

3-Phase AC Synchronous Generator

This generator provides a reliable electric power source for lighting in towns, rural areas, and worksites. It can also serve as a backup power source for emergency situations.



Overview

Professional Power Generation

The STC series 3-phase AC synchronous generators are designed for reliable performance in diverse environments, including rural, industrial, and mountain settings. Featuring a robust drip-proof, rotary field design with a harmonic excitation system, these units offer simple maintenance and user-friendly operation. They serve as an excellent primary power source for lighting or as a dependable reserve for emergency power applications.

Technical Specifications

Core Electrical Specs

400 V

Line Voltage

230 V

Phase Voltage

50 Hz

Frequency

0.8 lag

Power Factor

Design & Features

3-phase 4-wire, Star connection, Drip-proof, Rotary field type, Harmonic excitation

Performance Data

Technical Data by Model

| Model | Power (kVA) | Power (kW) | Current (A) |
|---------|-------------|------------|-------------|
| STC-3 | 3.8 | 3 | 5.4 |
| STC-5 | 6.3 | 5 | 9 |
| STC-7.5 | 9.4 | 7.5 | 13.5 |
| STC-8 | 10 | 8 | 14.4 |
| STC-10 | 12.5 | 10 | 18.1 |
| STC-12 | 15 | 12 | 21.7 |
| STC-15 | 18.8 | 15 | 27.1 |
| STC-20 | 25 | 20 | 36.1 |
| STC-24 | 30 | 24 | 43.3 |
| STC-30 | 37.5 | 30 | 54.1 |
| STC-40 | 50 | 40 | 72.2 |
| STC-50 | 62.5 | 50 | 90.2 |