MOTEURS Baudouin

12M26

PowerKit Natural Gas Engine

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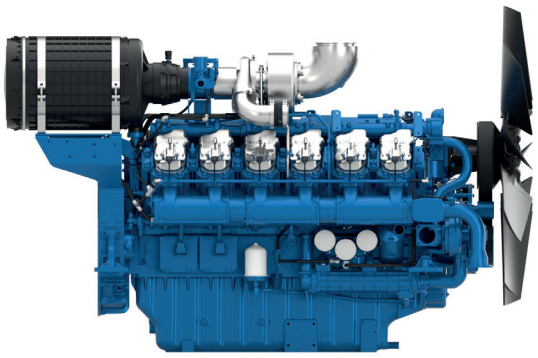


Bore & Stroke (mm)	150 x 150
Displacement (L)	31.8
N° of Cylinders	12
Cylinders Arrangement	At Vee
Fuel System	Open chamber/ Lean Burn
Governor (Gov)	ECU
Aspiraton (ASP)	Turbocharged & air-to-water cooled

Customer benefits

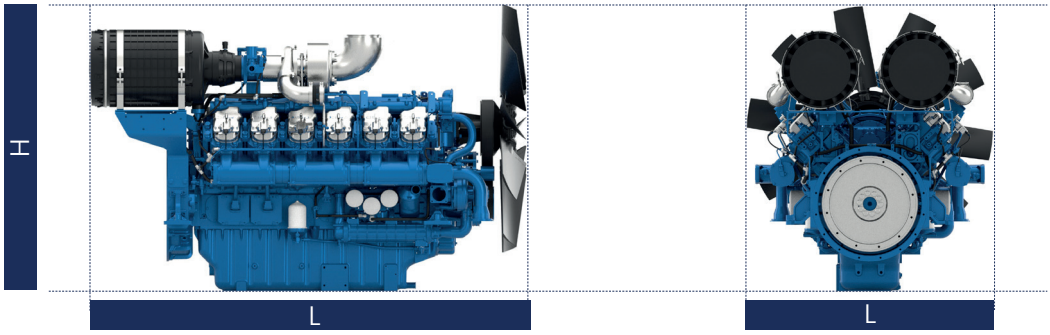
Low emission standard, lean burn technology resulting in lower NOx emissions
High transient and block load capabilities
Full duty cycle capability, from prime to continuous power
Electronically controlled high efficiency engines

Model	Speed (RPM)	Gross Engine Output		Typical Generator Output				Asp.	Gov.
		COP	PRP	COP		PRP			
		kWm		kWe	kVA	kWe	kVA		
12M26G2N0/5	1500	495	582	425	531	500	625	T/A-W	ECU
12M26G2N0/6	1800	550	648	468	585	550	688	T/A-W	ECU

Standard Equipment

Engine and block	Cast iron cylinder block with inspection door per cylinder Cast iron cylinder liners, wet type and replaceable valves guides and seats Hardened steel forged crankshaft with induction hardened journals,crank pins and radius Lube oil cooled light alloy pistons with high performance piston rings
Cooling System	Thermostatically-controlled system with belt driven coolant pump
Lubrication system	Full flow screwable oil filters Lube oil purifier with replaceable cartridge Water cooled lube oil cooler
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 and turbocharger shield for heat isolating
Electrical System	24 V DC electric starter motor and battery charging alternator Low oil pressure & high water temperature sensors
Flywheel and housing	SAE 0 flywheel housing and 18" flywheel

Dimensions and dry weight (mm/kg)



Gas Engine	Speed	Dimensions and dry weights excluding radiator			
		L	W	H	Weight
	RPM	mm	mm	mm	Kg
12M26G2N0/5	1500	2692	1524	1761	2910
12M26G2N0/6	1800	2692	1524	1761	2910

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.