

Fan & Pump Drive

H100+



General

|                               |                                |                            |
|-------------------------------|--------------------------------|----------------------------|
| Product code                  |                                | 67310037PL                 |
| Product description           |                                | LSLV0450H100-4COFD(PLUS)   |
| Enclosure Rating              |                                | IP20, UL Type 1 (Optional) |
| Input Rating (3-Phase)        | Supply Voltage [VAC]           | 380~480 VAC                |
|                               | Rated Current [HD/Heavy Duty]  | 64.5 A                     |
|                               | Rated Current [ND/Normal Duty] | 84.6 A                     |
|                               | Supply Frequency [Hz]          | 50~60 Hz                   |
| Input Rating (1-Phase)        | Supply Voltage (VAC)           | 480 VAC                    |
|                               | Rated Current (HD)             | -                          |
|                               | Rated Current (ND)             | 84.6 A                     |
|                               | Supply Frequency (Hz)          | 60 Hz                      |
| Output Rating (3-Phase Input) | Output Voltage (VAC)           | 380~480 VAC                |
|                               | Motor Power HP (HD)            | 50 hp                      |
|                               | Motor Power HP (ND)            | 60 hp                      |
|                               | Motor Power kW (HD)            | 37 kW                      |
|                               | Motor Power kW (ND)            | 45 kW                      |
|                               | Output Current (HD)            | 67 A                       |
|                               | Output Current (ND)            | 91 A                       |
|                               | Rated Capacity (HD)            | -                          |
|                               | Rated Capacity (ND)            | 69.4 kVA                   |

|                               |                       |          |
|-------------------------------|-----------------------|----------|
|                               | Output Frequency (Hz) | 0~400 Hz |
| Output Rating (1-Phase Input) | Output Voltage [VAC]  | -        |
|                               | Motor Power HP [HD]   | -        |
|                               | Motor Power HP [ND]   | 30 hp    |
|                               | Output Current [HD]   | -        |
|                               | Output Current [ND]   | 47 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(IM/PM), Slip compensation                                  |
| Input Terminals      |                       | 7 Points                                                               |
| Output Terminals     | Relay Output          | 5 Points                                                               |
|                      | Open Collector Output | 1 Point                                                                |
| EMC Filter           |                       | Built-in                                                               |
| DC Reactor           |                       | Built-in                                                               |
| Communication        | Built-in              | Modbus RTU, LS INV 485, BACnet/MSTP, Lonworks, Me taSys N2             |
|                      | Option                | RAPiEnet+, EtherNet/IP, Modbus TCP, BACNet/IP                          |
| Option Card          |                       | Extension I/O, Remote cabel(2/3m), Flange, Conduit, Dis connect switch |

#### Environment

|                     |    |                                                               |
|---------------------|----|---------------------------------------------------------------|
| Ambient Temperature | HD | -10~50°C (14~122°F)                                           |
|                     | ND | -10~40°C (14~104°F) (Up to +50 °C with derate)                |
| Storage Temperature |    | -20~65°C (-4~149°F)                                           |
| Humidity            |    | Relative humidity of 95% RH or below (without dew form ation) |

|               |                                                                                                                             |
|---------------|-----------------------------------------------------------------------------------------------------------------------------|
| 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     |      | E                     |
| W x H x D | mm   | 325 x 510 x 284       |
|           | inch | 12.80 x 20.08 x 11.18 |

### Drawing

