

SYL0500D6J1



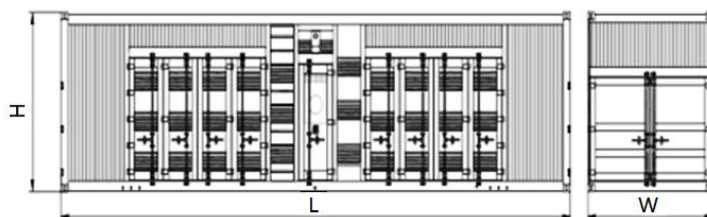
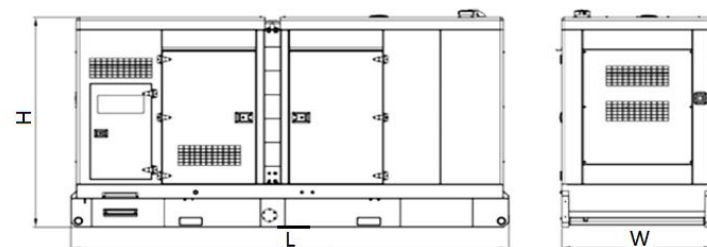
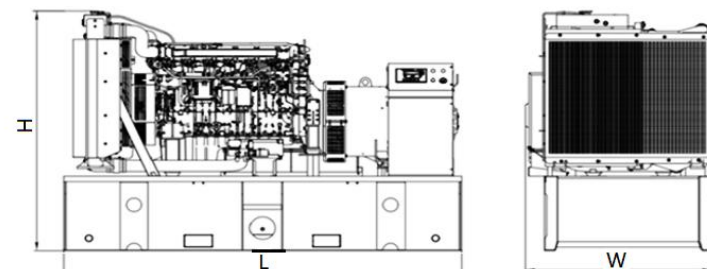
Unit Parameters

Model	SYL0500D6J1
Frequency (Hz)	60
ESP (kW/kVA)	550/688
Rated Power (kW/kVA)	500/625
Rated Voltage (V)	400
Phase	3
Speed Control Type	Electronic speed control



Unit Size and Weight

Length (mm)	4930
Width (mm)	1656
Height (mm)	2520
Net Weight (kg)	5500

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* The above is for reference only, the actual size and weight are subject to the final design drawings.

SYL0500D6J1



Engine

Brand	HUNAN DEUTZ		
Model	D17S3T1B		
No. of Cylinders	6		
Displacement (L)	16.25		
Bore × Stroke (mm)	142×171		
Starter Voltage (V)	24		
Fuel Consumption (L/h)	100% load	114	
	75% load	83.8	
	50% load	57	
	25% load	30.8	



Alternator

Brand	SANY		
Model	SYG0500		
Mode of connection	Three phases and four lines		
Connection type	Y-shaped connection		
Exciter system	Auxiliary winding excitation		
Voltage regulator	AVR		
Bracket type	Single bearing		



Controller

Brand	SANY		
Model	SYGCU6110		

Generator



SYL0500D6J1



Configurations

“ ☒ ” configuration items		“ ☐ ” No configuration items	
Standard configuration		Optional configuration	
☒ Engine		☒ Fuel-water separator	☐ Pre-lubrication system
		☐ Water jacket heater	☐ Inlet air shutdown valve
		☐ Engine oil heater	☐ Gas start system
		☐ Heavy-duty air cleaner	
☒ Alternator		☐ Permanent magnet generator	☐ Stator temperature sensor
		☐ Digital voltage regulator	☐ Bearing temperature sensor
		☐ Anti-condensation heater	☐ Differential protection
☒ Single-machine control		☐ Parallel control	☐ Redundancy control
		☐ Grid-connected control	☐ Remote monitoring system
☐ 40℃ Radiator		☒ 50℃ Radiator	☐ Customized radiator
☒ Unit integrated output		☐ Individual output cabinet	
☒ Battery negative switch		☒ Battery charger	
☒ Maintenance-free lead-acid battery and cable			
☒ Industrial muffler		☐ Residential muffler	☐ Fire extinguishing muffler
☐ No fuel tank		☒ Chassis tank	☐ Daily-use fuel tank
☒ Rubber damper		☐ Spring bumper	
☒ Steel chassis		☒ Silent box type noise reduction box	☐ Container type noise reduction box
		☐ Tool kit	

*Special instructions:

The Rated power is the maximum power that a unit can operate continuously with variable load under standard environmental conditions, and is allowed to operate at an overload of 10% for 1 hour every 12 hours.
ESP refers to the maximum power that a generator set can operate continuously at variable loads under standard working conditions. The power of the generator set has been adjusted to its maximum, therefore overloading operation is not allowed.

*Operating conditions and power correction:

Altitude: ≤ 1000m (power correction required when >1000m).
Environmental temperature: 40 ℃ (Rated power correction required when >40 ℃, ESP power correction required when >25 ℃).
Relative humidity: ≤ 60%.
Land use.
Fixed on the ground during power supply to prevent movement.
When the operating conditions of the generator set do not meet the above conditions, the generator set needs to meet user needs through optional configurations, and the rated power value of the generator set needs to be corrected under high altitude and high temperature conditions.