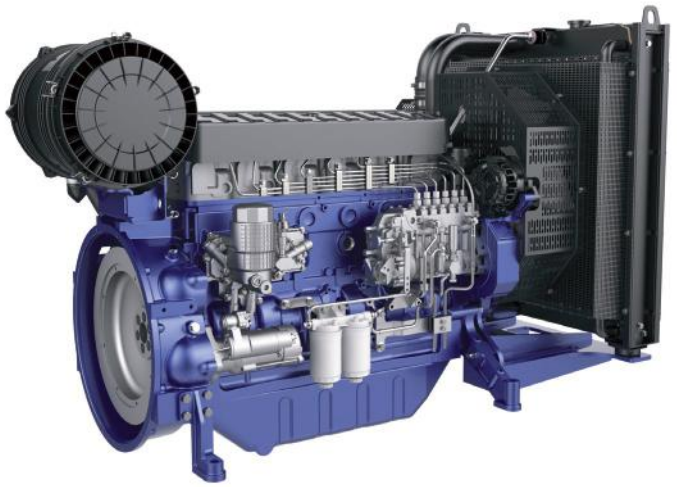
MOTEURS Baudouin

PowerKit Engine

6M11 Series



General Specifications

Bore x Stroke	105 x 130 mm
Displacement	6.75 L
N° of Cylinders	6
Cylinders Arrangement	In line
Fuel System	Mechanical Pump
Governor (Gov.)	Electronic
Aspiration (Asp.)	T/A-A

Diesel Engine	Speed	Gross Engine Output		Typical Generator Output				Asp.	Gov.
		Prime Power PRP	Standby Power ESP	Prime Power PRP		Standby Power ESP			
	Rpm	kWm	kWm	kWe	kVA	kWe	kVA		
6M11G150/5	1500	128	140	108	135	120	150	T/A-A	Elec[1]
6M11G165/5	1500	138	152	120	150	132	165	T/A-A	Elec[1]
6M11G110/6	1800	120	132	100	125	110	138	T/A-A	Elec[1]
6M11G135/6	1800	144	158	120	150	135	170	T/A-A	Elec[1]
6M11G160/6	1800	164	180	145	181	160	200	T/A-A	Elec
6M11G176/6^	1800	182	200	160	200	176	220	T/A-A	Elec[1]

Aspiration : T/A-A = Turbocharged & Air-to-Air Aftercooled
[1]: Mechanical governor available as option
^ These engines are designed for emergency standby power (ESP) applications only. The indicated PRP Power is for reference only.

Standard Equipment

Engine and block
- Cast iron gantry type structure block
- One-piece forged crankshaft
- Separate cast iron cylinder heads and wet liners
- Aluminum alloy pistons with oil cooling gallery

Cooling system
- Radiator and hoses supplied directly mounted on the engine
- Thermostatically-controlled system with belt driven coolant pump and pusher fan

Lubrication system
- Flat bottom large capacity oil pan
- Spin-on full-flow lube oil filter

Fuel system
- P type fuel injection pump and injector for higher inject pressure
- Duplex fine filter for better efficiency

Air intake and exhaust system
- Mid-position and below inlet turbocharger optimized for genset application
- Special rear mounted air filter with restriction indicator
- Exhaust manifold shield for heat isolating

Electrical system
- 12 Vdc electric starter motor and battery charging alternator for 1500 Rpm engines
- 24 Vdc electric starter motor and battery charging alternator for 1800 Rpm engines
- LOP + HWT sensors

Flywheel and housing
- SAE 3 flywheel housing and 11.5" flywheel for 1500 Rpm
- SAE 1 flywheel housing and 14" flywheel for 1800 Rpm

Ratings definitions

Emergency Standby Power (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.

Unlimited Prime Rated Power (PRP)

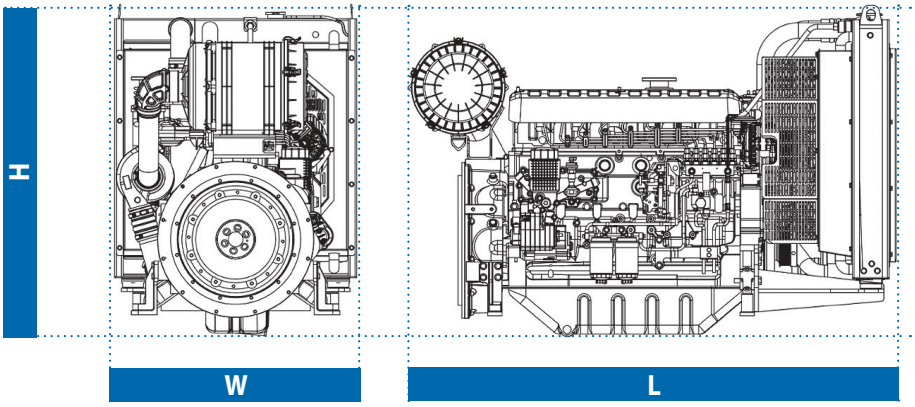
Prime Power is the maximum power available for unlimited hours of usage in a variable load application. The average load factor should not exceed 70% of the engine's PRP power rating during any 24 hour period. An overload capability of 10% is available, however, this is limited to 1 hour within every 12 hour period.

Continuous Power (COP)

Continuous Power is the maximum power available for an unlimited period of use at a constant load factor. No overload capability is allowed.

1) All ratings are based on operating conditions under ISO 8528-1, ISO 3046, DIN6271. Performance tolerance of ±5%.
2) Test conditions : 100 kPa, 25°C air inlet temperature, relative humidity of 30%, with fuel density 0.84 kg/L. Derating may be required for conditions outside these; please contact the factory for details.
3) Power output curves are based on the engine operating with fuel system, water pump and lubricating oil pump; not included are battery charging alternator, fan and optional equipment.

Dimensions and dry weight (mm / kg)



Diesel Engine	Speed	Dimensions and dry weights including radiator			
		L	W	H	Weight
	Rpm	mm	mm	mm	Kg.
6M11G150/5	1500	1726	856	1146	710
6M11G165/5	1500	1726	856	1146	710
6M11G110/6	1800	1726	856	1146	710
6M11G135/6	1800	1726	856	1146	710
6M11G160/6	1800	1726	856	1146	710
6M11G176/6	1800	1726	856	1146	710

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