

Top 100
Global
Innovator
for 10 years

H100+ (Plus)

GAME CHANGER

Featuring new fan & pump control functions!



3-phase 240V 1HP~25HP
3-phase 480V 1HP~800HP

LS *ELECTRIC*

H100+



Evolution of Pumping Controls

LS ELECTRIC's H100+ is superior drive that operates variable speed control of AC motor pumps. Minimal setup and no extra equipment are required to achieve outstanding pump control and operations utilizing H100+ drive features.

ECO-friendly and Energy Saving

The H100+ is an eco-friendly and energy-saving solution designed for fan and pump systems. Up to 40% of energy savings can be achieved by optimizing speed control. The H100+ includes newly integrated pump control and protection features for reliable operation.



- **UL** - Standard UL 61800-5-1
- **cUL** - CSA Standard C22.2 No. 14
- **CE** - Standard EN 61800-3, CEN61800-5-1, EN50178
- **Korean** - Standard KN 61800-3
- **Marine** - ABS, DNV/GL, LR, KR, NK, BV, RINA, CCS, RS
- **OSHDP** Seismic Certification
- **Plenum Rated**
- **ROHS compliant**

Up to 70 % of fresh water is used for irrigation purposes. H100+ is used for careful distribution and conservation which is crucial for sustainable supplies.

H100+ provides irrigation solutions that meet customer needs:

- Smooth operation and protection from equipment damage
- Even flow and pressure to each nozzle along a pivot
- Protection against dry-running and cavitation
- Safe operation with unstable power supplies





Voltage Line-up Extension!!!

- 230V class 22 to 90kW (30 to 125HP) (Coming soon)
- 575V class 5.5 to 90kW (7.5 to 125HP) (Coming soon)

Newly added features of H100+

- New pump control functions
- User-friendly key control
- Improved PID performance

Existing Features for fans & pumps of H100

Soft Fill Operation
Dec Valve Ramp
Multi Motor Control
Scheduling (Real Time Clock)
Flow Compensation
Power-on Resume
Sleep Boost
Lubrication Control
Damper Control
Detection of Pipe Broken
Level Detection
Pre-Heat
Under Load Protection
Pump Clean
Load Tuning
Fire Mode



Added New features for pumps of H100+

No-Flow Control
Flow Monitoring
PI Auxiliary (Suction/Level/Vacuum) Control
Over-Cycling Protection
Differential Level Detection
Low/High Feedback Detection
Setpoint Timeout
Current Limit
Thrust Bearing Control
Pump Minimum Speed
Improved Hand-Off-Auto Keypad
Power-On Run for Keypad Command
Lead-Lag
Enhanced PID Performance
Simplify PID Group
Various Sleep Mode & Method
Selectable Wake-Up Method (Absolute, Deviation)
Wake-Up Disable Mode
Backspin Timer
Single Phase Protection
Dual Rating

※ Deleted "external PID", "Payback Counter",
"M2 group" from H100

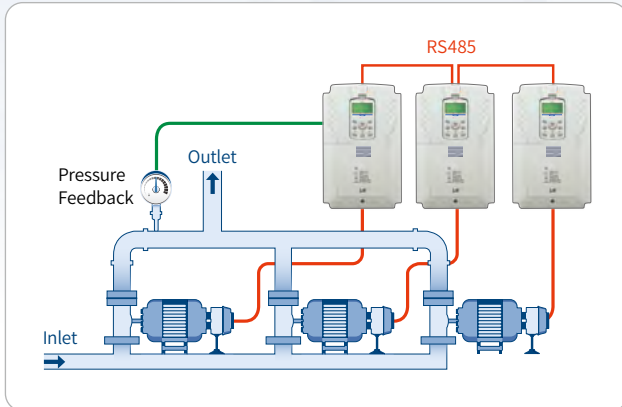




Added Pump Control Features

The minimal setup and no extra equipment are required to achieve outstanding pump control and operations by using the H100+'s pump driven features.

Lead-lag



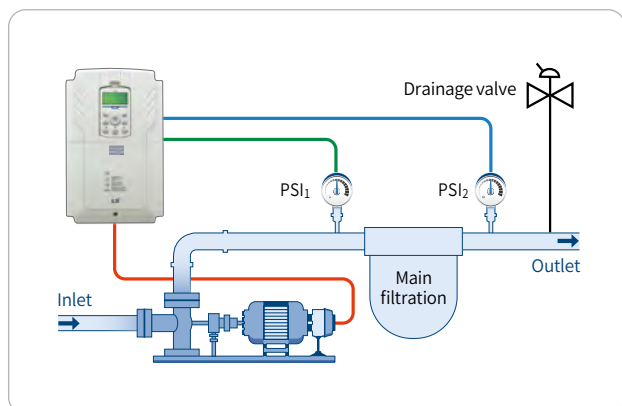
Lead-lag is a fully redundant pump system where multiple drives and pumps are coupled and used to operate at the optimum efficiency.

The system can be fully customized per the application needs. If the master drive fails the next drive would take over to maintain pressure.

Additionally, pump operation sequence can be set based on the operation time, FIFO, or FILO. H100+'s cutting edge load-sharing feature ensures smooth alternation staging and destaging of pumps, and most importantly makes the most cost-effective operation possible.

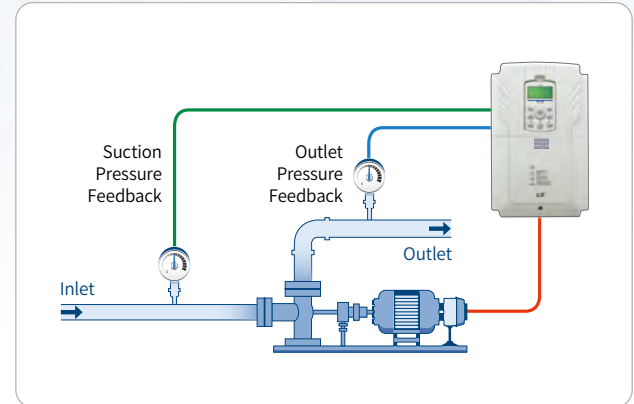
※Up to 8 VFD/Motors can be set for lead-lag control

Differential Level Detection



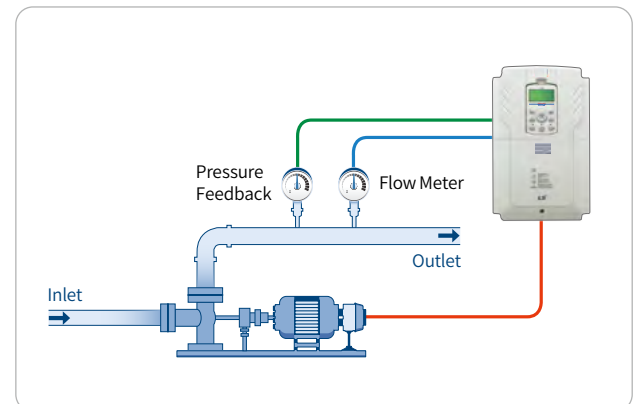
The difference between two feedbacks is monitored and measured for backflush operation for filter clog detection.

