

Standard Drive
S100



General

Product code		6031001500
Product description		LSLV0450S100-4COFDS
Enclosure Rating		IP20, UL Type 1 (Optional)
Input Rating (3-Phase)	Supply Voltage [VAC]	380~480 VAC
	Rated Current [HD/Heavy Duty]	85.0 A
	Rated Current [ND/Normal Duty]	100.0 A
	Supply Frequency [Hz]	50~60 Hz
Input Rating (1-Phase)	Supply Voltage (VAC)	480 VAC
	Rated Current (HD)	85.0 A
	Rated Current (ND)	100.0 A
	Supply Frequency (Hz)	60 Hz
Output Rating (3-Phase Input)	Output Voltage (VAC)	380~480 VAC
	Motor Power HP (HD)	60.0 hp
	Motor Power HP (ND)	75.0 hp
	Motor Power kW (HD)	45.0 kW
	Motor Power kW (ND)	55.0 kW
	Output Current (HD)	91.0 A
	Output Current (ND)	107.0 A
	Rated Capacity (HD)	69.0 kVA
	Rated Capacity (ND)	78.0 kVA

	Output Frequency (Hz)	0~400 Hz
Output Rating (1-Phase Input)	Output Voltage [VAC]	-
	Motor Power HP [HD]	30 hp
	Motor Power HP [ND]	40 hp
	Output Current [HD]	47.0 A
	Output Current [ND]	55.0 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 conduit

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)

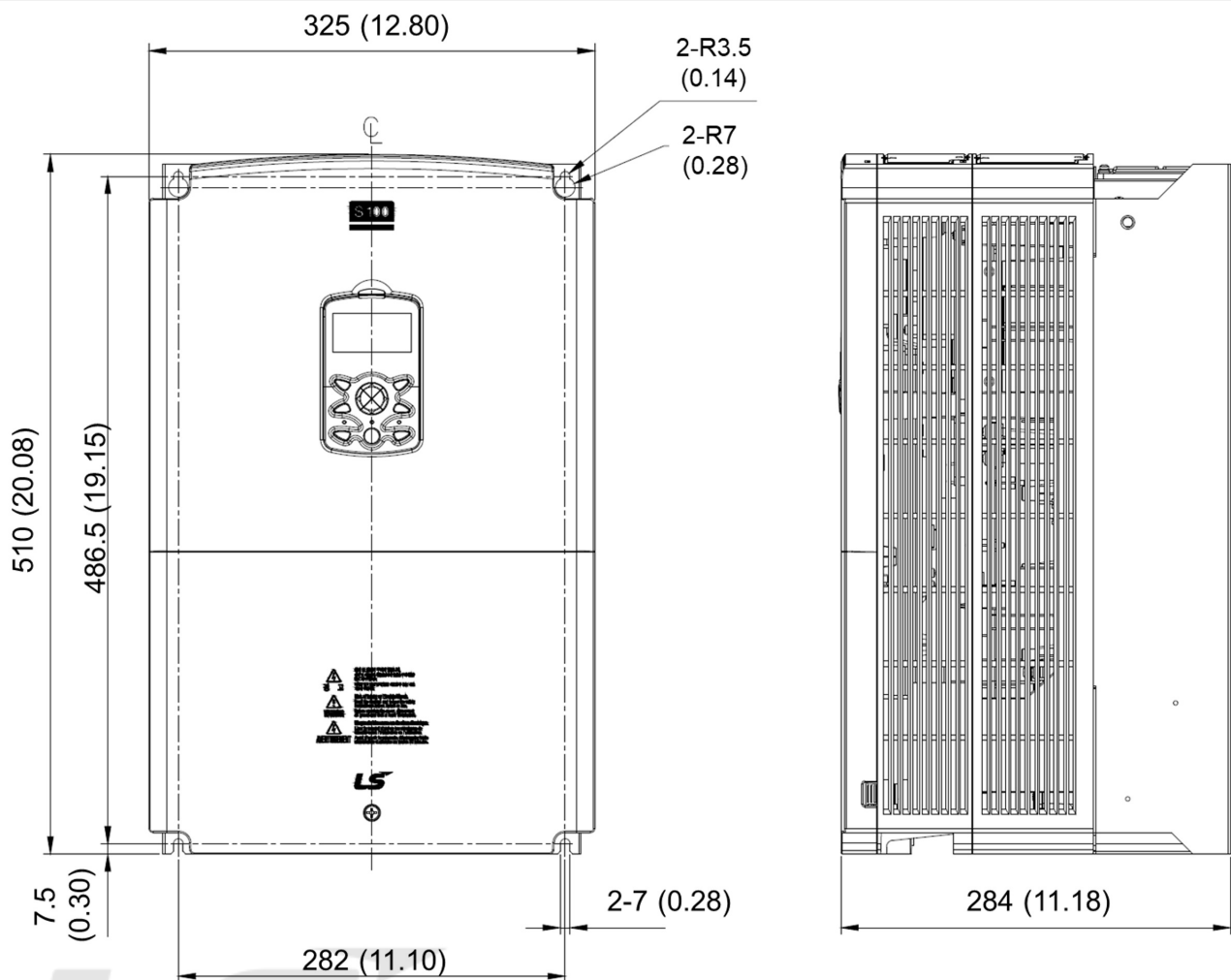
Humidity	Relative humidity of 95% RH or below (without dew formation)
Vibration	9.8m/sec ² (1.0G) or below
Altitude	1,000m above sea level (From 1,000m or more, voltage/output current derating by 1% for every 100m elevation; up to 4,000m)
Certification	KC, CE, UL, cUL, Safety

Dimensions

Frame		H
W x H x D	mm	325 x 510 x 284
	inch	12.8 x 20.1 x 11.2

Drawing

LS⁺ELECTRIC



Dimension: mm (inch)

