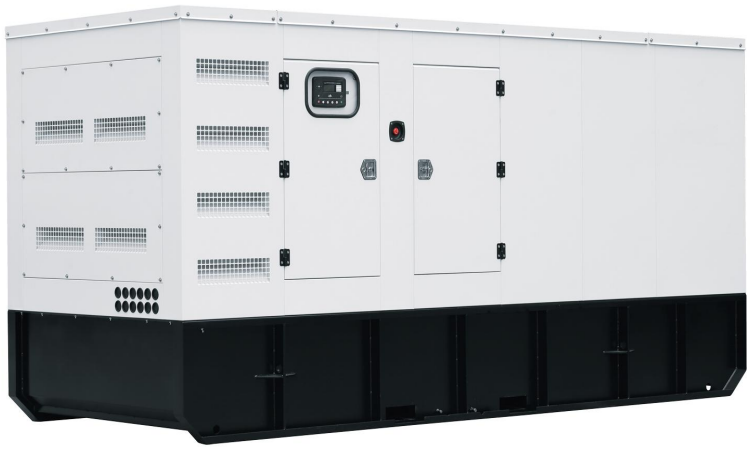
MG POWER

CCS ISO9001 ISO14000 ISO18000 Intertek

DIESEL GENERATOR DATA SHEET

MG POWER DIESEL GENERATOR
Cummins® powered Genset
Model:MGC 200



*Drawing above for illustration purposes only

POWERED BY Cummins G-DRIVE

Ⅰ. GENERAL DATA

Prime Power	kW/kVA	200	250
Standby Power	kW/kVA	220	275
Frequency	Hz/rpm	50	1500
Voltage	V	400	230
Current	A	361	
Connection	/	3P 4W/Y	
Rated Power Factor	/	0.8	
Open Type（L×W×H）	mm	2600×1050×1820	
Open Type(Weight)	kg	1900	
Silent Type（L×W×H）	mm	3800×1300×1850	
Silent Type(Weight)	kg	2750	

■Available for voltages 400/230V, 480/277V, 380/220V, 440/254V, 416/240V,220/127V, 208/120V

■All datas based on ISO 3046, altitude 100m (328ft), barometric pressure 100kPa (29.53inHg), air temperature 25℃ (77°F), relative humidity 30%.

■Please contact with YANAN engineer for correct generator capacity selection when the load application can't meet with the standard reference.

■YANAN diesel generators comply with standards:ISO8528,ISO14000,ISO3046,GB755,BS5000,VDE0530,IEC34-1

Ⅱ. STANDARD CONFIGURATION

Engine	Cummins, including air filters, fuel filters, oil filter, starting motor and charging alternator etc.
Alternator	YANAN brushless AC alternator
Radiator	50℃, fan protective shroud
Base Frame	≤550KW: base mounted fuel tank, anti-vibration pads, battery holder ＞550KW: channel steel base frame, anti-vibration pads, battery holder
Circuit Breaker	≤63A：Micro Circuit Breaker（MCB）＞63A ≤1250A： Molded case circuit breaker(MCCB)，＞1250A： Air circuit breaker(ACB)
Control System	DEEP SEA 6120
Start Battery	Dry charged battery, available for 6 times starts under standard condition; connection cables.
Installation Accessories	Bellow, Elbow and flange, Exhaust silencer, etc.
Documents	Electric drawing, operation & maintenance manual, certification etc.

Ⅲ. OPTIONAL CONFIGURATION

Engine Accessories	◇Heavy-duty air filter ◇Coolant heater ◇Lub oil heater ◇Fuel and Water Separator
Alternator And Accessories	◇Stamford ◇Leroy Somer ◇Marathon ◇Anti condensation heater ◇PMG ◇High voltage _____kV
Cooling System	◇50℃radiator ◇Heat exchanger + water cooling tower + External water circulation pumping system ◇Remote horizontal water tank system
Control System	◇AMF ◇Parallel ◇Practical type in low temperature environment ◇Control Screen Heater ◇Other（Comap、DEIF）
Circuit Breaker	◇3/4 poles ◇Fixed/handcart type ◇Electric mechanism
Automatic Transfer Swtich	◇ATS cabinet
Start Battery	◇Nickel-cadmium battery ◇Maintenance-free battery ◇Power charger and selector ◇Charging current meter
External Fuel Tank	◇500L ◇1000L ◇1500L ◇2000L ◇2500L ◇3000L ◇4000L ◇5000L
Others	_____

