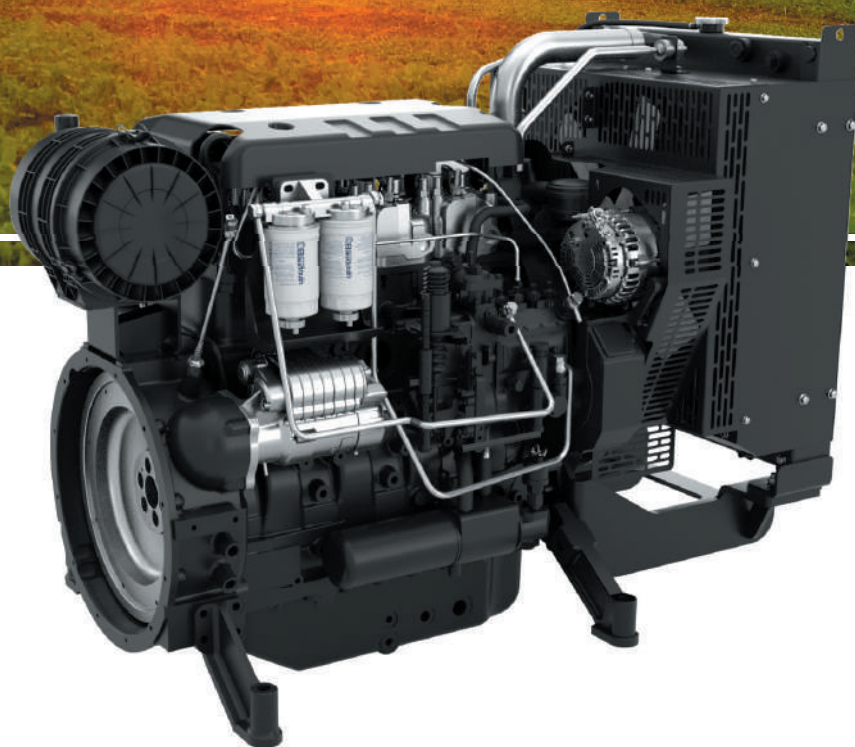
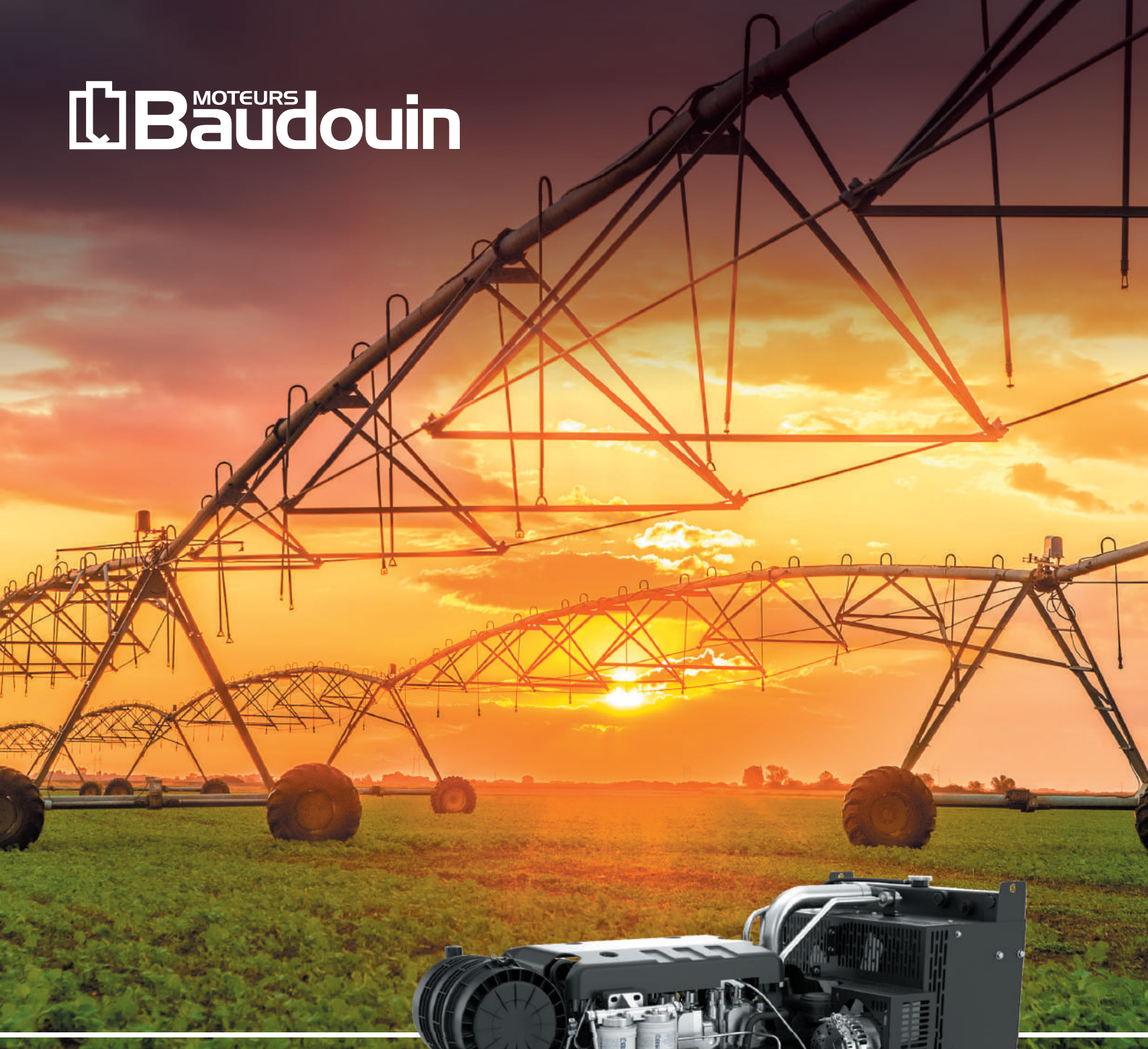
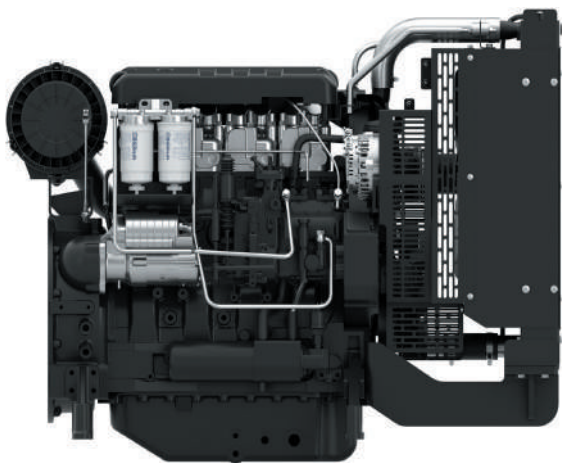