PI Auxiliary Control



H100+ can be used as a standalone PI with a transducer or in parallel when using a secondary pressure transducer. This function allows the H100+ to monitor suction pressure at the inlet of the pump and control the output frequency accordingly.

Flow Monitoring



Useful application for pumping systems which regulate and limit how much water can be pumped out rivers, stream, and aquifers.

- Display flow rate
- Trigger High/Low flow rate trips, warnings, and outputs.
- Accumulation Counter PID control by Flow feedback



Pump Protection Features

No-flow control

By controlling the output frequency and monitoring the change of the feedback value simultaneously, H100+ can detect no flow condition. No-flow conditions can be caused by closed off valves or restrictions, also known as deadhead. When no-flow is detected, H100+ puts pump into sleep mode protecting the pump and pipeline from damage that may occur by operating in such condition.

Over-cycle Protection

Cycling refers to when the VFD switches from the normal operation of Auto mode to the Sleep mode. By counting and controlling the number of the cycle, H100+ can prevent pumps from cycling too frequently.

Low/High Feedback Detection

H100+ detects Low/High feedback level based on the configured parameter value and generates warning, trip, or digital output by monitoring feedback values continuously.

Setpoint Timeout

A blockage of the impeller, pump over-cycling, a broken pipe condition, or other restrictions could sometimes cause the feedback value deviates undesirably from the setpoint. H100+ continuously monitors the setpoint and feedback values to provide warning or trip when the difference between them is greater than configured parameter level and time.

Current Limit

H100+ monitors the current level and reduces the output speed when the motor current increases to overload condition to prevent tripping, while maintaining the output frequency above the minimum speed.



PID Control

- Improved PID performance (fast & precise)
- Easy setup with the simplified parameter group
- Various sleep & wake-up modes
- Supplementary features for PID operation



Intuitive and User Friendly

H100+ commissioning and start-ups are easy and intuitive due to the user friendly keypad.

- Enhanced hand-off-auto keypad
- Simplified PID group added
- HMI solutions tailored to your pump & fan application



Application Adaptability

- Dual rating operation : Designed to be used for heavy and normal duty applications.
- UL Tested and Approved for use on Single-Phase Power



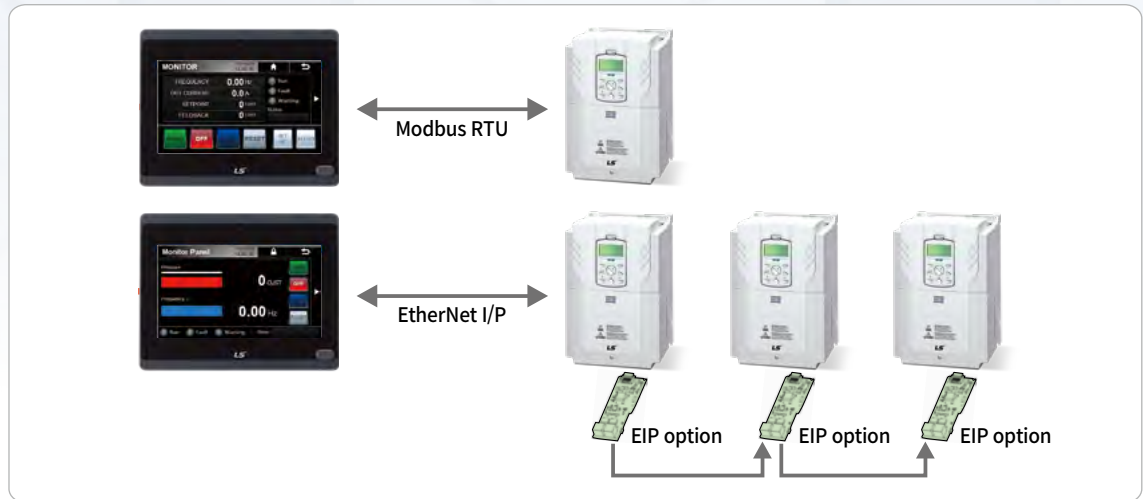
Features for HVAC

- SCCR 100KA
- Metasys N2, BACnet MS/TP is embedded as standard
- BACnet I/P option can be added
- Plenum Rated
- OSHPD Seismic design



Enhanced Monitoring and Programming with HMI

Pump controlling interface embedded in HMI for easy & remote control and Hand-Off-Auto operation also available through HMI.



※ EtherNet I/P communication has to be used with H100+ to monitor and control via HMI in lead-lag operation.

Features included:

- Hand-off-auto operation features
- Parameter settings
- Trend monitoring
- Wizard
- Parameter read/write
- Timer function
- Trip log
- Multi VFD control
- Parameter Lock/Password



eXP2 Series (Standard)

- Fully compatible with prior eXP generation models
- Improved project downloading speed, screen switching speed, booting time, and graphic rendering
- Enhanced product reliability (LCD backlight lifespan, Non battery type NVRAM)
- Variety of interfaces and functions including FTP, PDF Reader, etc.

Effective and Cost-efficient Control and Monitoring Solution

Standard	10.2"[25.9Cm]	7"[17.7Cm]	5.6"[14.2Cm]	4.3"[10.9Cm]
 Serial I/F (RS-232C)  Serial I/F (RS422/485)  Serial I/F (RS-485)  USB I/F  Ethernet I/F  Micro SD Card I/F	eXP2-100  TFT 16.7M Colors WSVGA(1024 X 600)	eXP2-070  TFT 16.7M Colors WVGA(800×480)	eXP2-050  TFT 262,144 Colors VGA(680×480)	eXP2-040  TFT 16.7M Colors VGA(480×272)

※ Pre-built program can be provided for **eXP2-040 (4.3")** and **eXP2-070 (7")**.

※ Contact LS Electric America for consultation.

