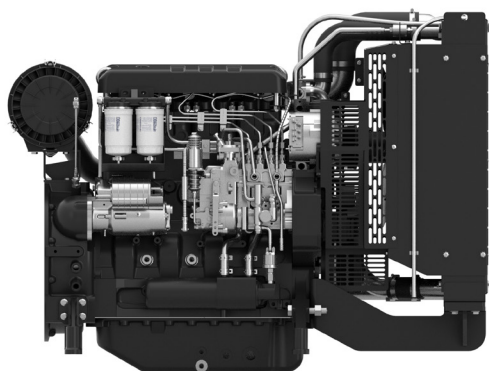


4M11

PowerKit Variable Speed Engine



Bore x Stroke (mm)	105 x 130
Displacement (L)	4.5
N° of Cylinders	4
Cylinders Arrangement	In line
Fuel System	Mechanical Pump
Governor (Gov.)	Mechanical
Aspiration (Asp.)	Turbocharger

Customer Benefits

Variable speed engines optimised for use between 800 and 2200 rpm

Straightforward mechanical injection for easy maintenance

Strong tolerance to varying fuel quality

Peace of mind with best-in-class warranty of 2 years/2500 working hours

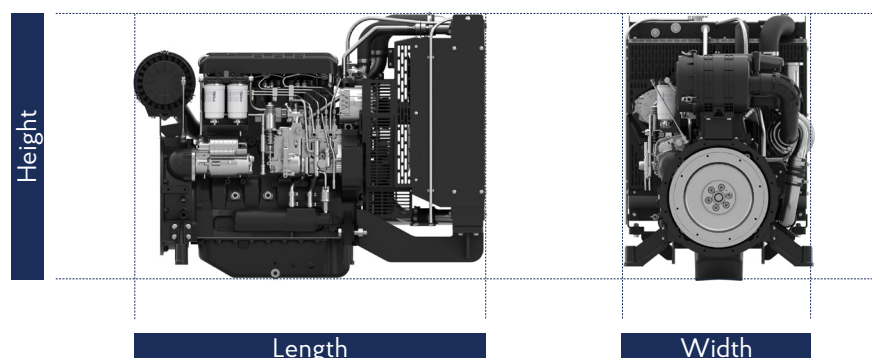
Variable Speed Engine	4M11								
Model	Maximum Power	Max Speed	Max Torque @Speed		Disp.	Asp.	Coupling		Throttle
	kW	RPM					FWH	FW	
4M11V4D0	100	2200	546	1400	4.5L	T/A-A	SAE3	11.5"	M
4M11V6D0	118	2300	597	1700	4.5L	T/A-A	SAE3	11.5"	M

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.

Dimensions and dry weight (mm/kg)



Variable Speed Engine	Dimensions and dry weights including radiator			
Model	L (mm)	W (mm)	H (mm)	Weight (Kg)
4M11V4D0	1712	806	1110	710
4M11V6D0	1712	806	1110	710

* Dimensions are including the radiator

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

Optimum performance and efficient use of fuel for continuous duty
 Duplex fine filter for better efficiency

Air intake and exhaust system

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 rpm engines
 24V DC electric starter motor and battery charging alternator for 1800 rpm engines

Flywheel and housing

SAE 3 flywheel housing and 11.5" flywheel for 1500 rpm
 SAE 1 flywheel housing and 14" flywheel for 1800 rpm