Ⅳ. ENGINE DATA

Engine Model	6LTAA8.9-G2	Engine Power	250	kW
Aspiration	Turbocharged and Air to air aftercooled	Displacement	8.9	L
Type	In-line	Bore×Stroke	114×145	mm
No. of Cylinders	6	Compression Ratio	16.6:1	
Governor Type	Electronic Governor	Rated Speed	1500	RPM

■ Fuel System

Prime Power Fuel Consumption	54	L/h	Standby Power Fuel Consumption	59	L/h
Fuel #	ASTM D975 No.2-D or BS2869 1998 Class A1, A2		Injection System	BYC P7100	

■ Lubrication System

Lub Oil Capacity	27.6	L		
Lub #	API CF-4 15W40		Max.Temperature	121	℃

■ Coolant System

Coolant Capacity	34	L	Max. Top Tank Temp.	104	℃
Std. Thermostat (Modulating) Range	82-95	℃	Fan Drive Method	Shaft drive	
Cooling Fan Air Flow	460	m3/min			

■ Air Intake System

Combustion Air Flow	12.96/14.1	m3/min	Maximum Air Intake Restriction	3.7	kPa

■ Exhaust System

Exhaust Gas Flow	35.04/38.58	m3/min	Max.Back Pressure	10	kPa
Exhaust Gas Temp	≤542	℃	Exhaust Pipe Size	ϕ102	mm

■ Starting System

Start Mode	DC24V Electric start		Battery	2x150	Ah

Ⅴ. ALTERNATOR DATA

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Alternator Model	SLG274K	Rate Power	200/250	kW/kVA
PF.	0.8	Voltage	400/230	V
Phase	3	Frequency	50	Hz
Connection	3P 4W/Y	Bearing	1	
Winding Pitch	2/3	Proteccion Class	IP23	
Insulation Class	H	Efficiency	92%	
Tel. Influence	TIF：＜50	Voltage Regulation	±1.0%	
Harmonic Coefficient	THF：＜2%	AVR	AS440	
Voltage Adjust Scope	≥±5%	Excitation System	Self Excited	

Ⅵ. CONTROL SYSTEM DATA *MODEL DSE6120*

■ *Main feature*

Electronic J1939 (CAN) and nonelectronic MPU and alternator sensing engine support for diesel, gas and petrol engines all in one variant.
With a number of flexible inputs, outputs and protections,
the modules can be easily adapted to suit a wide range of applications.

DSE6120 MKIII

■ *Key Function*

▲Utility voltage sensing
▲Generator/load powermonitoring (kW, kV A, kV Ar, pf)
▲Generator overload protection(kW)
▲Efficient power save mode
▲mains and generator closed via front panel
▲4 configurable DC outputs
▲4 configurable analog./digitalinputs
▲6 configurable digital inputs
▲Support for 0-10 V & 4-20 mAoil pressure sensors
▲Configurable staged loadingoutputs
▲CAN, MPU and alternator speed sensing in one variant
▲3 engine maintenance alarms
▲Engine speed protection
▲Engine pre-heat
▲Multiple date and time scheduler
▲Engine idle control for starting &stopping
▲Fuel pump control
▲Battery voltage monitoring
▲Start on low battery voltage
▲Configurable remote start input
▲Alternative configuration
▲Alarm including common alarm,common electric and common shutdown
▲LCD and LED alarm indication
▲Configurable event log (50)
▲Heated display option available
☆*For more information, please visit the official website*

Ⅶ. WARRANTY POLICY

1.Guarantee for one year or 1000 hours (accord to whichever reach first)from ex-factory date. Refer to 《YANAN Diesel Generator Warranty Manual》 for more details.

2.Wearing parts(filters), incorrect man-made operation, maintenance failures are excluded from the warranty policy

Ⅷ. DRAWING (for illustration purposes only)