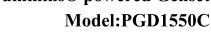


DIESEL GENERATOR DATA **SHEET**

HIPOWER DIESEL GENERATOR

Cummins® powered Genset







*Drawing above for illustration purposes only

I . GENERAL DATA

Prime Power	kW/kVA	1100	1200
Standby Power	kW/kVA	1240	1550
Frequency	Hz/rpm	60	1800
Voltage	V	440	254
Current	А	18	304
Connection	/	3P 4W/Y	
Rated Power Factor	/	C).8
Open Type(L×W×H)	mm	5400×2100×2230	
Open Type(Weight)	kg	9500	
Silent Type(L×W×H)	mm	6058×2438×2896	
Silent Type(Weight)	kg	13	100



- 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 °C (77°F), relative humidity
- Please contact with engineer for correct generator capacity selection when the load application can't meet with the standard reference.
- diesel generators comply with standards :ISO8528,ISO 14000,ISO3046,GB755,BS5000,VDE0530,IEC34-1



DIESEL GENERATOR DATA SHEET

II. STANDARD CONFIGURATION

Engine Cummins, including air filters, fuel filters, oil filter, starting motor and charging alternator etc.

Alternator brushless AC alternator

Radiator 50°C, fan protective shroud

≤550KW: base mounted fuel tank, anti-vibration pads, battery holder

Base Frame

>550KW: channel steel base frame, anti-vibration pads, battery holder

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.

Tool standard

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 voltagekV
Cooling System	♦50°C 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	



DIESEL GENERATOR DATA SHEET

IV. ENGINE DATA					
Engine Model	QSK38-G4		Engine Power	1376	kW
Aspiration	Turbocharge Aftercooled	ed and Low Temp	Displacement	37.7	L
Туре	60° Vee		Bore×Stroke	159×159	mm
No. of Cylinders	12		Compression Ratio	15:1	
Governor Type	ECU		Rated Speed	1800	RPM
■ Fuel System					
Prime Power Fuel Consumption	298	L/h	Standby Power Fuel Consumption	333	L/h
Fuel #	ASTM D975 BS2869 1998	No.2-D or 3 Class A1, A2	Injection System	Cummins MCRS	5
■ Lubrication System					
Lub Oil Capacity	170.3	L			
Lub#	API CF-4 15V	V40	Max.Temperature	120	°C
■ Coolant System					
Coolant Capacity	310	L	Max. Top Tank Temp.	104	$^{\circ}$
Std. Thermostat (Modulating) Range	82 - 94	$^{\circ}$	Fan Drive Method	Shaft drive	
Cooling Fan Air Flow	1800	m3/min			
■ Air Intake System					
Combustion Air Flow	1688/1809	litre/s	Maximum Air Intake Restriction	3.7	kPa
■ Exhaust System					
Exhaust Gas Flow	4072/4415	litre/s	Max.Back Pressure	7	kPa
Exhaust Gas Temp	≤486	°C	Exhaust Pipe Size	ф150×2	mm
■ Starting System					
Start Mode	DC24V Elect	ric start	Battery	4x200	Ah



DIESEL GENERATOR DATA SHEET

PF.	0.8	Voltage	440/254	٧
Phase	3	Frequency	60	Hz
Connection	3P 4W/Y	Bearing	1	
Winding Pitch	2/3	Proteccion Class	IP21	
Insulation Class	Н	Efficiency	94.6%	
Tel. Influence	TIF: <50	Voltage Regulation	±0.5%	
Harmonic Coefficient	THF: <2%	AVR	MX321	
Voltage Adjust Scope	≥±5%	Excitation System	PMG	

VI. WARRANTY POLICY

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

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

VII. DRAWING (for illustration purposes only)



