

## PowerKit Engine 4M06 Series

### General Specifications

Bore x Stroke	89 x 92 mm
Displacement	2.3 L
N° of Cylinders	4
Cylinders Arrangement	In line
Fuel System	Mechanical Pump / Common Rail
Governor (Gov.)	Electronic / ECU
Aspiration (Asp.)	NA / T / T/A-A



Diesel Engine		Gross Engine Output		Typical Generator Output				Asp.	Gov.
Model	Speed Rpm	Prime Power PRP kWm	Standby Power ESP kWm	Prime Power (PRP)		Standby Power (ESP)			
				kWe	kVA	kWe	kVA		
4M06G20/5	1500	18	20	15	18	16	20	NA	Elec
4M06G25/5	1500	23	25	18	23	20	25	NA	Elec
4M06G35/5	1500	30	33	26	32	28	35	T	Elec
4M06G44/5	1500	37	41	32	40	35	44	T	Elec
4M06G50/5	1500	44	48	36	45	40	50	T/A-A	Elec
4M06G55/5	1500	48	53	40	50	44	55	T/A-A	ECU
4M06G20/6	1800	23	25	18	23	20	25	NA	Elec
4M06G25/6	1800	27	30	23	29	25	32	NA	Elec
4M06G33/6	1800	37	41	30	38	33	42	T	Elec
4M06G41/6	1800	43	47	37	47	41	51	T	Elec
4M06G50/6	1800	53	58	45	56	50	63	T/A-A	Elec
4M06G55/6	1800	58	63	50	63	55	69	T/A-A	ECU

Aspiration : NA = Naturally Aspirated, T = Turbocharged, T/A-A = Turbocharged & Air-to-Air Aftercooled

### 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 tube oil filter

#### Air intake and exhaust system

- Special rear mounted air filter with restriction indicator
- Exhaust manifold shield for heat isolating

#### Fuel system

- P type fuel injection pump and injector for higher inject pressure, for engines with electronic governor
- High pressure Common Rail injection system, for engines with ECU

#### Fine filter

#### Electrical system

- 12 Vdc electric starter motor and battery charging alternator

#### LOP + HWT sensors

#### Flywheel and housing

- GAE 4 flywheel housing and 7.5" flywheel, for engines 4M06G20/5 & 25/5 and 4M06G20/6 & 25/6
- GAE 3 flywheel housing and 11.5" flywheel, for other engines

