

# SYL0380DJ1



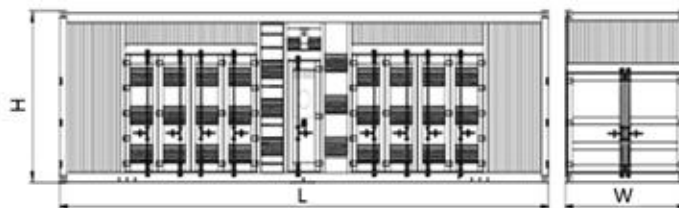
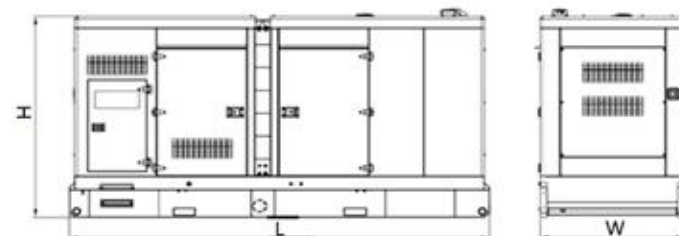
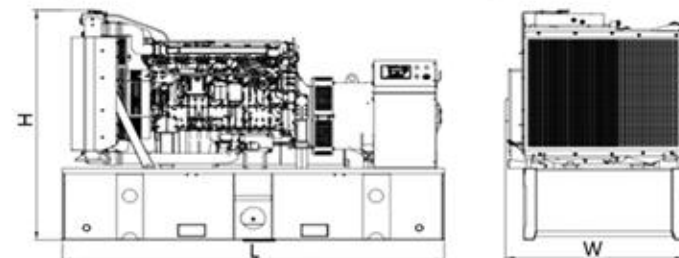
## Unit Parameters

|                      |                          |
|----------------------|--------------------------|
| Model                | SYL0380DJ1               |
| Frequency (Hz)       | 50                       |
| ESP (kW/kVA)         | 418/523                  |
| Rated Power (kW/kVA) | 380/475                  |
| Rated Voltage (V)    | 400                      |
| Phase                | 3                        |
| Speed Control Type   | Electronic speed control |



## Unit Size and Weight

|                 |      |
|-----------------|------|
| Length (mm)     | 4530 |
| Width (mm)      | 1520 |
| Height (mm)     | 2517 |
| Net Weight (kg) | 4950 |

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

# SYL0380DJ1



## Engine

|                        |             |      |
|------------------------|-------------|------|
| Brand                  | HUNAN DEUTZ |      |
| Model                  | D13S3-560E0 |      |
| No. of Cylinders       | 6           |      |
| Displacement (L)       | 12.94       |      |
| Bore × Stroke (mm)     | 131×160     |      |
| Starter Voltage (V)    | 24          |      |
| Fuel Consumption (L/h) | 100% load   | 92.6 |
|                        | 75% load    | 71.3 |
|                        | 50% load    | 49.2 |
|                        | 25% load    | 26.3 |



## Alternator

|                    |                              |  |
|--------------------|------------------------------|--|
| Brand              | SANY                         |  |
| Model              | SYG0400                      |  |
| Mode of connection | Three phases and four lines  |  |
| Connection type    | Y-shaped connection          |  |
| Exciter system     | AVR                          |  |
| Voltage regulator  | Auxiliary winding excitation |  |
| Bracket type       | Single bearing               |  |



## Controller

|       |           |  |
|-------|-----------|--|
| Brand | SANY      |  |
| Model | SYGCU6110 |  |

## Generator



# SYL0380DJ1



## Configurations

| “ <input checked="" type="checkbox"/> ” configuration items                      |  | “ <input type="checkbox"/> ” No configuration items                     |                                                             |
|----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------|-------------------------------------------------------------|
| Standard configuration                                                           |  | Optional configuration                                                  |                                                             |
| <input checked="" type="checkbox"/> Engine                                       |  | <input checked="" type="checkbox"/> Fuel-water separator                | <input type="checkbox"/> Pre-lubrication system             |
|                                                                                  |  | <input type="checkbox"/> Water jacket heater                            | <input type="checkbox"/> Inlet air shutdown valve           |
|                                                                                  |  | <input type="checkbox"/> Engine oil heater                              | <input type="checkbox"/> Gas start system                   |
|                                                                                  |  | <input type="checkbox"/> Heavy-duty air cleaner                         |                                                             |
| <input checked="" type="checkbox"/> Alternator                                   |  | <input type="checkbox"/> Permanent magnet generator                     | <input type="checkbox"/> Stator temperature sensor          |
|                                                                                  |  | <input type="checkbox"/> Digital voltage regulator                      | <input type="checkbox"/> Bearing temperature sensor         |
|                                                                                  |  | <input type="checkbox"/> Anti-condensation heater                       | <input type="checkbox"/> Differential protection            |
| <input checked="" type="checkbox"/> Single-machine control                       |  | <input type="checkbox"/> Parallel control                               | <input type="checkbox"/> Redundancy control                 |
|                                                                                  |  | <input type="checkbox"/> Grid-connected control                         | <input type="checkbox"/> Remote monitoring system           |
| <input type="checkbox"/> 40℃ Radiator                                            |  | <input checked="" type="checkbox"/> 50℃ Radiator                        | <input type="checkbox"/> Customized radiator                |
| <input checked="" type="checkbox"/> Unit integrated output                       |  | <input type="checkbox"/> Individual output cabinet                      |                                                             |
| <input checked="" type="checkbox"/> Battery negative switch                      |  | <input checked="" type="checkbox"/> Battery charger                     |                                                             |
| <input checked="" type="checkbox"/> Maintenance-free lead-acid battery and cable |  |                                                                         |                                                             |
| <input checked="" type="checkbox"/> Industrial muffler                           |  | <input type="checkbox"/> Residential muffler                            | <input type="checkbox"/> Fire extinguishing muffler         |
| <input type="checkbox"/> No fuel tank                                            |  | <input checked="" type="checkbox"/> Chassis tank                        | <input type="checkbox"/> Daily-use fuel tank                |
| <input checked="" type="checkbox"/> Rubber damper                                |  | <input type="checkbox"/> Spring bumper                                  |                                                             |
| <input checked="" type="checkbox"/> Steel chassis                                |  | <input checked="" type="checkbox"/> Silent box type noise reduction box | <input type="checkbox"/> Container type noise reduction box |
|                                                                                  |  | <input type="checkbox"/> 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:  $40\text{ }^{\circ}\text{C}$  (Rated power correction required when  $>40\text{ }^{\circ}\text{C}$ , ESP power correction required when  $>25\text{ }^{\circ}\text{C}$ ).  
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.