# Product Data Sheet Characteristics

*High Performance Drive*

## iS7

### General

| | | |
|---|---|---|
| Product code | | 6121001900 |
| Product description | | SV0037iS7-4NO |
| Enclosure Rating | | IP20 |
| Input Rating (3-Phase) | Supply Voltage [VAC] | 380~480 VAC |
| | Rated Current [HD/Heavy Duty] | 7.5 A |
| | Rated Current [ND/Normal Duty] | 11.1 A |
| | Supply Frequency [Hz] | 50~60 Hz |
| Input Rating (1-Phase) | Supply Voltage (VAC) | 480 VAC |
| | Rated Current (HD) | 7.5 A |
| | Rated Current (ND) | 11.1 A |
| | Supply Frequency (Hz) | 60 Hz |
| Output Rating (3-Phase Input) | Output Voltage (VAC) | 380~480 VAC |
| | Motor Power HP (HD) | 5 hp |
| | Motor Power HP (ND) | 7.5 hp |
| | Motor Power kW (HD) | 3.7 kW |
| | Motor Power kW (ND) | 5.5 kW |
| | Output Current (HD) | 8 A |
| | Output Current (ND) | 12 A |
| | Rated Capacity (HD) | 6.1 kVA |
| | Rated Capacity (ND) | - |

| | | |
|---|---|---|
| | Output Frequency (Hz) | 0~400 Hz |
| Output Rating (1-Phase Input) | Output Voltage [VAC] | - |
| | Motor Power HP [HD] | 2 hp |
| | Motor Power HP [ND] | 3 hp |
| | Output Current [HD] | 4.1 A |
| | Output Current [ND] | 6.1 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 | | - |
| Communication | Built-in | Modbus RTU, LS INV 485 |
| | Option | RAPIEnet+, 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) |

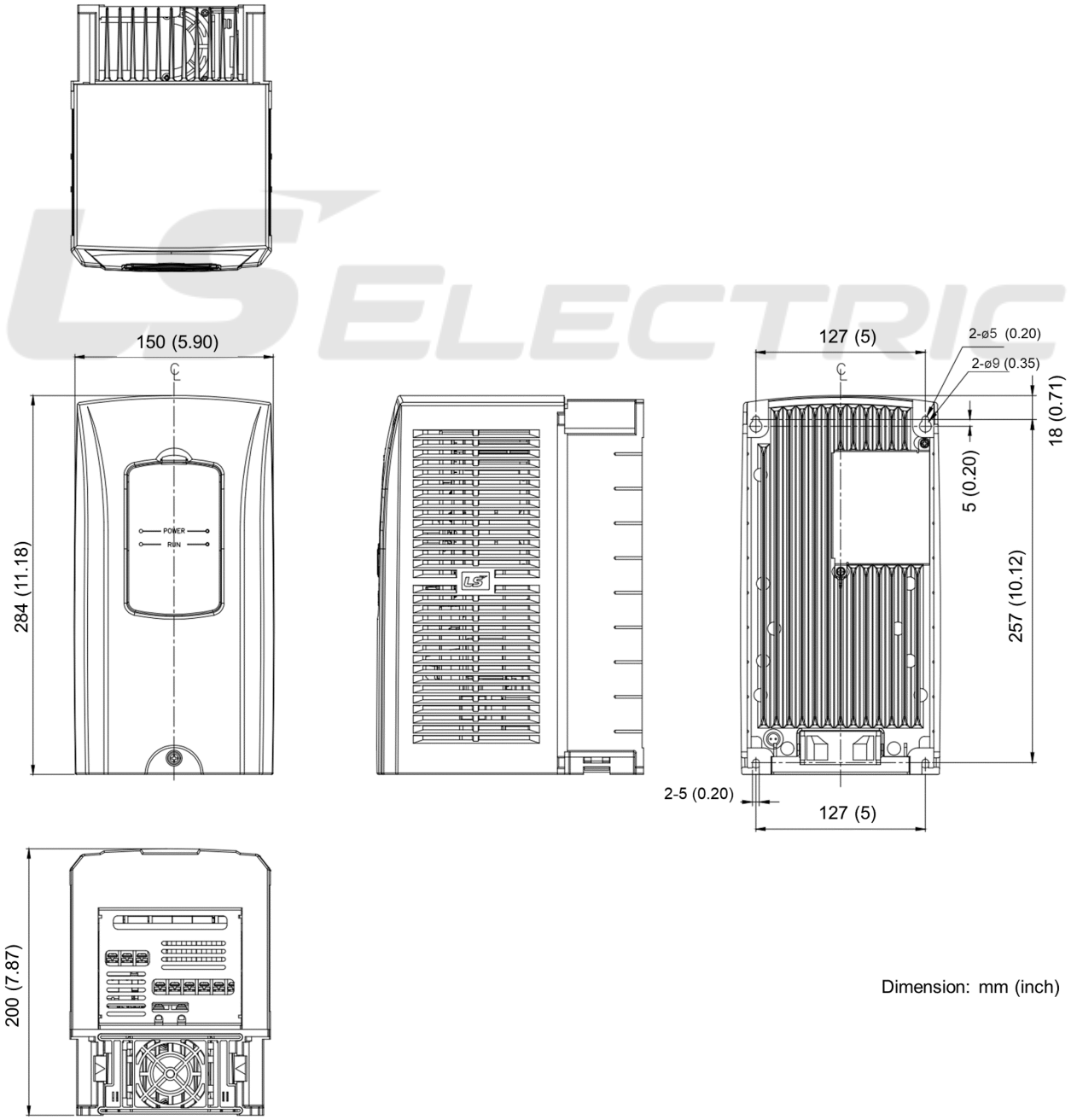
**Environment**

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

LS ELECTRIC

| | |
|---|---|
| Humidity | Relative humidity of 95% RH or below (without dew form ation) |
| Vibration | 9.8m/sec² (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, C-Tick ABS, BV, DNV, KR |

## Dimensions

| | | |
|---|---|---|
| Frame | | A |
| W x H x D | mm | 150 x 284 x 200 |
| | inch | 5.91 x 11.18 x 7.87 |

## Drawing