

## High Performance Drive

### iS7



#### General

|                               |                                |                 |
|-------------------------------|--------------------------------|-----------------|
| Product code                  |                                | 6121000100      |
| Product description           |                                | SV0008iS7-4NOFD |
| Enclosure Rating              |                                | IP20            |
| Input Rating (3-Phase)        | Supply Voltage [VAC]           | 380~480 VAC     |
|                               | Rated Current [HD/Heavy Duty]  | 2.2 A           |
|                               | Rated Current [ND/Normal Duty] | 3.7 A           |
|                               | Supply Frequency [Hz]          | 50~60 Hz        |
| Input Rating (1-Phase)        | Supply Voltage (VAC)           | 480 VAC         |
|                               | Rated Current (HD)             | 2.2 A           |
|                               | Rated Current (ND)             | 3.7 A           |
|                               | Supply Frequency (Hz)          | 60 Hz           |
| Output Rating (3-Phase Input) | Output Voltage (VAC)           | 380~480 VAC     |
|                               | Motor Power HP (HD)            | 1 hp            |
|                               | Motor Power HP (ND)            | 2 hp            |
|                               | Motor Power kW (HD)            | 0.75 kW         |
|                               | Motor Power kW (ND)            | 1.5 kW          |
|                               | Output Current (HD)            | 2.5 A           |
|                               | Output Current (ND)            | 4 A             |
|                               | Rated Capacity (HD)            | 1.9 kVA         |
|                               | Rated Capacity (ND)            | -               |

|                               |                       |          |
|-------------------------------|-----------------------|----------|
|                               | Output Frequency [Hz] | 0~400 Hz |
| Output Rating (1-Phase Input) | Output Voltage [VAC]  | -        |
|                               | Motor Power HP [HD]   | 0.5 hp   |
|                               | Motor Power HP [ND]   | 0.75 hp  |
|                               | Output Current [HD]   | 1.4 A    |
|                               | Output Current [ND]   | 2.2 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           |                       | Built-in   |
| DC Reactor           |                       | Built-in   |
| 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) |

|               |  |
|---------------|--|
| 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, 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

