

SYL0046DJ1



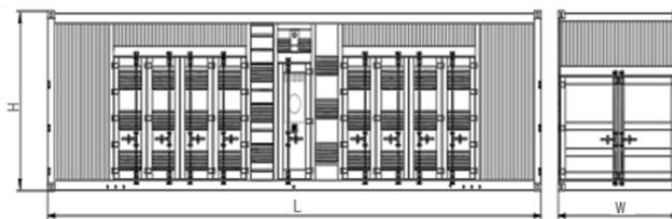
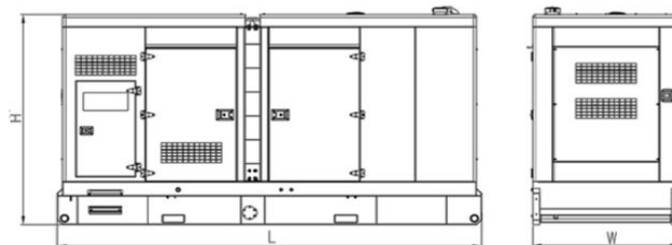
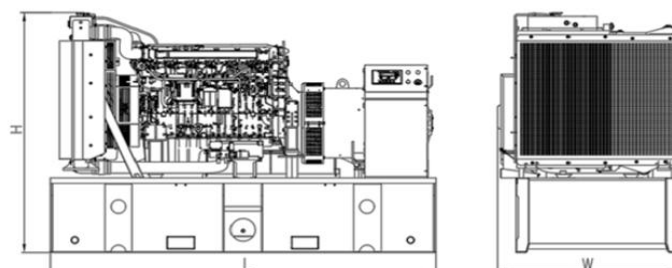
Unit Parameters

Model	SYL0046DJ1
Frequency (Hz)	50
ESP (kW/kVA)	51/64
Rated Power (kW/kVA)	46/58
Rated Voltage (V)	400
Phase	3
Speed Control Type	Electronic speed control



Unit Size and Weight

Length (mm)	3440
Width (mm)	1140
Height (mm)	2000
Net Weight (kg)	1800

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

SYL0046DJ1



Engine

Brand	HUNAN DEUTZ	
Model	BF4M2012	
No. of Cylinders	4	
Displacement (L)	4.04	
Bore × Stroke (mm)	101×126	
Starter Voltage (V)	24	
Fuel Consumption (L/h)	100% load	13.7
	75% load	10.2
	50% load	7.0
	25% load	4.0



Alternator

Brand	Leroy Somer	
Model	TAL A42H	
Mode of connection	Three phases and four lines	
Connection type	Y-shaped connection	
Exciter system	SHUNT	
Voltage regulator	R120	
Bracket type	Single bearing	



Controller

Brand	DEIF	
Model	SGC420MKII	

Generator



SYL0046DJ1



Configurations

“☒” configuration items

Standard configuration

“☐” No configuration items

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

Environmental temperature: 40℃ (Rated power correction required when $>40^\circ\text{C}$, ESP power correction required when $>25^\circ\text{C}$).

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.