

VFD Packaged Solution

SP100



General

|                               |                                |                      |
|-------------------------------|--------------------------------|----------------------|
| Product code                  |                                | 6731005600           |
| Product description           |                                | LSLV0075SP100-4CEFD3 |
| Enclosure Rating              |                                | UL Type1             |
| Input Rating (3-Phase)        | Supply Voltage [VAC]           | 480 VAC              |
|                               | Rated Current [HD/Heavy Duty]  | 13.1 A               |
|                               | Rated Current [ND/Normal Duty] | 17.5 A               |
|                               | Supply Frequency [Hz]          | 60 Hz                |
| Input Rating (1-Phase)        | Supply Voltage (VAC)           | -                    |
|                               | Rated Current (HD)             | -                    |
|                               | Rated Current (ND)             | -                    |
|                               | Supply Frequency (Hz)          | -                    |
| Output Rating (3-Phase Input) | Output Voltage (VAC)           | 480 VAC              |
|                               | Motor Power HP (HD)            | 7.5 hp               |
|                               | Motor Power HP (ND)            | 10 hp                |
|                               | Motor Power kW (HD)            | 5.5 kW               |
|                               | Motor Power kW (ND)            | 7.5 kW               |
|                               | Output Current (HD)            | 12 A                 |
|                               | Output Current (ND)            | 16 A                 |
|                               | Rated Capacity (HD)            | -                    |
|                               | Rated Capacity (ND)            | 12.2 kVA             |

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

### General

|                      |                       |                                                                       |
|----------------------|-----------------------|-----------------------------------------------------------------------|
| Short Circuit Rating |                       | 100kA (IEC 60439-1)                                                   |
| Overload Capacity    | HD                    | -                                                                     |
|                      | ND                    | 120% for 1min                                                         |
| Control Method       |                       | V/F Control(IM/PM), Slip compensation, Bypass features                |
| Input Terminals      |                       | 6 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                | RAPIDnet+, EtherNet/IP, Modbus TCP, BACNet/IP                         |
| Option Card          |                       | Extension I/O, Remote cable(2/3m), Flange, Conduit, Disconnect switch |

### 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                                                                                                             |

### Dimensions

|           |      |                       |
|-----------|------|-----------------------|
| Frame     | A    |                       |
| W x H x D | mm   | 168.9 x 927.4 x 226.7 |
|           | inch | 6.65 x 36.61 x 8.93   |

### Drawing

