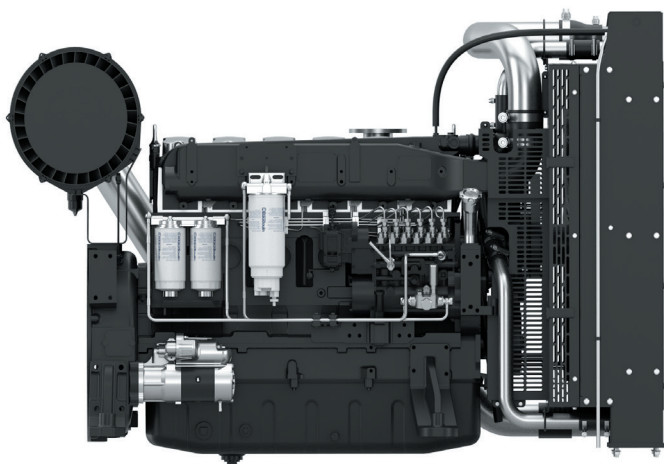


# 6M16

**PowerKit Variable Speed Engine**



Bore x Stroke (mm)	126 x 130
Displacement (L)	9.7
N° of Cylinders	6
Cylinders Arrangement	In line
Fuel System	Mechanical Pump
Governor (Gov.)	Mechanical
Aspiration (Asp.)	T/A-A

### 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					Coupling		
Model	Maximum Power KWm (HP)	Cylinders config.	Asp.	Displ.	Housing	Flywheel	Gov
6M16V2D0	255 (346)	6-inline	T/A-A	9.7	Sae 1	14"	Mech

Model		Engine max. gross power + Torque + Fuel Consumption														
		800 RPM	900 RPM	1000 RPM	1100 RPM	1200 RPM	1300 RPM	1400 RPM	1500 RPM	1600 RPM	1700 RPM	1800 RPM	1900 RPM	2000 RPM	2100 RPM	2200 RPM
6M16V2D0	kWm	73	91	115	141	167	196	215	228	238	245	251	256	261	265	272
	N.m	873	966	1095	1224	1325	1437	1467	1449	1420	1378	1329	1288	1247	1206	1180
	gr/kWh	201	200	196	195	192	190	189	189	191	193	197	200	205	211	218

### Standard equipment

#### Engine and block

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

#### Cooling system

Radiator and hoses supplied separate  
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

24V DC electric starter motor and battery charging alternator

#### Flywheel and housing

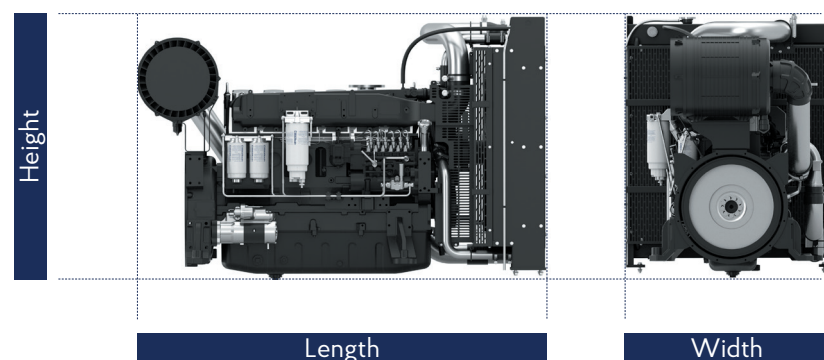
SAE 1 flywheel housing and 14" flywheel

## Ratings definitions

### Continuous Power (COP)

Power and/or speed are cyclic. The maximum time at rated load and speed is not to exceed 80%. Engine average load factor is to be <85%.

### Dimensions and dry weight (mm/kg)



Variable Speed Engine	Dimensions and dry weights including radiator			
Model	L (mm)	W (mm)	H (mm)	Weight (Kg)
6M16V2D0	1983	1033	1264	1122