Model & Type

Motor Rating	Horse Power	3-Phase 200V	3-Phase 400V
		Description	Description
0.75 kW	1 HP	INV,LSLV0008H100-2CONN(PLUS)	INV,LSLV0008H100-4COFN(PLUS)
1.5 kW	2 HP	INV,LSLV0015H100-2CONN(PLUS)	INV,LSLV0015H100-4COFN(PLUS)
2.2 kW	3 HP	INV,LSLV0022H100-2CONN(PLUS)	INV,LSLV0022H100-4COFN(PLUS)
3.7 kW	5 HP	INV,LSLV0037H100-2CONN(PLUS)	INV,LSLV0037H100-4COFN(PLUS)
5.5 kW	7.5 HP	INV,LSLV0055H100-2CONN(PLUS)	INV,LSLV0055H100-4COFN(PLUS)
7.5 kW	10 HP	INV,LSLV0075H100-2CONN(PLUS)	INV,LSLV0075H100-4COFN(PLUS)
11 kW	15 HP	INV,LSLV0110H100-2CONN(PLUS)	INV,LSLV0110H100-4COFN(PLUS)
15 kW	20 HP	INV,LSLV0150H100-2CONN(PLUS)	INV,LSLV0150H100-4COFN(PLUS)
18.5 kW	25 HP	INV,LSLV0185H100-2CONN(PLUS)	INV,LSLV0185H100-4COFN(PLUS)
22 kW	30 HP		INV,LSLV0220H100-4COFN(PLUS)
30 kW	40 HP		INV,LSLV0300H100-4COFN(PLUS)
37 kW	50 HP		INV,LSLV0370H100-4COFD(PLUS)
			INV,LSLV0370H100-4COND(PLUS)
45 kW	60 HP		INV,LSLV0450H100-4COFD(PLUS)
			INV,LSLV0450H100-4COND(PLUS)
55 kW	75 HP		INV,LSLV0550H100-4COFD(PLUS)
			INV,LSLV0550H100-4COND(PLUS)
75 kW	100 HP		INV,LSLV0750H100-4COFD(PLUS)
90 kW	125 HP		INV,LSLV0900H100-4COFD(PLUS)
110 kW	150 HP		INV,LSLV1100H100-4COFD(PLUS)
132 kW	200 HP		INV,LSLV1320H100-4COFD(PLUS)
160 kW	250 HP		INV,LSLV1600H100-4COFD(PLUS)
185 kW	300 HP		INV,LSLV1850H100-4COFD(PLUS)
220 kW	350 HP		INV,LSLV2200H100-4COFD(PLUS)
250 kW	400 HP		INV,LSLV2500H100-4COFD(PLUS)
315 kW	500 HP		INV,LSLV3150H100-4COFD(PLUS)
355 kW	550 HP		INV,LSLV3550H100-4COFD(PLUS)
400 kW	650 HP		INV,LSLV4000H100-4COFD(PLUS)
500 kW	800 HP		INV,LSLV5000H100-4COFD(PLUS)



① LSLV0055H100-2CONN(PLUS) IE2(1.5%)

② INPUT 200-240 V 3 Phase 50/60 Hz
ND : 23.7A

③ OUTPUT 0-Input V 3 Phase 0.01~400 Hz
ND : 22A
8.4kVA (D)
Ser. No 12030100001
Inspected by K.D.Hong
MSIP-REM-LSR-XXXXXXX

LS ELECTRIC MADE IN KOREA

1. Model name
2. Power source specification
3. Output specification

LSLV

0055

H100

-

4

C

O

F

N(PLUS)

Series Name

Motor Capacity

0008-0.75kW	0150-15kW	0750-75kW	2500-250kW
0015-1.5kW	0185-18.5kW	0900-90kW	3150-315kW
0022-2.2kW	0220-22kW	1100-110kW	3550-355kW
0037-3.7kW	0300-30kW	1320-132kW	4000-400kW
0055-5.5kW	0370-37kW	1600-160kW	5000-500kW
0075-7.5kW	0450-45kW	1850-185kW	
0110-11kW	0550-55kW	2200-220kW	

Keypad Type

C: LCD Keypad

EMC Filter

F: Built-in EMC

N: Non EMC

Input Voltage

2 : 3-phase 200~240V

4 : 3-phase 380~480V

UL Type

O: UL Open

E : UL Type1

Reactor

D: Built in DC Reactor

N: Non DC Reactor

PLUS: Sub Series Name

Input & Output Specification

200 – 240V, 1 – 25HP (0.75 – 18.5kW)

Model H100 XXXX-2 (PLUS)				0008	0015	0022	0037	0055	0075	0110	0150	0185
Applied Motor	Heavy Duty (150% OL)		HP	0.5	1	2	3	5	7.5	10	15	20
			kW	0.4	0.75	1.5	2.2	3.7	5.5	7.5	11	15
	Normal Duty (120% OL)		HP	1	2	3	5	7.5	10	15	20	25
			kW	0.75	1.5	2.2	3.7	5.5	7.5	11	15	18.5
Rated Output	Rated Capacity (kVA)			1.9	3	4.5	6.1	8.4	11.4	16	21.3	26.3
	Rated Current(A)	3-Phase input	HD	2.5	5	8	11	17	24	32	46	60
			ND	5	8	12	16	22	30	42	56	69
		Single Phase input (ND)		2.9	4.4	6.4	8.4	11	16	23	30	37
	Output Frequency			0–400 Hz								
	Output Voltage (V)			3-Phase 200–240 V								
Rated Input	Working Voltage (V)	3-Phase		3-Phase 200–240 VAC (-15%–+10%)								
		1-Phase		1-Phase 240 VAC (-5%–+10%)								
	Input Frequency	3-Phase		50–60 Hz (±5%)								
		1-Phase		60 Hz (±5%)								
	Rated Current (A)		HD	2.4	4.9	8.4	11.8	18.5	26.2	35.4	51.4	67.6
			ND	4.9	8.4	12.9	17.5	23.7	32.7	46.4	62.3	77.2
Weight (lb)				7.3	7.3	7.3	7.3	7.3	7.3	7.5	10.1	10.6

200 – 240V, 30 – 125HP (22 – 90kW) release date TBD

Model H100 XXXX-2 (PLUS)			0220	0300	0370	0450	0550	0750	0900		
Applied Motor	Heavy Duty (150% OL)		HP	25	30	40	50	60	75	100	
			kW	18.5	22	30	37	45	55	75	
	Normal Duty (30 – 60HP : 120% OL, 75 – 125HP: 110%)		HP	30	40	50	60	75	100	125	
			kW	22	30	37	45	55	75	90	
Rated Output	Rated Capacity (kVA)			31.2	41.9	54.1	64.4	85.0	100.6	123.8	
	Rated Current(A)	3-Phase input	HD	68	81	106	136	169	195	255	
			ND	82	110	142	169	223	264	325	
		Single Phase input (ND)		45	58	78	92	122	145	178	
	Output Frequency			0–400 Hz							
	Output Voltage (V)			3-Phase 200–240 V							
Rated Input	Working Voltage (V)	3-Phase		3-Phase 200–240 VAC (-15%–+10%)							
		1-Phase		1-Phase 240 VAC (-5%–+10%)							
	Input Frequency	3-Phase		50–60 Hz (±5%)							
		1-Phase		60 Hz (±5%)							
	Rated Current (A)			HD	62.1	74.4	97.9	128.0	160.0	185.7	245.7
				ND	74.8	101.0	131.2	159.0	211.1	251.4	313.2
Weight (lb)				55.8	72.5	86.4	90.6	118.2	121.9	159.2	

380 – 480V, 1 – 30HP (0.75 – 22kW)

Model H100 XXXX-4 (PLUS)				0008	0015	0022	0037	0055	0075	0110	0150	0185	0220
Applied Motor	Heavy Duty (150% OL)		HP	0.5	1	2	3	5	7.5	10	15	20	25
			kW	0.4	0.75	1.5	2.2	3.7	5.5	7.5	11	15	18.5
	Normal Duty (120% OL)		HP	1	2	3	5	7.5	10	15	20	25	30
			kW	0.75	1.5	2.2	3.7	5.5	7.5	11	15	18.5	22
Rated Output	Rated Capacity (kVA)			1.9	3	4.5	6.1	9.1	12.2	18.3	23	29	34.3
	Rated Current(A)	3-Phase input	HD	1.3	2.5	4	5.5	8	12	15	22	28	35
			ND	2.5	4	6	8	12	16	24	30	38	45
		Single Phase input (ND)		1.6	2.4	3.5	4.6	6.8	9.2	14	17	22	26
	Output Frequency			0–400 Hz									
	Output Voltage (V)			3-Phase 380–480 V									
Rated Input	Working Voltage (V)	3-Phase		3-Phase 380–480 VAC (-15%–+10%)									
		1-Phase		1-Phase 480 VAC (-5%–+10%)									
	Input Frequency	3-Phase		50–60 Hz (±5%)									
		1-Phase		60 Hz (±5%)									
	Rated Current (A)		HD	1.3	2.4	4.2	5.9	8.7	13.1	16.6	24.6	31.5	39.4
			ND	2.4	4.2	6.5	8.7	12.2	17.5	26.5	33.4	42.5	50.7
Weight (lb)				7.3	7.3	7.3	7.3	7.3	7.3	7.5	10.1	10.6	16.5

