



**MULTIPHASE
POWER**

Diesel Generator Set

MPC200SC

Powered By SDEC

50 Hz / 1500 RPM



MULTIPHASE CORPORATION CO., LTD.

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MPC200SC



MODEL	FREQUENCY / RPM	STANDBY POWER	PRIME POWER
MPC200SC Powered by SDEC	50 Hz/1500 RPM	220 kVA	200 kVA
		176 kW	160 kW

- Model : MPCxxCS – S Suffix for silent type

GENERAL INFORMATION

Model	MPC200SC	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	SDEC 6DTAA8.9-G21	
Rated Voltage	400V	
Phase	3 Phase	
Stamford Alternator	Leroy Somer TAL-A44-M	
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	SDEC 6DTAA8.9-G21	Engine Gross Prime Power	185
Emission	T2	Engine Gross Max. Power	204
Cylinder Arrangement	Vertical inline	Lube-oil Capability (L)	19
Number of Cylinders	6	Fuel Consumption @110% load (L/h)	48.51
Cycle	4 Stroke	Fuel Consumption @100% load (L/h)	44.1
Aspiration	Turbocharged and Charge Air Cooled	Fuel Consumption @75% load (L/h)	33.08
Bore x Stroke (mm)	114 x 144 (mm)	Fuel Consumption @50% load (L/h)	22.05
Displacement (L)	8.82 L	Starter Motor / Charger Alternator	24 vdc
Speed Governor	Electric	Switchable	Y

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ALTERNATOR SPECIFICATION

Alternator Model	Leroy Somer TAL-A44-M	Rated Speed (RPM)	1500
Rated Output Power (KVA)	200	IP Protection Class	IP 23
Alternator Type	Brushless	Insulation Grade	H
Poles	4	Winding Pitch	2/3
Exit Leads	6	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, kVAR, kVAh, kVArh)
- 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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OPTION

Base Frame Assembly		
Base Fuel Tank	Single-skin Base Fuel Tank for 12hr (standard)	1
Battery	80AH/24V Battery	1
Battery Isolate Switch	Single Pole Isolate Switch	1
Fuel Level Gauge	Mechanical Fuel Level Gauge	1
Air Inlet System		
Air Inlet Filter	Air filter for engine	1
Canopy Assembly		
Sponge	Sound insulation sponge	1
Canopy	Canopy	1
Door Lock	304 stainless steel door lock	1
Hinge	Zinc alloy hinge	1
Switchgear		
ABB MCCB	ABB MCCB 3P 400A	1
Control Panel Assembly		
Smartgen Floating charger	BAC06	1
DeepSea Controller	DSE7320	1
Smoke Exhaust System Assembly		
Fiberglass Insulation	High temperature electronic glass fiber barrier (Width:180 mm)	1
Smoke Exhaust Pipes	Shockproof joint (304 ss.)	1
Industrial Grade Silencer	Industrial Grade Silencer	1

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