

Brushless AC Alternator

This brushless AC alternator provides stable AC power for various applications. It features a durable enclosure with integrated cooling vents and a sturdy mounting base.



ADDITIONAL IMAGES



Overview

Industrial Grade Brushless AC Alternator

This series of brushless synchronous alternators is designed for robust and reliable power generation in demanding industrial environments. Featuring a durable enclosure with integrated cooling vents and a sturdy mounting base, these units are built for continuous operation and long service life. With high efficiency ratings and compatibility across various engine types, they provide stable AC power output suitable for a wide range of professional applications.

Performance Metrics

Key Performance Metrics

100 % (24h)
Load Capacity

110 %
Overload (2h)

125 °C
Temp Rise

Technical Configuration

Electrical Specifications

Frequency	Speed	Phase	Insulation Class
50Hz / 60Hz	1500rpm / 1800rpm	Three Phase	Class H

Supported Voltages 380V, 400V, 415V, 416V, 440V, 480V

Model Range

SWT-224

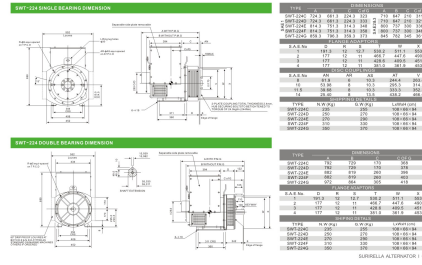
SERIES BRUSHLESS SYNCHRONOUS ALTERNATORS

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TECHNICAL DATA

Three phase synchronous generator

Ambient Temp	Synchronous						Asynchronous					
	Rated 40°C		Max 27°C		Rated 40°C		Max 27°C		Rated 40°C		Max 27°C	
Temp. Rise	Rated 40°C	Max 27°C	Rated 40°C	Max 27°C	Rated 40°C	Max 27°C	Rated 40°C	Max 27°C	Rated 40°C	Max 27°C	Rated 40°C	Max 27°C
Voltage	380	406	415	380	415	380	400	415	316	340	340	316
SWT-224C	kVA	42.5	42.5	42.5	42.5	42.5	42.5	42.5	50.0	52.5	55.0	55.0
WF	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
EF	88.6	87.1	87.4	88.2	88.2	87.3	88.0	88.6	87.3	87.3	87.2	87.3
SWT-224D	kVA	50.0	50.0	50.0	50.0	50.0	50.0	50.0	60.0	62.5	65.0	65.0
WF	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
EF	87.7	86.2	86.5	87.4	87.4	86.2	87.2	87.7	86.0	86.0	85.9	86.0
SWT-224E	kVA	60.0	60.0	60.0	60.0	60.0	60.0	60.0	70.0	72.5	75.0	75.0
WF	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
EF	85.0	83.9	84.3	85.2	85.2	83.9	84.6	85.0	83.4	83.4	83.4	83.4
SWT-224F	kVA	75.0	75.0	75.0	75.0	75.0	75.0	75.0	85.0	87.5	90.0	90.0
WF	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
EF	88.6	88.4	88.4	89.4	89.4	88.4	89.0	89.6	88.0	88.0	87.9	88.0
SWT-224G	kVA	90.0	90.0	90.0	90.0	90.0	90.0	90.0	100.0	102.5	105.0	105.0
WF	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
EF	89.6	89.2	89.4	90.2	90.2	89.2	89.6	89.6	88.0	88.0	87.9	88.0



Detailed technical dimensions for single and double bearing configurations, including flange and disc coupling specifications.

Performance Data (50Hz / 1500rpm)

Model	Max kVA	Max kW	Efficiency (%)
SWT-224C	45	36	87.4
SWT-224D	53	42.4	88.5
SWT-224E	63	50.4	89.1
SWT-224F	80	64	90.1
SWT-224G	90.8	72.6	90.4

Physical Properties

Protection & Cooling

- Brushless Synchronous Design
- Integrated Cooling Vents
- Drip-Proof Louvres
- Lifting Lug for Installation

Compliance

CE

Rated Ambient Temperature

40 °C

Logistics

Standard Shipping Dimensions

108 x 66 x 94 cm

Net Weight Range

235kg - 350kg