

SYL0310D6J1



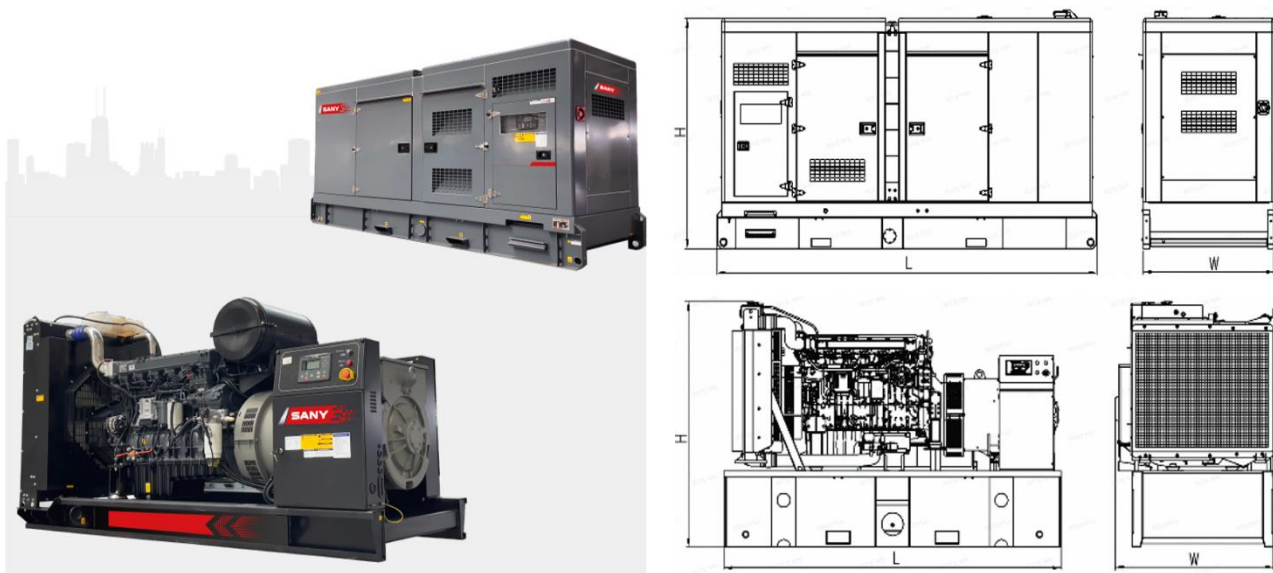
Unit Parameters

Model	SYL0310D6J1
Rated Power (kW/kVA)	310/388
Speed (rpm)	1800
Frequency (Hz)	60
Rated Voltage (V)	440
Phase	3
Speed Control Type	Electronic speed control



Unit Size and Weight

Length (mm)	4640
Width (mm)	1840
Height (mm)	2550
Net Weight (kg)	4850



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

SYLO310D6J1



Engine

Brand	HUNAN DEUTZ	
Model	D12S3-G4	
No. of Cylinders	6	
Displacement (L)	12.13	
Bore × Stroke (mm)	131×150	
Starter Voltage (V)	24	
Fuel Consumption (L/h)	100% load	75.0
	75% load	56.6
	50% load	38.6
	25% load	20.9



Alternator

Brand	Leroy Somer	
Model	TAL A46H	
Mode of connection	Three phases and four lines	
Connection type	Y-shaped connection	
Exciter system	SHUNT	
Voltage regulator	R150	
Bracket type	Single bearing	



Controller

Brand	DEIF	
Model	SGC420MKII	

Generator



SYLO310D6J1



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
☐ 40℃ Radiator		☐ Grid-connected control	☐ Remote monitoring system
☒ Unit integrated output		☐ 50℃ Radiator	
☒ Battery negative switch		☐ Individual output cabinet	
☒ Maintenance-free lead-acid battery and cable		☐ Battery charger	
☒ 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.

*Operating conditions and power correction:

Altitude: $\leq 1000\text{m}$ (power correction required when $>1000\text{m}$).

Environmental temperature: $40\text{ }^{\circ}\text{C}$ (power correction required when $>40\text{ }^{\circ}\text{C}$).

Relative humidity: $\leq 60\%$.

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.