



**MULTIPHASE
POWER**

Diesel Generator Set

MPC625S

Powered By SDEC

50 Hz / 1500 RPM



MULTIPHASE CORPORATION CO., LTD.

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MPC625S



MODEL	FREQUENCY / RPM	STANDBY POWER	PRIME POWER
MPC625S Powered by SDEC	50 Hz/1500 RPM	688 kVA	625 kVA
		550 kW	500 kW

- Model : MPCxxCS – S Suffix for silent type

GENERAL INFORMATION

Model	MPC625S
Engine	SDEC 6KTAA25-G39
Rated Voltage	400V
Phase	3 Phase
Stamford Alternator	Leroy Somer TAL-A473-F
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 6KTAA25-G39
Emission	T3
Cylinder Arrangement	Vertical inline
Number of Cylinders	6
Cycle	4 Stroke
Aspiration	Turbocharged and Charge Air Cooled
Bore x Stroke (mm)	170 x 185 (mm)
Displacement (L)	25.18
Speed Governor	ECM

Engine Gross Prime Power (kw)	572
Engine Gross Max. Power (kw)	629
Lube-oil Capability (L)	75
Fuel Consumption @110% load (L/h)	146.85
Fuel Consumption @100% load (L/h)	133.5
Fuel Consumption @75% load (L/h)	100.13
Fuel Consumption @50% load (L/h)	66.75
Starter Motor / Charger Alternator	24 vdc
Switchable	Y

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ALTERNATOR SPECIFICATION

Alternator Model	Leroy Somer TAL-A473-F	Rated Speed (RPM)	1500
Rated Output Power (KVA)	660	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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