

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
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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%