



MULTIPHASE
POWER

Diesel Generator Set

MPC40S

Powered By Cummins

50 Hz / 1500 RPM



MULTIPHASE CORPORATION CO., LTD.

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MPC40S



MODEL	FREQUENCY / RPM	STANDBY POWER	PRIME POWER
MPC40S Powered by Cummins	50 Hz/1500 RPM	44 kVA	40 kVA
		35.2 kW	32 kW

- Model : MPCxxCS – S Suffix for silent type

GENERAL INFORMATION

Model	MPC40S	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 4BT3.9-G2	
Rated Voltage	400V	
Phase	3 Phase	
Stamford Alternator	Stamford S1L2-K1	
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 4BT3.9-G2	Engine Gross Prime Power	36.0
Emission	n/a	Engine Gross Max. Power	40.0
Cylinder Arrangement	Vertical inline	Lube-oil Capability (L)	10.9
Number of Cylinders	4	Fuel Consumption @110% load (L/h)	10.23
Cycle	4 Stroke	Fuel Consumption @100% load (L/h)	9.3
Aspiration	Turbocharged	Fuel Consumption @75% load (L/h)	6.98
Bore x Stroke (mm)	102 x 120 (mm)	Fuel Consumption @50% load (L/h)	4.65
Displacement (L)	3.9 L	Starter Motor / Charger Alternator	24 vdc
Speed Governor	E	Switchable	Y

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ALTERNATOR SPECIFICATION

Alternator Model	Stamford S1L2-K1	Rated Speed (RPM)	1500
Rated Output Power (kVA)	40.0	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
- 8 configurable outputs
- Flexible sender inputs
- 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, kVAh, kVAh, kVAh)
- Load switching (load shedding and dummy load outputs)
- Automatic load transfer (DSE7320)
- Start & stop capability via SMS messaging
- USB connectivity
- Tier 4 CAN engine support
- DSENet ® expansion compatible etc.

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