MG POWER

SON CE TÜV GS CCS ISO9001 ISO14000 ISO18000 c UL us Intertek

MG POWER DIESEL GENERATOR
Cummins® powered Genset
Model:MGC 300

*Drawing above for illustration purposes only

POWERED BY Cummins G-DRIVE

Ⅰ. GENERAL DATA

Prime Power	kW/kVA	300	375
Standby Power	kW/kVA	330	412
Frequency	Hz/rpm	50	1500
Voltage	V	400	230
Current	A	541	
Connection	/	3P 4W/Y	
Rated Power Factor	/	0.8	
Open Type（L×W×H）	mm	3300×1150×1920	
Open Type(Weight)	kg	3300	
Silent Type（L×W×H）	mm	4200×1500×2100	
Silent Type(Weight)	kg	4450	

■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

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Ⅱ. STANDARD CONFIGURATION

Engine	Cummins, including air filters, fuel filters, oil filter, starting motor and charging alternator etc.
Alternator	YANAN brushless AC alternator
Radiator	Silent Type 50℃（Open Type 40℃）, 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	

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All data is subject to change without notice, sorry for inform.　　　　Page 2, of 5

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DIESEL GENERATOR DATA SHEET

IV. ENGINE DATA

Engine Model	NTAA855-G7	Engine Power	377	kW
Aspiration	Turbocharged , Air-to-air Cooled	Displacement	14	L
Type	In-line	Bore×Stroke	140×152	mm
No. of Cylinders	6	Compression Ratio	14.0:1	
Governor Type	Electronic Governor	Rated Speed	1500	RPM

■ Fuel System

Prime Power Fuel Consumption	85.4	L/h	Standby Power Fuel Consumption	94	L/h
Fuel #	ASTM D975 No.2-D or BS2869 1998 Class A1, A2		Injection System	PT	

■ Lubrication System

Lub Oil Capacity	38.6	L			
Lub #	API CF-4 15W40		Max.Temperature	121	℃

■ Coolant System

Coolant Capacity	66	L	Max. Top Tank Temp.	100	℃
Std. Thermostat (Modulating) Range	82-94	℃	Fan Drive Method	Shaft drive	
Cooling Fan Air Flow	480	m3/min			

■ Air Intake System

Combustion Air Flow	30.6/29.1	m3/min	Maximum Air Intake Restriction	3.7	kPa

■ Exhaust System

Exhaust Gas Flow	69/65.4	m3/min	Max.Back Pressure	10	kPa
Exhaust Gas Temp	≤497	℃	Exhaust Pipe Size	φ150	mm

■ Starting System

Start Mode	DC24V Electric start	Battery	2x150	Ah

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V. ALTERNATOR DATA

Alternator Model	SLG314F	Rate Power	304/380	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	92.6%	
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

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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)

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