

High Performance Drive

iS7



General

Product code		6121005400
Product description		SV1600iS7-4SOD
Enclosure Rating		IP00
Input Rating (3-Phase)	Supply Voltage [VAC]	380~480 VAC
	Rated Current [HD/Heavy Duty]	316.3 A
	Rated Current [ND/Normal Duty]	359.3 A
	Supply Frequency [Hz]	50~60 Hz
Input Rating (1-Phase)	Supply Voltage (VAC)	480 VAC
	Rated Current (HD)	316.3 A
	Rated Current (ND)	359.3 A
	Supply Frequency (Hz)	60 Hz
Output Rating (3-Phase Input)	Output Voltage (VAC)	380~480 VAC
	Motor Power HP (HD)	250 hp
	Motor Power HP (ND)	300 hp
	Motor Power kW (HD)	160 kW
	Motor Power kW (ND)	185 kW
	Output Current (HD)	325 A
	Output Current (ND)	370 A
	Rated Capacity (HD)	248 kVA
	Rated Capacity (ND)	-

	Output Frequency [Hz]	0~400 Hz
Output Rating (1-Phase Input)	Output Voltage [VAC]	-
	Motor Power HP [HD]	125 hp
	Motor Power HP [ND]	150 hp
	Output Current [HD]	166.0 A
	Output Current [ND]	189.0 A
	Rated Capacity [HD]	-
	Rated Capacity [ND]	-
	Output Frequency [Hz]	-

General

Short Circuit Rating		100kA (IEC 60439-1)
Overload Capacity	HD	150% for 1min
	ND	110% for 1min
Control Method		V/F, V/F PG, Slip compensation, Sensorless, Vector control
Input Terminals		8 Points
Output Terminals	Relay Output	2 Points
	Open Collector Output	1 Point
EMC Filter		-
DC Reactor		Built-in
Communication	Built-in	Modbus RTU, LS INV 485
	Option	RAPIDnet+, EtherNet/IP, Modbus TCP, CANopen, Profibus-DP, PROFINET, CC-LINK, CC-LINK IE
Option Card		PLC, Extension I/O, Safety(Built-In option), Synchronous, Position, Binary input, Encoder, 24V Encoder, Remote cable(2/3m)

Environment

Ambient Temperature	HD	-10~50°C (14~122°F)
	ND	-10~40°C (14~104°F)
Storage Temperature		-20~65°C (-4~149°F)

Humidity	Relative humidity of 95% RH or below (without dew formation)
Vibration	9.8m/sec ² (1.0G) or below
Altitude	1,000m above sea level (From 1,000m or more, voltage/output current derating by 1% for every 100m elevation; up to 4,000m)
Certification	KC, CE, UL, cUL, Safety, BV, DNV, KR

Dimensions

Frame		H
W x H x D	mm	510 x 861 x 422.6
	inch	20.08 x 30.85 x 16.64

Drawing

