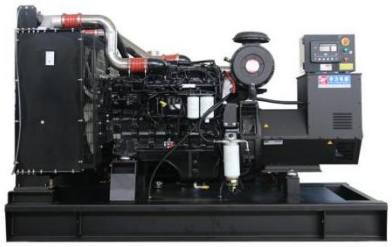
Power Solution Expert

HL320GF



TECHNICAL SPECIFICATIONS

DIESEL GENERATING SET 380V-50Hz-3Phase

Manufacturer	**SHANDONG HUALI ELECTROMECHANICAL CO.;LTD**		
Genset Model	**HL320GF**	**Rated Voltage**	**400V**
Standby Power	**352KW/440KVA**	**Rated Current**	**576A**
Prime Power	**320KW/400KVA**	**Power Factor**	**0.8**
Rated rotation speed	**1500rpm**	**Frequency**	**50HZ**

WEIGHT AND DIMENSIONS

GEN-Set	Dimension (L*W*H)	Weight
Open Type	3360mm*1200mm*2080mm	4000 Kg
Silent Type	5400mm*2000mm*2700mm	6000 Kg

STANDARDS:

Genset: GB/T2820—2009,ISO8528
Alternator: CEDEX ， CX112

Diesel Engine: CUMMINS , QSNT-G3

Standby Power: Continues running at variable load for duration of anemergency. No overload is permitted on these ratings.

Prime Power: Continues running at variable load for unlimited periodswith 10% overload available for 1 hour in any 12 hour period.

CONFIGURATION:

Standard: Engine, alternator, cooling system, Base frame (excluding fuel tank), shock absorber, air inlet system, control box (including mains floating
charge), plastic fan blades (when the engine and water tank do not bring).

Optional: Base frame (including fuel tank), water jacket heater, fuel water separator, fuel heater, fuel level sensor (only supporting underframe tank), switch box (with switch), power switch, the water level sensor, motor anti condensation heater, automatic fueling system (only supporting base frame including fuel tank), battery frame.

Accessories: Silencer, bellow, exhaust silencing system accessories (with the matching engine), regular battery, starting cord assembly, data of gen-set, random tool (with the matching engine.

Specifications may change without notice

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ENGINE Specification

Manufacturer: Cummins

Model	QSNT-G3	Base Output Power	358KW
Engine speed	1500rpm	Standby Power	392KW
Number of cylinders	6	Compression ratio	14.0:1
Displacement,total	14L	Bore*Stroke	140mm*152mm
Cycle	4-cycle	Piston speed	N/A

Exhaust System

Air intake way	Turbo	Air intake flow	533L/s
Exhaust temperature	459℃	Exhaust flow	1489L/s

Fuel System

Fuel injection pump model	Direct Injection Cummins PT	Standby power	81.5L/h
Fuel consumption100% (of the Prime Power)	73.4L/h	Fuel consumption75% (of the Prime Power)	57.3L/h
Fuel consumption50% (of the Prime Power)	40.5L/h	Fuel consumption25% (of the Prime Power)	22L/h

Coolant System

Coolant capacity-engine only	21L	Engine coolant flow	N/A
Lubrication system Min. capacity	38.6L	Max. oil temperature permitted in oil pan	121℃

ALTERNATOR Specification

Manufacturer: SHANHUA

Alternator Model	HLF-320	Rated Speed（RPM）	1500
Frequency	50 HZ	Prime Voltage （V）	400
Voltage Regulation	±5%	Altitude	≤1000m
Number of Phase	3	Protection Grade	IP21
Power Factor	0.8	Exciter Type	Brush less,self-exciting
Connecting Type	3 Phase and 4 Wires	Temperature Rise	H
Insulation Class	H	THF	＜2%
TIF	＜50		

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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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