

High Performance Drive

iS7



General

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|-------------------------------|--------------------------------|---------------|
| Product code | | 6120005600 |
| Product description | | SV0750iS7-2SO |
| Enclosure Rating | | IP00 |
| Input Rating (3-Phase) | Supply Voltage [VAC] | 200~240 VAC |
| | Rated Current [HD/Heavy Duty] | 305 A |
| | Rated Current [ND/Normal Duty] | 362 A |
| | Supply Frequency [Hz] | 50~60 Hz |
| Input Rating (1-Phase) | Supply Voltage (VAC) | 240 VAC |
| | Rated Current (HD) | 305 A |
| | Rated Current (ND) | 362 A |
| | Supply Frequency (Hz) | 60 Hz |
| Output Rating (3-Phase Input) | Output Voltage (VAC) | 200~230 VAC |
| | Motor Power HP (HD) | 100 hp |
| | Motor Power HP (ND) | 125 hp |
| | Motor Power kW (HD) | 75 kW |
| | Motor Power kW (ND) | 90 kW |
| | Output Current (HD) | 288 A |
| | Output Current (ND) | 345 A |
| | Rated Capacity (HD) | 116 kVA |
| Rated Capacity (ND) | - | |

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| | Output Frequency [Hz] | 0~400 Hz |
| Output Rating (1-Phase Input) | Output Voltage [VAC] | - |
| | Motor Power HP [HD] | 50 hp |
| | Motor Power HP [ND] | 60 hp |
| | Output Current [HD] | 149.0 A |
| | Output Current [ND] | 178.0 A |
| | Rated Capacity [HD] | - |
| | Rated Capacity [ND] | - |
| | Output Frequency [Hz] | - |

General

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|----------------------|-----------------------|---|
| 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 | RAPIDnet+, EtherNet/IP, Modbus TCP, CANopen, Profibus-DP, PROFINET, CC-LINK, CC-LINK IE |
| Option Card | | PLC, Extension I/O, Synchronous, Position, Binary input, Encoder, 24V Encoder, Remote cable(2/3m) |

Environment

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|---------------------|----|--|
| 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) |

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| 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, C-Tick ABS, BV, DNV, KR |

Dimensions

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|-----------|------|-----------------------|
| Frame | G | |
| W x H x D | mm | 465 x 750 x 355.6 |
| | inch | 18.31 x 29.523 x 14.0 |

Drawing

