

Technical parameters of ZCM160P diesel generator sets

Technical parameters		
Model		ZCM160P
Dimension (L×W×H)	mm	2465×950×1480
Weight	kg	1551
Prime power	kVA/kW	200/160
Standby power	kVA/kW	220/176
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 grounding)
Control system		micro-processor control system
Damping system		high-elasticity rubber damper
Noise (7 meter)	dB	92
Engine		
Engine model		6CTAA8.3-G2
Dimension (L×W×H)	mm	1128×740×1084

Weight	kg	702
Power (prime\standby)	kW	183/203
Engine type		6 in-line
Oil type		API CF SAE 15W-40
Fuel type		0#diesel
Fuel consumption rate	g/kWh	210
Oil consumption rate	g/kWh	0.5% of fuel consumption
Start mode		24V DC Electro-start
Speed regulating mode		Electro-regulation
Cooling method		Closed circulation water cooled
Fan power consumption	kW	3.5
Piston speed	m/s	10
Coolant flow	m ³ /h	11.88
Intake flow	m ³ /s	0.242
Exhausy flow	m ³ /s	0.6
Lube oil capacity	L	24
Cooling system capacity	L	12.3 (only for engine)
Exhaust temperature	°C	570
Cooling air flow	m ³ /min	310
Compression ratio		16:1
Combustion mode		direct injection type
Bore\Stroke	mm	114/135

Displacement of single cylinder	L	1.38
Flywheel interface size (flywheel shell / flywheel)		SAE2/11.5
Generator		
Model (single bearing)		MP-160-4
Dimension (L×W×H)	mm	849×610×855
Weight	kg	650
Power (prime\standby)	kW	160/169
Rated voltage	V	400/230
Frequency	Hz	50
Pole		4 poles
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.