

Three-Phase AC Synchronous Alternator

This three-phase AC synchronous alternator is designed for use as an electric power source in various settings. It can also be utilized as a reserved power source for emergent situations.



Overview

Reliable Power Generation for Diverse Environments

The STC Series Three-Phase AC Synchronous Alternators are engineered for versatile use in towns, worksites, and remote pasture lands. These drip-proof units feature a harmonic excitation system for easy operation and simple maintenance, making them ideal as primary lighting sources or emergency backup power. Designed for stability, they return quickly to normal working states after sudden load changes and can directly start unloaded squirrel cage induction motors.

Electrical Specifications

Rated Voltage

400 V

Line Voltage

230 V

Phase Voltage

Frequency

50 Hz

Power Factor

0.8

Wiring System

Three-phase four-wire type with star connection and neutral point

Performance & Operation

Protection Type

Drip-proof

Excitation System

Harmonic excitation

Rated Speed

1500 r.p.m

Coupling Options

Direct Coupling, V-Belt

Model Range

Output Performance by Model

Model	kW	kVA	Current (A)
STC-3	3	3.8	5.4
STC-5	5	6.3	9
STC-10	10	12.5	18.1
STC-20	20	25	36.1
STC-50	50	62.5	90.2

Applications

Recommended Applications

- Town and countryside lighting
- Construction worksites
- Mountain and pasture land power
- Emergency reserved power source
- Direct starting of squirrel cage induction motors