

## Standard Drive

### S100



#### General

Product code		6031001300
Product description		LSLV0300S100-4COFDS
Enclosure Rating		IP20, UL Type 1 (Optional)
Input Rating (3-Phase)	Supply Voltage [VAC]	380~480 VAC
	Rated Current [HD/Heavy Duty]	56.0 A
	Rated Current [ND/Normal Duty]	69.0 A
	Supply Frequency [Hz]	50~60 Hz
Input Rating (1-Phase)	Supply Voltage (VAC)	480 VAC
	Rated Current (HD)	56.0 A
	Rated Current (ND)	69.0 A
	Supply Frequency (Hz)	60 Hz
Output Rating (3-Phase Input)	Output Voltage (VAC)	380~480 VAC
	Motor Power HP (HD)	40.0 hp
	Motor Power HP (ND)	50.0 hp
	Motor Power kW (HD)	30.0 kW
	Motor Power kW (ND)	37.0 kW
	Output Current (HD)	61.0 A
	Output Current (ND)	75.0 A
	Rated Capacity (HD)	46.0 kVA
	Rated Capacity (ND)	55.0 kVA

	Output Frequency [Hz]	0~400 Hz
Output Rating (1-Phase Input)	Output Voltage [VAC]	-
	Motor Power HP [HD]	20 hp
	Motor Power HP [ND]	25 hp
	Output Current [HD]	32.0 A
	Output Current [ND]	39.0 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	120% for 1min
Control Method		V/F control, Slip compensation, Sensorless vector, PM sensorless
Input Terminals		7 Points
Output Terminals	Relay Output	2 Points
	Open Collector Output	1 Point
EMC Filter		Built-in
DC Reactor		Built-in
Communication	Built-in	Modbus RTU, LS INV 485
	Option	PROFINet, Modbus TCP, EtherCAT, EtherNet/IP, Profibus -DP, CANopen
Option Card		Extension I/O, Remote Cabel, Remote Keypad, Flange, C onduit

### 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 <sup>2</sup> (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

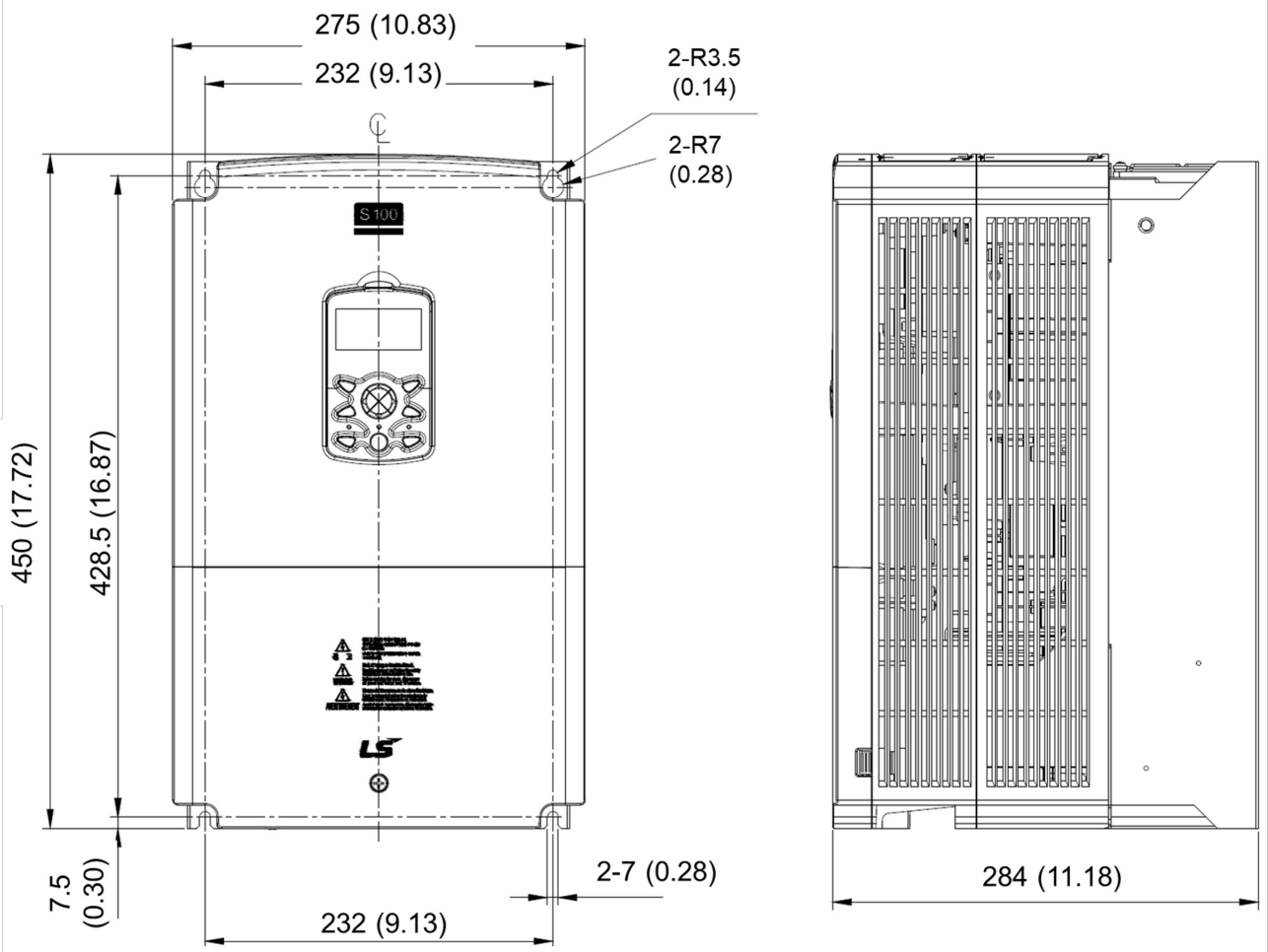
#### Dimensions

Frame	G	
W x H x D	mm	275 x 450 x 284
	inch	10.8 x 17.7 x 11.2

#### Drawing



The logo for LS ELECTRIC is displayed in a large, light gray font. The letters 'LS' are significantly larger and bolder than the word 'ELECTRIC', which is in a smaller, all-caps, sans-serif font. A small arrowhead is positioned above the top right of the 'S'.



Dimension: mm (inch)