4M11

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.)	T - 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
4M11V2D0	60 (82)	4-inline	T	4.5	Sae 3	11,5"	Mech
4M11V4D0	100 (136)	4-inline	T/A-A	4.5	Sae 3	11,5"	Mech
4M11V6D0	118(160)	4-inline	T/A-A	4.5	Sae 3	11,5"	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	2300 RPM
4M11V2D0	kWm	21	26	31	36	40	44	48	51	54	56	58	59	61	61	62	
	N.m	245	278	297	315	320	323	325	325	323	315	305	296	289	281	267	
	gr/kWh	212	210	205	203	202	201	201	200	200	201	202	204	207	210	214	
4M11V4D0	kWm	37	44	52	59	66	74	80	85	88	91	94	96	98	100	101	
	N.m	446	470	493	511	526	540	546	539	525	513	501	485	466	454	437	
	gr/kWh	222	213	208	204	200	197	196	196	196	197	199	201	203	207	212	
4M11V6D0	kWm	39	44	50	56	62	69	77	86	97	106	111	112	114	116	119	120
	N.m	463	467	474	482	491	505	525	550	576	597	589	564	546	528	515	496
	gr/kWh	224	213	204	200	197	196	194	194	194	195	198	201	204	207	211	217

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 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

12V DC electric starter motor and battery charging alternator

Flywheel and housing

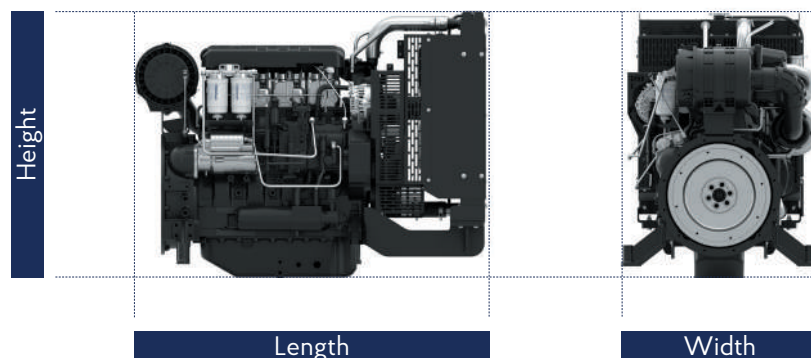
SAE 3 flywheel housing and 11.5" flywheel

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)
4M11V2D0	1330	747	1010	615
4M11V4D0	1379	747	1040	640
4M11V6D0	1497	826	1039	640