

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

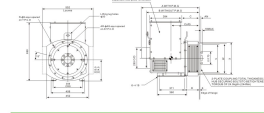
SWT-224

SERIES BRUSHLESS SYNCHRONOUS ALTERNATORS

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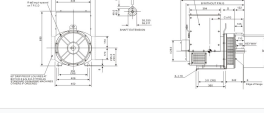
Ambient Temp	Synchronous						Asynchronous																
	Rated 40°C		Max 27°C		Rated 40°C		Max 27°C		Rated 40°C		Max 27°C												
Temp. Rise	Rising 100°C		Rising 100°C		Rising 100°C		Rising 100°C		Rising 100°C		Rising 100°C												
Voltage	380	406	415	390	413	411	390	420	413	316	340	440	418	441	360	416	440	430					
SWT-224C	kVA	41.5	42.5	42.5	41.5	40.5	40.5	44.0	44.0	44.0	44.0	44.0	44.0	44.0	50.0	52.0	55.0	55.0	55.0	55.0	56.0	60.0	
SWT-224C	kW	34.0	34.0	34.0	34.0	34.0	34.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	40.0	42.0	45.0	45.0	45.0	45.0	46.0	48.0	
SWT-224C	EF	88.6	87.1	87.4	88.2	88.2	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	87.1	87.0	88.3	88.7	87.2	87.3	88.8	87.1	87.6
SWT-224D	kVA	50.0	50.0	50.0	50.0	50.0	50.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	60.0	62.0	65.0	65.0	65.0	65.0	66.0	70.0	
SWT-224D	kW	40.0	40.0	40.0	40.0	40.0	40.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.0	50.0	53.0	53.0	53.0	53.0	54.0	58.0	
SWT-224D	EF	87.7	88.2	88.5	87.4	87.4	88.2	87.2	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	87.8	88.2	88.7	88.2	87.5	88.5	88.5
SWT-224E	kVA	60.0	60.0	60.0	60.0	60.0	60.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	70.0	72.0	75.0	75.0	75.0	75.0	76.0	80.0	
SWT-224E	kW	48.0	48.0	48.0	48.0	48.0	48.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	56.0	58.0	60.0	60.0	60.0	60.0	61.0	64.0	
SWT-224E	EF	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	
SWT-224F	kVA	80.0	80.0	80.0	80.0	80.0	80.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	92.0	94.0	97.0	97.0	97.0	97.0	98.0	103.0	
SWT-224F	kW	64.0	64.0	64.0	64.0	64.0	64.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	74.0	76.0	79.0	79.0	79.0	79.0	80.0	84.0	
SWT-224F	EF	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	
SWT-224G	kVA	100.0	100.0	100.0	100.0	100.0	100.0	104.0	104.0	104.0	104.0	104.0	104.0	104.0	112.0	114.0	117.0	117.0	117.0	117.0	118.0	123.0	
SWT-224G	kW	80.0	80.0	80.0	80.0	80.0	80.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	90.0	92.0	95.0	95.0	95.0	95.0	96.0	100.0	
SWT-224G	EF	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	

SWT-224 SINGLE BEARING DIMENSION



Model	Flange	Disc	Flange	Disc
SWT-224C	100	100	100	100
SWT-224D	120	120	120	120
SWT-224E	140	140	140	140
SWT-224F	160	160	160	160
SWT-224G	180	180	180	180

SWT-224 DOUBLE BEARING DIMENSION



Model	Flange	Disc	Flange	Disc
SWT-224C	120	120	120	120
SWT-224D	140	140	140	140
SWT-224E	160	160	160	160
SWT-224F	180	180	180	180
SWT-224G	200	200	200	200

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