380 – 480V, 40 – 125HP (30 – 90kW)

Model H100 XXXX-4 (PLUS)			0300	0370	0450	0550	0750	0900	
Applied Motor	Heavy Duty (150% OL)		HP	30	40	50	60	75	100
			kW	22	30	37	45	55	75
	Normal Duty (30 – 60HP : 120% OL, 75 – 125HP: 110%)		HP	40	50	60	75	100	125
			kW	30	37	45	55	75	90
Rated Output	Rated Capacity (kVA)			46.5	57.1	69.4	82	108.2	128.8
	Rated Current(A)	3-Phase input	HD	41	55	67	81	106	136
			ND	61	75	91	107	142	169
		Single Phase input (ND)		36	39	47	55	73	86
	Output Frequency			0–400 Hz					
	Output Voltage (V)			3-Phase 380–480 V					
Rated Input	Working Voltage (V)	3-Phase		3-Phase 380–480 VAC (-15%–+10%)					
		1-Phase		1-Phase 480 VAC (-5%–+10%)					
	Input Frequency	3-Phase		50–60 Hz (±5%)					
		1-Phase		60 Hz (±5%)					
	Rated Current (A)		HD	46.7	52.3	64.5	78	100.9	134.1
			ND	69.1	69.3	84.6	100.1	133.6	160
Weight (lb)				16.5	57.3	77.2	77.2	94.8	94.8

Input & Output Specification

380 – 480V, 150 – 800HP (110 – 500kW)

Model H100 XXXX-4 (PLUS)			1100	1320	1600	1850	2200	2500	3150	3550	4000	5000
Applied Motor	Heavy Duty (150% OL)	HP	125	150	200	250	250	300	400	450	500	650
		kW	90	110	132	160	185	220	250	315	355	400
	Normal Duty (110% OL)	HP	150	200	250	300	350	400	500	550	650	800
		kW	110	132	160	185	220	250	315	355	400	500
Rated Output	Rated Capacity (kVA)		170	201	248	282	329	367	467	520	587	733
	Rated Current(A)	HD	169	195	255	303	345	375	478	541	591	740
		ND	223	264	325	370	432	481	613	683	770	962
	Output Frequency		0-400 Hz									
	Output Voltage (V)		3-Phase 380-500 V									
Rated Input	Working Voltage (V)		3-Phase 380-500VAC (-15%--+10%)									
	Input Frequency		50-60 Hz (±5%)									
	Rated Current (A)	HD	159.5	186.2	243.4	291	331.3	360.1	461.7	522.5	570.8	714.7
		ND	215.1	254.6	315.3	358.9	419.1	469.3	598.1	666.4	751.3	938.6
Weight (lb)			123.0	123.0	164.7	164.7	264.6	264.6	409.0	409.0	409.0	584.2

525 – 600V, 7.5 – 30HP (5.5 – 22kW) release date TBD

Model H100 XXXX-5 (PLUS)			0055	0075	0110	0150	0185	0220
Applied Motor	Heavy Duty (150% OL)	HP	5	7.5	10	15	20	30
		kW	3.7	5.5	7.5	11	15	18.5
	Normal Duty (110% OL)	HP	7.5	10	15	20	25	30
		kW	5.5	7.5	11	15	18.5	22
Rated Output	Rated Capacity (kVA)		9.0	12.0	16.9	22.9	26.9	33.9
	Rated Current(A)	HD	6.6	9.0	12.0	17.0	23.0	27.0
		ND	9.0	12.0	17.0	23.0	27.0	34.0
	Output Frequency		0-120 Hz					
	Output Voltage (V)		3-Phase 575 V					
Rated Input	Working Voltage (V)		3-Phase 525-600 VAC (-15%+10%)					
	Input Frequency		60 Hz (±5%)					
	Rated Current (A)	HD	6	8.1	11	15.7	21.5	24.7
		ND	8.0	10.7	15.3	20.9	25.0	30.8
Weight (lb)			20.9	21.2	21.9	22.1	22.4	31.5

525 – 600V, 40 – 125HP (30.0 – 90.0kW) release date TBD

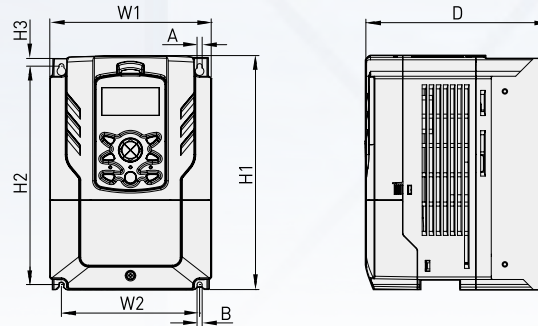
Model H100 XXXX-5 (PLUS)			0300	0370	0450	0550	0750	0900
Applied Motor	Heavy Duty (150% OL)	HP	30	40	50	60	75	100
		kW	22	30	37	45	55	75
	Normal Duty (110% OL)	HP	40	50	60	75	100	125
		kW	30	37	45	55	75	90
Rated Output	Rated Capacity (kVA)		42.8	54.8	63.7	79.7	103.6	127.48
	Rated Current(A)	HD	32.2	41.6	52	60	80	104
		ND	40.2	52.0	59.8	73.9	101.9	122.4
	Output Frequency		0-120 Hz					
	Output Voltage (V)		3-Phase 575 V					
Rated Input	Working Voltage (V)		3-Phase 525-600 VAC (-15%~+10%)					
	Input Frequency		60 Hz (±5%)					
	Rated Current (A)	HD	32.2	41.6	52	60	80	104
		ND	40.2	52.0	59.8	73.9	101.9	122.4
Weight (lb)			32.3	55.1	74.1	74.3	96.1	96.4

