

Technical parameters of ZCM250P diesel generator sets

Technical parameters		
Model		ZCM250P
Dimension (L×W×H)	mm	2910×970×1610
Weight	kg	3600
Prime power	kVA/kW	312.5/250
Standby power	kVA/kW	337.5/270
Rated voltage	V	400/230
Output frequency	Hz	50
Rated power factor (lag)	Cosφ	0.8
Steady voltage regulation rate	%	±1
Voltage fluctuation rate	%	≤0.5
Frequency fluctuation rate	%	≤0.5
Sudden load frequency stable time	s	≤3
Sudden load voltage stable time	s	≤2
Waveform deviation rate	THD	≤5%
Wire mode		3-phase 4-wire (neutral point direct grounding)
Control system		Micro-processor control system
Damping system		high-elasticity rubber damper
Noise (7 meter)	dB	92
Engine		
Engine model		NTA855-G1B

Dimension (L×W×H)	mm	1922×816×1597 (Air filter and fan included)
Weight	kg	1315
Power (prime\standby)	kW	284/321
Engine type		6 in-line
Oil type		API CF SAE 15W-40
Fuel type		0#diesel
Oil consumption rate	L/h	0.5% of fuel consumption
Start mode		24V DC Electro-start
Speed regulating mode		Electro-regulation
Cooling method		Closed circulation water cooled
Exhaust back pressure (Max.)	kPa	10.2
Cooling system capacity	L	21 (only for engine)
Cooling air flow	m ³ /min	333
Compression ratio		14.5:1
Combustion mode		Direct injection
Bore\Stroke	mm	140/152
Displacement, single cylinder	L	2.33
Flywheel interface size (flywheel shell/flywheel)		SAE1/14
Generator		
Model (single bearing)		MP-250-4
Dimension (L×W×H)	mm	1020×711×855

Weight	kg	865
Rated power	kW	250
Rated voltage	V	400/230
Frequency	Hz	50
Pole (P)		4
Excitation system		Brushless self-excitation
Short circuit current capability		300% (3In) : 10s
Protection		IP21
Winding pitch		2/3
Control system		
Control module		Zhongzhi 170HC (automatic type)
Displayed contents		Over-speed, oil pressure, water temperature, charge fail, alarm fault, etc.
Main functions		High water temperature, low oil pressure, over-speed, start fail, manual start control, and remote start control, with expansion.