

# 30 kW Brushless AC Generator

This AC generator provides a reliable power generation solution for various applications. It delivers 30 kW of power at 50 Hz and operates at 1500 RPM.



## ADDITIONAL IMAGES



## Overview

### High-Efficiency 30 kW Brushless AC Generator

This 30 kW brushless AC generator is engineered for reliable power generation in demanding stand-by and industrial applications. Utilizing a 2/3 pitch stator winding design, it effectively eliminates triple harmonics and reduces neutral currents, ensuring a clean voltage waveform for non-linear loads. Built with 100% copper windings and advanced damping systems, this generator provides stable performance and long-term durability for professional power solutions.

## Performance Metrics

### Performance Highlights

**30 kW**

Rated Power

**1500 RPM**

Speed

**50 Hz**

Frequency

**0.8 PF**

Power Factor

## Electrical Specifications

### Stator Connection

Y-Connection • Winding 311

Rated Voltage

380 V

Rated Current

56.9 A

Phase Configuration

3-Phase

## Technical Features

### Winding Design

- 2/3 pitch stator winding to eliminate 3rd, 9th, and 15th harmonics
- 100% Copper windings for maximum conductivity
- Fully connected damper winding to reduce oscillations during paralleling
- Optimized pole and tooth design for low waveform distortion

### Voltage Regulation

SX 460 Automatic Voltage Regulator (AVR)

### Build Quality

100% Copper, Long Life, Permanent Magnet Support, Variable Frequency Compatible

## Protection & Standards

### Operating Environment

Parameter	Value
Duty Rating	Continuous (CONT)
Max Ambient Temperature	40°C
Excitation Type	Brushless

### Insulation Class

Class H

### Ingress Protection

IP22