Product Details

Items			Description		
Control	Control Method		V/F control, Slip compensation.		
	Frequency Set Resolution		Digital command: 0.01 Hz Analog command: 0.06 Hz (60 Hz standard)		
	Control Degree of Frequency		1% of the maximum output frequency		
	V/F Pattern		Linear, squared overload reduction and user V/F		
	Overload capacity		0.75~90kW 110~500kW	Rated Current: Normal duty 120% 1 min., Heavy duty 150% 1min Rated Current: Normal duty 110% 1 min., Heavy duty 150% 1min	
	Torque boost		Manual torque boost, automatic torque boost.		
Operation	Drive Mode		Optional: Keypad, terminal board or communication control		
	Frequency Settings		Analog type: -10~10 V, 0~10 V, 0~20 mA Digital mode: Keypad and pulse train input		
	Operation Functions		PID control, 3-Wire control, Frequency limitation, Secondary Functions, Forward/ Reverse rotation prohibited, DC braking, Commercial power switching, Speed search, Power braking, Reduction of leakage, Up-Down control, DC braking Flux braking, Frequency pump, Slip compensation, Automatic restart, Automatic tuning, Energy buffering control, Energy-saving control, Lead-Lag		
	Input	Multi Function Terminal (7EA)	The following functions can be set using IN-65~71 code parameters between PNP(Source) and NPN(Sink). Forward direction operation, Reverse direction operation, Reset, External trip, Emergency stop, Jog operation, Multi step speed frequency-high/med/low, Multi step acc/dec-high/med/low, DC braking during stop, Second motor selection, 3-wire, Frequency reduction, Fix analog command frequency, Transition from PID to general operation, Pre Heat, Pump Cleaning, RTC(Time Event), MMC Interlock, Select acc/dec/stop, Frequency increase, Hand State, Sleep Wake up change, Fire Mode, Damper control		
			Pulse Train		0~32 kHz, Low Level: 0~0.8 V, High Level: 3.5~12 V
	Output	Multifunctional Open Collector Terminal		Less than DC 26 V, 50 mA	
		Failure (Fault) Relay Terminal	Fault output and inverter operation status output	N.O.: Less than AC 250 V 2A, DC 30 V, 3A N.C.: Less than AC 250 V 1A, DC 30 V 1A	
		Multifunctional Relay Terminal		Less than AC 250 V, 5 A Less than DC 30 V, 5 A	
		Analog Output	0~12 Vdc(0~20 mA): Select frequency, output current, output voltage, DC terminal voltage, and others.		
	Pulse Train	Maximum 32 kHz, 0~12 V			
	Protection Function	Trip		Over-current trip, Trip caused by external signals, ARM short-circuit current trip, Overheat trip, Pipe broken trip, Input open-phase trip Ground trip, Motor overheat trip, IO board connection trip, No Motor trip, Parameter Write trip, Emergency stop trip, Command loss trip, External memory error, CPU watchdog trip, Motor under-load trip, Overvoltage trip, Temperature sensor trip, Drive overheat, Option trip, Output open-phase trip, Drive overload trip, Fan trip, Inner fan trip, Low voltage trip during operation, Low voltage trip, Analog input error, Motor overload trip, Keypad command loss trip, Damper trip, Level Detect trip, All auxiliary motor failure trip, Pump clean failure (fault), Differential level trip, Lost feedback trip, MF dir error, MF Interlock, Field bus watchdog trip, Accumulated flow volume trip, Low/High flow rate trip, Sleep over cycle trip, Setpoint timeout trip, Low/High feedback trip, PI aux low/high level detection trip, Level detect trip	
Warning		Command loss trip warning, overload warning, under-load warning, drive overload warning, fan operation, warning, damping resistance brake percentage warning, capacitor life warning, pump clean warning, Fire Mode warning and LDT warning, Low/High Feedback warning, Lost Feedback warning, Low/High Flow Rate Warning, Inner Fan Warning, Accumulated Flow Volume Warning, Sleep Over Cycle Warning, Differential Level Warning, Int485 ID is Zero, MF Data Share, Back Spin wait warning, Flow Limit warning, Loss Of Prime Warning, Disable WakeUp warning, Setpoint Timeout Warning, Thrust Bearing Warning, PI Aux Low/High Level Detection Warning			
Instant Power Interruption		Below 8 ms: Continuous operation (within the rated input voltage and rated output) 8 ms or above: Automatic restart operation			
Structure/ Operational Environment	Cooling Mode		Forced air-cooling		
	Protection Structure		IP20/UL Open(default), UL Enclosed Type 1(option), IP30(Keypad)		
	Ambient Temperature		Nomal Duty	-10°C~50°C (2.5% current derating is applied above 40°C) No ice or frost should be present. Working under normal load at 50°C (122°F), it is recommended that less than 75% load is applied.	
				Heavy Duty	0.75~90kW 110~500kW
			Ambient Humidity		Relative humidity less than 95% RH (to avoid condensation forming)
	Storage Temperature		-20 ~ 65 °C (-4~149°F)		
	Surrounding Environment		Environment Level: 3C3(IEC60721-3-3) classifications (for SO2, H2S, CL, NO2) No corrosive gas, flammable gas, oil mist and dust etc., indoors		
	Altitude		Maximum 3,280 ft (1,000m) above sea level for standard operation. After that the driver rated voltage and the rated output current derating by 1% for every extra 328 ft (100m) up to 13,123 ft (4,000m).		
	Vibration		9.8m/sec²(1.0G) or below		
	Ambient Atmospheric Pressure		70~106kPa		

Dimensions

IP 20 Type



Unit: mm(inches)

Product (Model)		W1	W2	H1	H2	H3	D	A	B	kg
3-Phase 200-240V	LSLV0008H100-2 (PLUS)	160(6.30)	137(5.39)	232(9.13)	216.5(8.52)	10.5(0.41)	181(7.13)	5(0.20)	5(0.20)	3.3
	LSLV0015H100-2 (PLUS)	160(6.30)	137(5.39)	232(9.13)	216.5(8.52)	10.5(0.41)	181(7.13)	5(0.20)	5(0.20)	3.3
	LSLV0022H100-2 (PLUS)	160(6.30)	137(5.39)	232(9.13)	216.5(8.52)	10.5(0.41)	181(7.13)	5(0.20)	5(0.20)	3.3
	LSLV0037H100-2 (PLUS)	160(6.30)	137(5.39)	232(9.13)	216.5(8.52)	10.5(0.41)	181(7.13)	5(0.20)	5(0.20)	3.3
	LSLV0055H100-2 (PLUS)	160(6.30)	137(5.39)	232(9.13)	216.5(8.52)	10.5(0.41)	181(7.13)	5(0.20)	5(0.20)	3.3
	LSLV0075H100-2 (PLUS)	160(6.30)	137(5.39)	232(9.13)	216.5(8.52)	10.5(0.41)	181(7.13)	5(0.20)	5(0.20)	3.3
	LSLV0110H100-2 (PLUS)	160(6.30)	137(5.39)	232(9.13)	216.5(8.52)	10.5(0.41)	181(7.13)	5(0.20)	5(0.20)	3.3
3-Phase 380-480V	LSLV0008H100-4 (PLUS)	160(6.30)	137(5.39)	232(9.13)	216.5(8.52)	10.5(0.41)	181(7.13)	5(0.20)	5(0.20)	3.3
	LSLV0015H100-4 (PLUS)	160(6.30)	137(5.39)	232(9.13)	216.5(8.52)	10.5(0.41)	181(7.13)	5(0.20)	5(0.20)	3.3
	LSLV0022H100-4 (PLUS)	160(6.30)	137(5.39)	232(9.13)	216.5(8.52)	10.5(0.41)	181(7.13)	5(0.20)	5(0.20)	3.3
	LSLV0037H100-4 (PLUS)	160(6.30)	137(5.39)	232(9.13)	216.5(8.52)	10.5(0.41)	181(7.13)	5(0.20)	5(0.20)	3.3
	LSLV0055H100-4 (PLUS)	160(6.30)	137(5.39)	232(9.13)	216.5(8.52)	10.5(0.41)	181(7.13)	5(0.20)	5(0.20)	3.3
	LSLV0075H100-4 (PLUS)	160(6.30)	137(5.39)	232(9.13)	216.5(8.52)	10.5(0.41)	181(7.13)	5(0.20)	5(0.20)	3.3
	LSLV0110H100-4 (PLUS)	160(6.30)	137(5.39)	232(9.13)	216.5(8.52)	10.5(0.41)	181(7.13)	5(0.20)	5(0.20)	3.3

