



**MULTIPHASE
POWER**

Diesel Generator Set

MPC320S

Powered By Cummins

50 Hz / 1500 RPM



MULTIPHASE CORPORATION CO., LTD.

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MPC320S



MODEL	FREQUENCY / RPM	STANDBY POWER	PRIME POWER
MPC320S Powered by Cummins	50 Hz/1500 RPM	350 kVA	320 kVA
		280 kW	256 kW

- Model : MPCxxCS – S Suffix for silent type

GENERAL INFORMATION

Model	MPC320S	Applicable Standards <ul style="list-style-type: none"> ISO 8528-5:2018 GB/T2820.5-2009 CE Environmental Conditions <ul style="list-style-type: none"> Ambient Temperature: +5C - +40C Altitude: 1000m Remark: If your conditions are different from the above, Please contact our sales.
Engine	Cummins 6LTAA9.5-G1	
Rated Voltage	400V	
Phase	3 Phase	
Stamford Alternator	Stamford S4L1S-E4	
Other Alternator	n/a	
PF	0.8	
Controller Model	DSE7320	
		Factory Inspection <ul style="list-style-type: none"> Complete design and quality inspection 0%, 25%, 50%, 75%, 100%, 110% Load Test. Function Test Protection Test Visual Inspection

ENGINE SPECIFICATION

Engine Model	Cummins 6LTAA9.5-G1	Engine Gross Prime Power	290
Emission	n/a	Engine Gross Max. Power	320
Cylinder Arrangement	Vertical inline	Lube-oil Capability (L)	32.4
Number of Cylinders	6	Fuel Consumption @110% load (L/h)	77
Cycle	4 Stroke	Fuel Consumption @100% load (L/h)	70
Aspiration	Turbocharged	Fuel Consumption @75% load (L/h)	52.5
Bore x Stroke (mm)	116.5 x 148 (mm)	Fuel Consumption @50% load (L/h)	35
Displacement (L)	9.5 L	Starter Motor / Charger Alternator	24 vdc
Speed Governor	E	Switchable	Y

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ALTERNATOR SPECIFICATION

Alternator Model	Stamford S4L1S-E4	Rated Speed (RPM)	1500
Rated Output Power (kVA)	350	IP Protection Class	IP 23
Alternator Type	Brushless	Insulation Grade	H
Poles	4	Winding Pitch	2/3
Exit Leads	12	Bearing	Single
Rated Voltage (V)	400	Coupling	Flexible Disc

CONTROL SYSTEM DATA (DSE7320)



Main Feature

The DSE7320 will also monitor the mains (utility) supply. The modules include USB, RS232 and RS485 ports as well as dedicated DSENet® terminals for system expansion.

Key Function

- 4-Line back-lit LCD text display
- Five key menu navigation
- Front panel editing with PIN protection
- Customisable status screens
- Power save mode
- 9 configurable inputs
- Flexible sender inputs
- Configurable timers and alarms
- 3 configurable maintenance alarms
- Multiple date and time scheduler
- Configurable event log (250)
- Integral PLC editor
- Easy access diagnostic page
- CAN and Magnetic Pick-up/Alt. sensing
- Fuel usage monitor and low fuel alarms
- Charge alternator failure alarm
- Manual speed control (on compatible CAN engines)
- Power monitoring (kWh, kVAR, kVAh, kVArh)
- Automatic load transfer (DSE7320)
- Backed up real time clock
- Start & stop capability via SMS messaging
- USB connectivity
- Tier 4 CAN engine support
- DSENet ® expansion compatible etc.

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