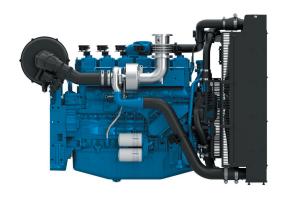


Baudouin.com



# 6M21

## PowerKit Natural Gas Engine



 $\begin{array}{lll} \text{Bore x Stroke (mm)} & 127 \times 156 \\ \text{Displacement (L)} & 12.54 \\ \text{N° of Cylinders} & 6 \\ \text{Cylinders Arrangement} & \text{In line} \\ \end{array}$ 

Fuel System Open Chamber / Lean Burn

Governor (Gov.) ECU Aspiration (Asp.) T/A-A

**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

Low energy fuel capability (landfill & biogas) Electronically controlled high efficiency engines

Gas Engine		Gross Engine Output		Typical Generator Output					
Model	Speed Rpm	COP Power kWm	PRP Power kWm	COP Power		PRP Power		Asp	Gov
				kWe	kVA	kWe	kVA		
6M21G4N0/5	1500	245	288	204	255	240	300	T/A-A	ECU
6M21G4N0/6	1800	245	288	190	238	240	300	T/A-A	ECU

Aspiration: T/A-A = Turbocharged & Air-to-Air Aftercooled

## Standard equipment

**Engine and block** Cast iron frame style body structure

One-piece forged crankshaft

Split-cap forged steel connecting rods

Separate cast iron cylinder heads with 4 valves

Replaceable dry cylinder liners

Aluminum alloy pistons with oil cooling gallery.

Cooling system Radiator and hoses supplied separately

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** Mid-position and below inlet turbocharger optimized for genset application

Special rear mounted air filter with restriction indicator

Exhaust manifold shield for heat isolating

Air intake and

exhaust system

Mid-position and below inlet turbocharger optimized for genset application

Special rear mounted air filter with restriction indicator

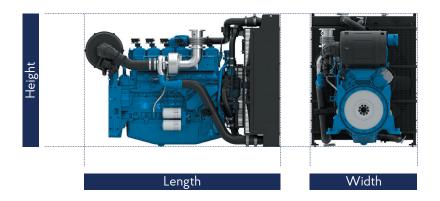
Exhaust manifold shield for heat isolating

**Electrical system** 12V 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 1 flywheel housing and 14" flywheel

## Dimensions and dry weight (mm/kg)



Diesel E	ngine	Dimensions and dry weights including radiator					
Model	Model	L (mm)	W (mm)	H (mm)	Weight (Kg)		
6M16G4N0/5	1500	2034	1105	1385	977		
6M16G4N0/6	1800	2034	1105	1385	977		

# **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.