Unit: mm(inches)

Product (Model)		W1	W2	H1	H2	H3	D	A	B	kg
3-Phase 200-240V	LSLV0150H100-2 (PLUS)	180(7.09)	157(6.18)	290(44.42)	273.7(10.78)	11.3(0.45)	205.3(8.08)	5(0.20)	5(0.20)	4.6
3-Phase 380-480V	LSLV0150H100-4 (PLUS)	180(7.09)	157(6.18)	290(44.42)	273.7(10.78)	11.3(0.45)	205.3(8.08)	5(0.20)	5(0.20)	4.6
	LSLV0185H100-4 (PLUS)	180(7.09)	157(6.18)	290(44.42)	273.7(10.78)	11.3(0.45)	205.3(8.08)	5(0.20)	5(0.20)	4.8

Unit: mm(inches)

Product (Model)		W1	W2	H1	H2	H3	D	A	B	kg
3-Phase 200V	LSLV0185H100-2 (PLUS)	220(8.66)	193.8(7.63)	350(13.78)	331(13.03)	13(0.51)	223.2(8.79)	6(0.24)	6(0.24)	7.1
3-Phase 380-480V	LSLV0220H100-4 (PLUS)	220(8.66)	193.8(7.63)	350(13.78)	331(13.03)	13(0.51)	223.2(8.79)	6(0.24)	6(0.24)	7.5
	LSLV0300H100-4 (PLUS)	220(8.66)	193.8(7.63)	350(13.78)	331(13.03)	13(0.51)	223.2(8.79)	6(0.24)	6(0.24)	7.5

Unit: mm(inches)

Product (Model)		W1	W2	H1	H2	H3	D	A	B	kg
3-Phase 380-480V	LSLV0370H100-4 (PLUS)	275(10.83)	232(9.13)	450(17.72)	428.5(16.87)	14(0.55)	284(11.18)	7(0.28)	7(0.28)	26

Unit:mm(inches)

Product (Model)		W1	W2	H1	H2	H3	D	A	B	kg
3-Phase 380~480V	LSLV0450H100-4 (PLUS)	325(12.08)	282(11.10)	510(20.08)	486.5(19.15)	16(0.63)	284(11.18)	7(0.28)	7(0.28)	35
	LSLV0550H100-4 (PLUS)	325(12.08)	282(11.10)	510(20.08)	486.5(19.15)	16(0.63)	284(11.18)	7(0.28)	7(0.28)	35

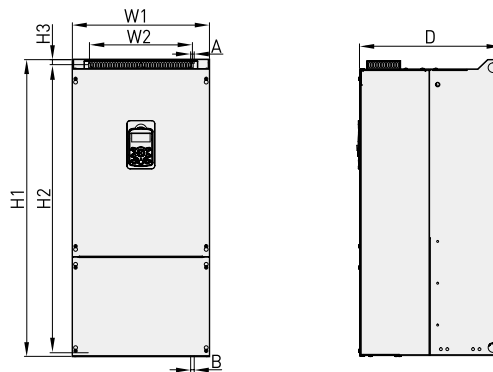
Unit:mm(inches)

Product (Model)		W1	W2	H1	H2	H3	D	A	B	kg
3-Phase 380~480V	LSLV0750H100-4 (PLUS)	325(12.08)	275(10.83)	550(21.65)	524.5(20.65)	16(0.63)	309(12.80)	9(0.35)	9(0.35)	43
	LSLV0900H100-4 (PLUS)	325(12.08)	275(10.83)	550(21.65)	524.5(20.65)	16(0.63)	309(12.80)	9(0.35)	9(0.35)	43

Unit:mm(inches)

Product (Model)		W1	W2	H1	H2	H3	D	A	B	kg
3-Phase 380~480V	LSLV1100H100-4 (PLUS)	300(11.81)	200(7.87)	706(27.80)	688.5(27.11)	9.5(0.37)	386(15.20)	9(0.35)	9(0.35)	55.8
	LSLV1320H100-4 (PLUS)	300(11.81)	200(7.87)	706(27.80)	688.5(27.11)	9.5(0.37)	386(15.20)	9(0.35)	9(0.35)	55.8
	LSLV1600H100-4 (PLUS)	380(14.96)	300(11.81)	705(27.76)	685.5(26.99)	9.5(0.37)	396(15.59)	9(0.35)	9(0.35)	74.7
	LSLV1850H100-4 (PLUS)	380(14.96)	300(11.81)	705(27.76)	685.5(26.99)	9.5(0.37)	396(15.59)	9(0.35)	9(0.35)	74.7

IP 00 Type

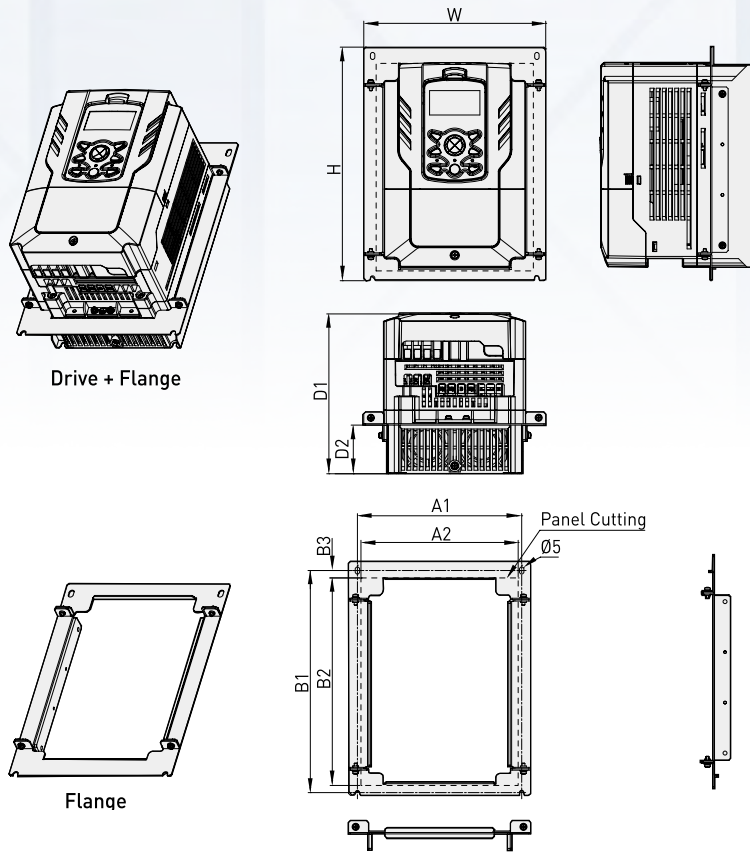


Unit:mm(inches)

