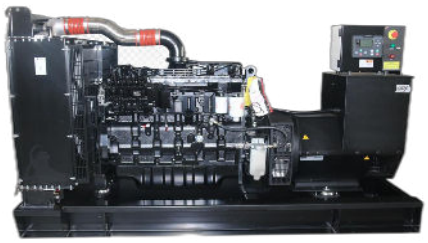
HL1100GF/S

60Hz POWERED BY CUMMINS SERIE



Open Type Model		HL1100GF	Silent Type Model	HL1100GFS	
Frequency	Speed	Voltage	Power	KW	KVA
60Hz	1800 rpm	380V	Standby Power	1210	1512.5
60Hz	1800 rpm	380V	Prime Power	1100	1375
Genset Dimensions and Weights (Only for reference)	OPEN STYLE		Overall Size L×W×H，mm	5100*2100*2340	
			Weight（net）kg	Around 11000	
	SOUNDPROOF STYLE		Overall Size L×W×H，mm	7000*2500*2900	
			Weight(net）kg	Around 18000	

Voltage regulation：	≥±5%
Voltage Regulation, Stead State ：	≤±1%
Sudden Voltage Warp (100% Sudden Reduce) ：	≤+25%
Sudden voltage Warp(Sudden Increase) ：	≤-20%
Voltage Stable Time (100% Sudden Reduce) ：	≤6S
Voltage Stable Time(Sudden Increase) ：	≤6S
Frequency Regulation， Stead State：	≤5%
Frequency Waving：	≤1.5%
Sudden Frequency Warp （100%Sudden Reduce）：	≤+12%
Sudden Frequency Warp （Sudden Increase） ：	≤-10%
Frequency Recovery Time（100%Sudden Reduce）：	≤5S
Frequency Recovery Time （Sudden Increase） ：	≤5S

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ENGINE Specification

Manufacturer	CCEC CUMMINS	Engine Model	KTA50-G3		
Base Output Power (kW)	1220	Standby Power (kW)	1380		
Engine speed (rpm)	1800	Displacement, total (L)	50		
Number of cylinders	16	cycle	4-cycle		
Bore*Stroke(mm)	159*159	Compression ratio	13.9:1		
Low idle (rpm)	725-775	Torque (Nm)	6100		
Piston speed (m/s)	9.5	Engine weight,dry (kg)	5361		
Air intake way	Turbo	Air intake flow (L/sec)	1746		
Exhaust temperature (℃)	860	Exhaust flow (L/sec)	3964		
Coolant capacity-engine only (L)	160.9	Engine coolant flow (L/sec)	N/A		
Lubrication system Min. capacity (L)	121.1	Max. oil temperature permitted in oil pan (℃)	121		
Start Motor Voltage (V)	24				
Fuel injection pump model	Direct Injection Cummins PT				
CONSUMPTION (L/h)	Standby power	330	100% prime power	291	
	75% prime power	222	50% prime power	157	
	25% prime power	89			

.Cummins engines with advanced design, reliable performance, durable operation.

.Alloy-steel and connecting steel-lever, high durability

.High combustion efficiency and low fuel consumption, work continuously

.P/T pump injection technology, low cost, completely combustion

Note: All data sheets are for reference only and subject to change without

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ALTERNATOR Specification

Manufacturer	WUXI STAMFORD	Alternator Model	S6LID-F
Frequency	60 HZ	Rated Speed（RPM）	1800
Voltage Regulation	±5%	Prime Voltage （V）	380
Number of Phase	3	Altitude	≤1000m
Power Factor	0.8	Protection Grade	IP23
Connecting Type	3 Phase and 4 Wires	Exciter Type	Brush less,self-exciting
Insulation Class	H	Temperature Rise	H
TIF	＜50	THF	＜2%

FEATURES

.Class H insulation system

.selectable winding,To meet the demand of the bad environment

.12 Lead Reconnect, able for different voltage, meet the demand of different countries and regions

.2/3 pitch windings restrain the content of harmonious

.Different Excitation Systems for different load demand

.Ip23 standard protection,IP44 for option

.Provide single bearing or double bearing

STANDARDS

-IEC60034,NEMA MG1-32,ISO8528,CSA C22.2-100,VDE 0530,GB755

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Control Panel

Model: DSE7320

AUTO START & AUTO MAINS FAILURE CONTROL MODULES

DIMENSIONS

OVERALL

216mmx 158mm x 42mm
(8.5" x 6.2" x 1.6")

PANEL CUTOUT

182mmx 137mm
(7.2" x 5.4")

WEIGHT

400g(0.4kg)

KEY FEATURES

- Back-lit icon LCD display
- Front panel editing
- LED and LCD alarm indication
- Power Save mode
- CAN and Magnetic Pick-up/Alt. versions available (specify on ordering)
- PC and front panel configuration
- 4 Digital inputs
- 3 Analogue inputs
- 6 Outputs (4 configurable on Magnetic Pick-up/Alt., 6 configurable on CAN version)
- Configurable timers and alarms
- Alternative configuration
- Event Log (5)
- Remote Start input
- 3 Phase generator monitoring
- Current monitoring and protection
- Power monitoring(kW, kV A, kV Ar)
- 3 Phase Mains (Utility) monitoring (DSE6020 only)
- Test button (DSE6020 only)
- Battery Voltage monitoring
- Engine pre-heat
- Hours counter
- Comprehensive shutdown or warning on fault condition

KEY BENEFITS

- Automatically transfers between mains (utility) and generator power (DSE6020 only)
- Hours counter provides accurate information for monitoring and maintenance periods
- User-friendly set-up and button
- Multiple engine parameters are monitored simultaneously
- Module can be configured to suit individual applications
- Compatible with a wide range of CAN engines
- Uses DSE Configuration Suite PC software for simplified configuration
- IP65 rating (with optional gasket) offers increased resistance to water ingress
- Licence-free PC software.

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