-W	ECU
20M55G4000/6	3930	3600	4500	1800	T/A-W	ECU
20M55G4250/6	4140	3860	4825	1800	T/A-W	ECU
20M61G4500/6	4550	4000	5000	1800	T/A-W	ECU
20M61G4750/6	4680	4200	5250	1800	T/A-W	ECU
20M61G5000/6	4950	4500	5625	1800	T/A-W	ECU

20M55 and 20M61 are available as complete genset solutions only. For more information, please contact your Baudouin Sales representative. Contact Powergen Engineering Department for Tier II DCP models.

- 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.
- PowerKit scope of supply includes engine, standard radiator, air cleaner and electronic governor, unless specified.
- Electrical outputs are based on typical alternator efficiency and are for guidance only. kVA Figures are calculated using 0.8 Power Factor.

REMARKS

These ratings should not be applied outside of data centre applications.

T/A-A Turbocharged & air-to-air aftercooled
T/A-W Turbocharged & air-to-water aftercooled

DEFINITIONS

DCP

Data Centre Power (DCP) is the maximum power that can be delivered while supplying a variable or continuous electrical load. A DCP-rated generator set may operate for an unlimited number of hours per year.
Note: The engine-driven alternating current generating set is a reliable source of power for data centres and it can also be used to back up a reliable utility. Prolonged operation at load in parallel with a utility is not permitted.

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