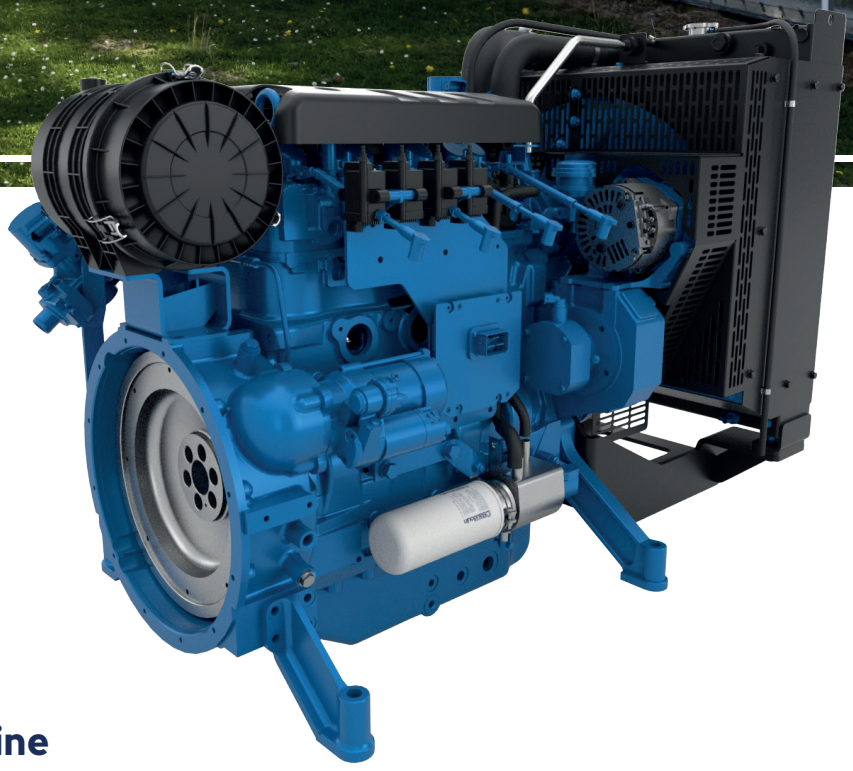
MOTEURS Baudouin



4M11

PowerKit Natural Gas Engine

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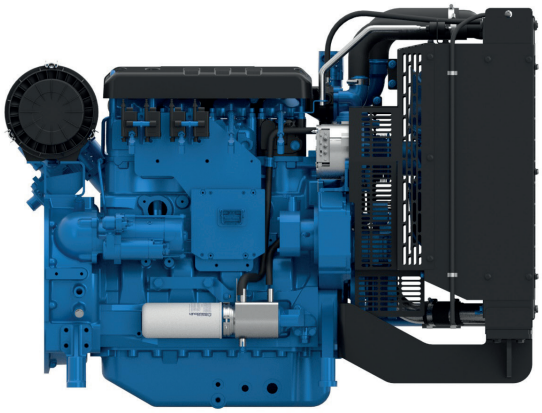


Bore x Stroke (mm)	105 x 130
Displacement (L)	4.5
N° of Cylinders	4
Cylinders Arrangement	In line
Fuel System	Open Chamber / Lean Burn
Governor (Gov.)	ECU
Aspiration (Asp.)	Turbocharged & air-to-air cooled

Customer benefits

Low emission standard, lean burn technology resulting in lower NOx emissions
High transient and block load capabilities
Full duty cycle capability, from prime to continuous power
Electronically controlled high efficiency engines

Gas Engine		Gross Engine Output		Typical Generator Output				Asp	Gov
Model	Speed Rpm	COP Power kWm	PRP Power kWm	COP Power		PRP Power			
				kWe	kVA	kWe	kVA		
4M11G4N0/5	1500	60	70	50	63	60	75	T/A-A	ECU
4M11G4N0/6	1800	60	70	50	63	60	75	T/A-A	ECU

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

Low Pressure gas supply – open chamber combustion
Optimum performance and efficient use of fuel for COP, CHP and PRP applications

Air intake and exhaust system

Top-mounted turbocharger optimized for gen-set application
Special rear mounted air filter with restriction indicator
Exhaust manifold shield for heat isolating

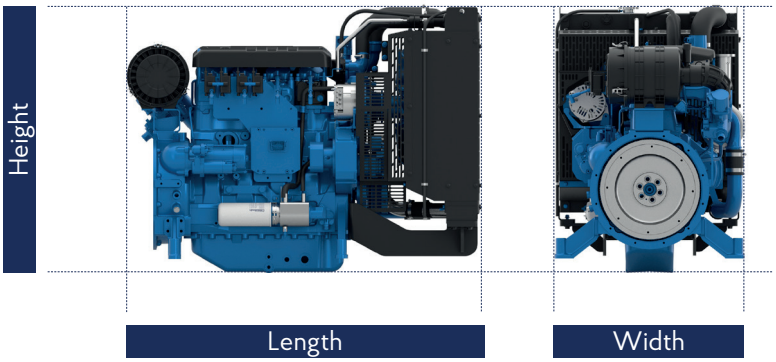
Electrical system

24V DC electric starter motor and battery charging alternator for 1500 and 1800 RPM engines
Low oil pressure & high water temperature sensors

Flywheel and housing

SAE 3 flywheel housing and 11.5” flywheel for 1500 and 1800 RPM engines

Dimensions and dry weight (mm/kg)



Gas Engine		Dimensions and dry weights including radiator			
Model	Model	L (mm)	W (mm)	H (mm)	Weight (Kg)
4M11G4N0/5	1500	1375	747	1038	604
4M11G4N0/6	1800	1375	747	1038	604

Ratings definitions

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.

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.

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.