



**MOTEURS**  
**Baudouin**  
A WEICHAI COMPANY

# PowerKit

RATING CARD

# GAS

April 2025

# Baudouin PowerKit

## 50HZ UNREGULATED ENGINES

# 50 Hz

Engine Models	Gross Engine Output		Typical Generator Output				Asp.	Governor	Fuel
	COP	PRP	COP		PRP				
	kWm (Gross)		kWe	kVA	kWe	kVA			
4M11G4N0/5	60	70	60	70	60	75	T/A-A	ECU	NG
6M11G4N0/5	102	120	102	120	100	125	T/A-A	ECU	NG
6M16G4N0/5	155	182	155	182	150	188	T/A-A	ECU	NG
6M21G4N0/5	245	288	245	288	240	300	T/A-A	ECU	NG
6M33G6N0/5	450	/	450	/	/	/	T/A-A	ECU	NG
12M26G2N0/5	550	/	550	/	/	/	T/A-A	ECU	NG
12M33G10B0/5	880	/	880	/	/	/	T/A-W	ECU	BG
12M33G10N0/5	900	/	900	/	/	/	T/A-W	ECU	NG
16M33G6N0/5	1280	/	1280	/	/	/	T/A-W	ECU	NG
16M33G6B0/5	1150	/	1150	/	/	/	T/A-W	ECU	BG
16M33G6N2/5	1150	/	1150	/	/	/	T/A-W	ECU	NG
12M55G6N0/5	1588	/	1588	/	/	/	T/A-W	ECU	NG

### 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  $\pm 5\%$ . 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.

# Baudouin PowerKit

## 60HZ UNREGULATED ENGINES

# 60 Hz

Engine Models	Gross Engine Output		Typical Generator Output				Asp.	Governor	Fuel
	COP	PRP	COP		PRP				
	kWm (Gross)		kWe	kVA	kWe	kVA			
4M11G4N0/6	60	70	50	63	60	75	T/A-A	ECU	NG
6M11G4N0/6	102	120	85	106	100	125	T/A-A	ECU	NG
6M16G4N0/6	184	216	150	188	180	225	T/A-A	ECU	NG
6M21G4N0/6	245	288	190	238	240	300	T/A-A	ECU	NG
6M33G6N0/6	480	/	400	500	/	/	T/A-A	ECU	NG
12M26G2N0/6	600	/	550	688	/	/	T/A-A	ECU	NG
12M33G14N0/6	960	/	850	1063	/	/	T/A-W	ECU	NG
12M33G14B0/6	960	/	850	1063	/	/	T/A-W	ECU	BG
16M33G6N0/6	1280	/	1120	1400	/	/	T/A-W	ECU	NG
16M33G6B0/6	1150	/	1000	1250	/	/	T/A-W	ECU	BG
16M33G6N2/6	1150	/	1000	1250	/	/	T/A-W	ECU	NG

### NOTES

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

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## 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.

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