Product (Model)		W1	W2	H1	H2	H3	D	A	B	kg
3-Phase 380~480V	LSLV2200H100-4 (PLUS)	426 (16.77)	320(12.60)	922.3(36.31)	895.5(35.26)	15.5(0.61)	440(17.32)	11(0.43)	11(0.43)	120
	LSLV2500H100-4 (PLUS)	426 (16.77)	320(12.60)	922.3(36.31)	895.5(35.26)	15.5(0.61)	440(17.32)	11(0.43)	11(0.43)	120
	LSLV3150H100-4 (PLUS)	600(23.62)	420(16.54)	1000(39.37)	972(38.27)	15(0.59)	500(19.69)	14(0.55)	14(0.55)	185.5
	LSLV3550H100-4 (PLUS)	600(23.62)	420(16.54)	1000(39.37)	972(38.27)	15(0.59)	500(19.69)	14(0.55)	14(0.55)	185.5
	LSLV4000H100-4 (PLUS)	600(23.62)	420(16.54)	1000(39.37)	972(38.27)	15(0.59)	500(19.69)	14(0.55)	14(0.55)	185.5
	LSLV5000H100-4 (PLUS)	776(30.55)	500(19.69)	1054(41.50)	1021(40.20)	20(0.79)	500(19.69)	14(0.55)	14(0.55)	265

Dimensions

Flange

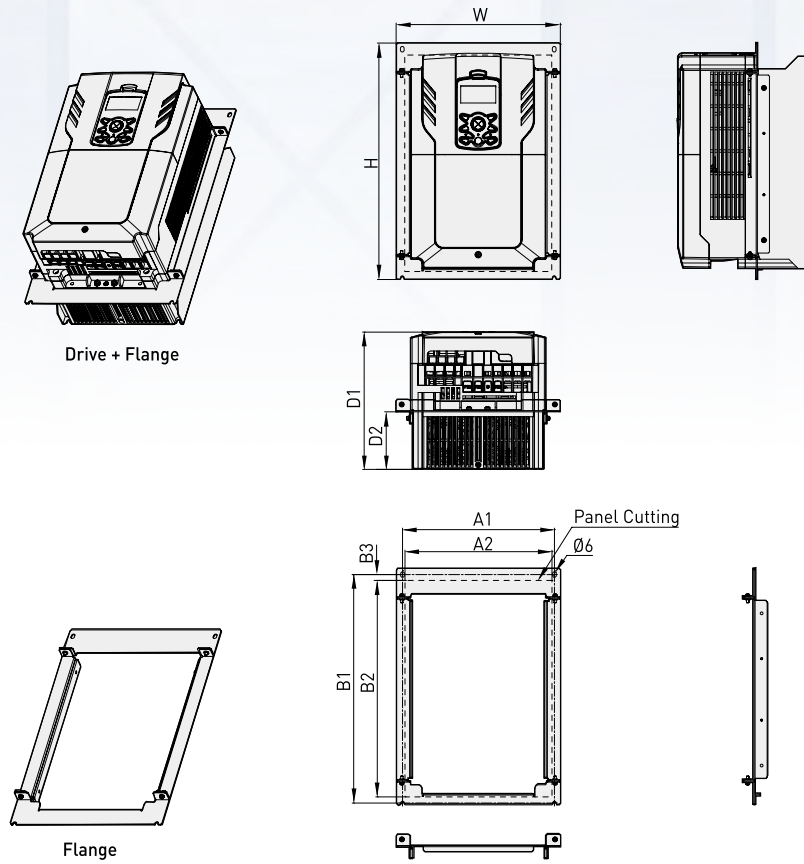


Unit:mm(inches)

	Product (Model)	W	H	D1	D2	A1	A2	B1	B2	B3	kg
3-Phase 200~240V	LSLV0008H100-2 (PLUS)	206(8.11)	264.5(10.41)	181(7.13)	55.1(2.17)	186(7.32)	178(7.01)	251.5(9.90)	235(9.25)	8.4(0.33)	3.7
	LSLV0015H100-2 (PLUS)	206(8.11)	264.5(10.41)	181(7.13)	55.1(2.17)	186(7.32)	178(7.01)	251.5(9.90)	235(9.25)	8.4(0.33)	3.7
	LSLV0022H100-2 (PLUS)	206(8.11)	264.5(10.41)	181(7.13)	55.1(2.17)	186(7.32)	178(7.01)	251.5(9.90)	235(9.25)	8.4(0.33)	3.7
	LSLV0037H100-2 (PLUS)	206(8.11)	264.5(10.41)	181(7.13)	55.1(2.17)	186(7.32)	178(7.01)	251.5(9.90)	235(9.25)	8.4(0.33)	3.7
	LSLV0055H100-2 (PLUS)	206(8.11)	264.5(10.41)	181(7.13)	55.1(2.17)	186(7.32)	178(7.01)	251.5(9.90)	235(9.25)	8.4(0.33)	3.7
	LSLV0075H100-2 (PLUS)	206(8.11)	264.5(10.41)	181(7.13)	55.1(2.17)	186(7.32)	178(7.01)	251.5(9.90)	235(9.25)	8.4(0.33)	3.7
	LSLV0110H100-2 (PLUS)	206(8.11)	264.5(10.41)	181(7.13)	55.1(2.17)	186(7.32)	178(7.01)	251.5(9.90)	235(9.25)	8.4(0.33)	3.7
3-Phase 380~480V	LSLV0008H100-4 (PLUS)	206(8.11)	264.5(10.41)	181(7.13)	55.1(2.17)	186(7.32)	178(7.01)	251.5(9.90)	235(9.25)	8.4(0.33)	3.7
	LSLV0015H100-4 (PLUS)	206(8.11)	264.5(10.41)	181(7.13)	55.1(2.17)	186(7.32)	178(7.01)	251.5(9.90)	235(9.25)	8.4(0.33)	3.7
	LSLV0022H100-4 (PLUS)	206(8.11)	264.5(10.41)	181(7.13)	55.1(2.17)	186(7.32)	178(7.01)	251.5(9.90)	235(9.25)	8.4(0.33)	3.7
	LSLV0037H100-4 (PLUS)	206(8.11)	264.5(10.41)	181(7.13)	55.1(2.17)	186(7.32)	178(7.01)	251.5(9.90)	235(9.25)	8.4(0.33)	3.7
	LSLV0055H100-4 (PLUS)	206(8.11)	264.5(10.41)	181(7.13)	55.1(2.17)	186(7.32)	178(7.01)	251.5(9.90)	235(9.25)	8.4(0.33)	3.7
	LSLV0075H100-4 (PLUS)	206(8.11)	264.5(10.41)	181(7.13)	55.1(2.17)	186(7.32)	178(7.01)	251.5(9.90)	235(9.25)	8.4(0.33)	3.7
	LSLV0110H100-4 (PLUS)	206(8.11)	264.5(10.41)	181(7.13)	55.1(2.17)	186(7.32)	178(7.01)	251.5(9.90)	235(9.25)	8.4(0.33)	3.7

