

Technical parameters of ZCM140P diesel generator sets

Technical parameters		
Model		ZCM140P
Dimension (L×W×H)	mm	2305×790×1435
Weight	kg	1506
Prime power	kVA/kW	175/140
Standby power	kVA/kW	200/160
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
波形畸变率	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		6CTA8.3-G2
Dimension (L×W×H)	mm	1128×740×1084

Power (prime\standby)	kW	163/180
Weight (dry)	Kg	702
Rated speed	rpm	1500
Engine type		6 in-line
Intake mode		Turbo-charge
Oil type		API CD 15W-40
Fuel type		0#diesel
Start mode		24V DC Electro-start
Speed regulating mode		Electro-regulation
Cooling method		Closed circulation water cooled
Injector pump mode		direct injection type
Lube oil capacity	L	24
Cooling system capacity	L	12.3 (only for engine)
Compression ratio		17.0:1
Bore\Stroke	mm	114/135
Displacement, total	L	8.3
Generator		
Model (single bearing)		MP-140-4
Rated voltage	V	400/230
Frequency	Hz	50
Power (prime\standby)	kW	140/146
Dimension (L×W×H)	mm	799×610×855

Weight	kg	585
Pole (P)		4
Excitation system		Brushless self-excitation
Protection		IP21
Insulation class		H
Winding pitch		2/3
Steady voltage regulation rate		≤1%
Recovery time	s	≤1.0
Waveform deviation rate	THD	≤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.