



**MULTIPHASE
POWER**

Diesel Generator Set

MPC900SC

Powered By SDEC

50 Hz / 1500 RPM



MULTIPHASE CORPORATION CO., LTD.

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MPC900SC



MODEL	FREQUENCY / RPM	STANDBY POWER	PRIME POWER
MPC900SC Powered by SDEC	50 Hz/1500 RPM	990 kVA	900 kVA
		792 kW	720 kW

- Model : MPCxxCS – S Suffix for silent type

GENERAL INFORMATION

Model	MPC900SC
Engine	SDEC 6WTAA35-G32
Rated Voltage	400V
Phase	3 Phase
Stamford Alternator	Leroy Somer TAL-A49-D
Other Alternator	n/a
PF	0.8
Controller Model	DSE7320

Applicable Standards

- ISO 8528-5:2018
- GB/T2820.5-2009
- CE

Environmental Conditions

- Ambient Temperature: +5C - +40C
- Altitude: 1000m

Remark: If your conditions are different from the above, Please contact our sales.

Factory Inspection

- Complete design and quality inspection
- 0%, 25%, 50%, 75%, 100%, 110% Load Test.
- Function Test
- Protection Test
- Visual Inspection

ENGINE SPECIFICATION

Engine Model	SDEC 6WTAA35-G32
Emission	T3
Cylinder Arrangement	Vertical inline
Number of Cylinders	6
Cycle	4 Stroke
Aspiration	Turbocharged and Charge Air Cooled
Bore x Stroke (mm)	186 x 215 (mm)
Displacement (L)	35.1
Speed Governor	ECM

Engine Gross Prime Power (kw)	818
Engine Gross Max. Power (kw)	900
Lube-oil Capability (L)	100
Fuel Consumption @110% load (L/h)	224.18
Fuel Consumption @100% load (L/h)	203.8
Fuel Consumption @75% load (L/h)	152.85
Fuel Consumption @50% load (L/h)	101.9
Starter Motor / Charger Alternator	24 vdc
Switchable	N

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ALTERNATOR SPECIFICATION

Alternator Model	Leroy Somer TAL-A49-D	Rated Speed (RPM)	1500
Rated Output Power (KVA)	910	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
- 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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OPTION

Base Frame Assembly		
Base Fuel Tank	No Base Fuel Tank	1
Battery	240AH/24V Battery	1
Battery Isolate Switch	Single Pole Isolate Switch	1
Air Inlet System		
Air Inlet Filter	Air filter for engine	1
Container-Type Canopy		
Standard Container	20 HC	1
Switchgear		
ABB MCCB	ABB MCCB 3P 1600A	1
Control Panel Assembly		
Smartgen Floating charger	MPMC 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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