

Three-Phase AC Synchronous Alternator

This three-phase AC synchronous alternator provides a stable and consistent output. Its durable construction and efficient cooling system ensure long-lasting performance.



ADDITIONAL IMAGES



Product Overview

Versatile Power Generation

The STC series three-phase AC synchronous alternator provides a reliable power source for diverse environments including urban, rural, and industrial worksites. Featuring a drip-proof rotary field design and harmonic excitation, it ensures stable voltage output for essential operations and emergency backup. Its robust construction allows for seamless integration with prime movers via direct coupling or V-belt systems.

Technical Specifications

Core Performance

| | | | |
|-----------------------------|-------------------------------|---------------------------|--------------------------------|
| 3 kW Power Rating | 400 V Rated Voltage | 50 Hz Frequency | 0.8 lag Power Factor |
|-----------------------------|-------------------------------|---------------------------|--------------------------------|

Operating Parameters

| Parameter | Specification |
|------------------|----------------|
| Output Type | AC Three-Phase |
| Phase Voltage | 230V |
| Speed Range | 1500-2000 RPM |
| Insulation Class | B or F |
| Cooling Method | IC0141 |

Key Features

Drip-proof, Rotary Field, Harmonic Excitation, Three-Phase Four-Wire, Continuous Rotation

Environmental Conditions

Operating Environment

- Altitude: Not exceeding 1000m
- Ambient Temperature: -15°C to 40°C
- Relative Humidity: Not exceeding 90%