Unit:mm(inches)

	Product (Model)	W	H	D1	D2	A1	A2	B1	B2	B3	kg
3-Phase 200~240V	LSLV0150H100-2 (PLUS)	225.2(8.87)	322.7(12.70)	205.3(8.08)	72.1(2.84)	205.2(8.08)	197.5(7.78)	309.7(12.19)	292.5(11.52)	9.3(0.34)	5.2
3-Phase 380~480V	LSLV0150H100-4 (PLUS)	225.2(8.87)	322.7(12.70)	205.3(8.08)	72.1(2.84)	205.2(8.08)	197.5(7.78)	309.7(12.19)	292.5(11.52)	9.3(0.34)	5.2
	LSLV0185H100-4 (PLUS)	225.2(8.87)	322.7(12.70)	205.3(8.08)	72.1(2.84)	205.2(8.08)	197.5(7.78)	309.7(12.19)	292.5(11.52)	9.3(0.34)	5.4

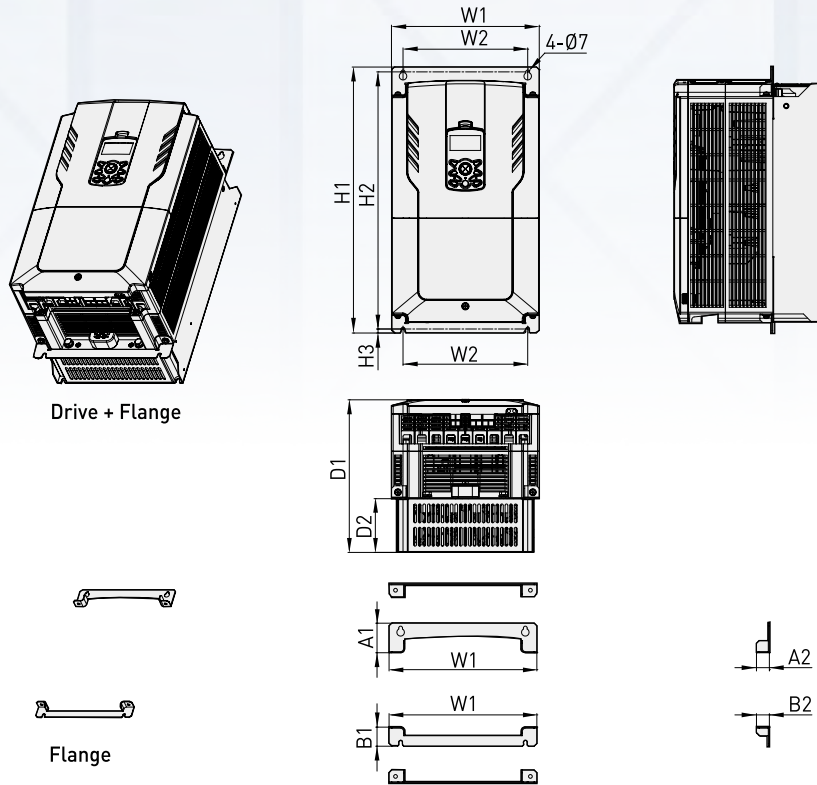


Unit: mm(inches)

Product (Model)		W	H	D1	D2	A1	A2	B1	B2	B3	kg
3-Phase 200~240V	LSLV0185H100-2 (PLUS)	267(10.51)	384.5(15.14)	223.2(8.79)	93.6(3.69)	247(9.72)	239(9.41)	371.5(14.63)	352(13.86)	9.5(0.37)	8.3
	LSLV0220H100-4 (PLUS)	267(10.51)	384.5(15.14)	223.2(8.79)	93.6(3.69)	247(9.72)	239(9.41)	371.5(14.63)	352(13.86)	9.5(0.37)	8.3
3-Phase 380~480V	LSLV0300H100-4 (PLUS)	267(10.51)	384.5(15.14)	223.2(8.79)	93.6(3.69)	247(9.72)	239(9.41)	371.5(14.63)	352(13.86)	9.5(0.37)	8.3

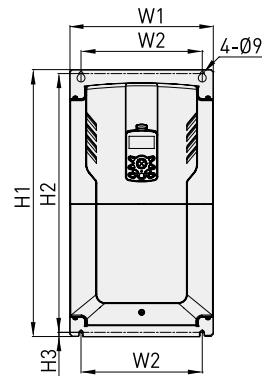
Dimensions

Flange



Unit: mm(inches)

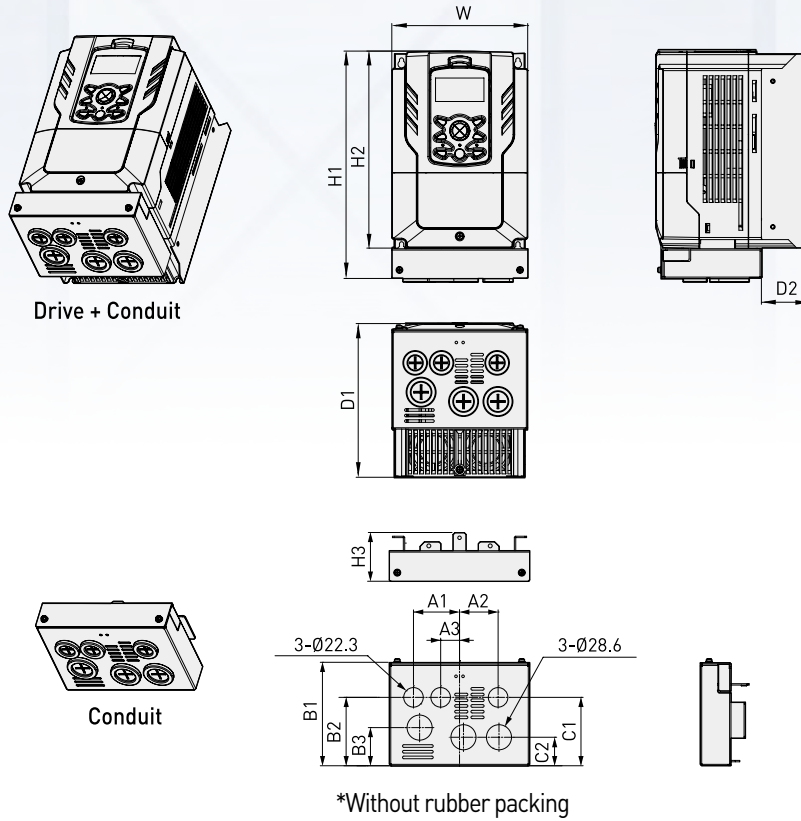
Product (Model)		W1	W2	H1	H2	H3	D1	D2	A1	A2	B1	B2	kg
3-Phase 380~480V	LSLV0370H100-4 (PLUS)	275 (10.83)	232 (9.13)	495 (19.49)	478.5 (18.84)	7.5 (0.30)	284 (11.18)	100 (3.94)	55 (2.17)	24 (0.98)	35.5 (1.40)	24 (0.98)	26.4
	LSLV0450H100-4 (PLUS)	325 (12.80)	282 (11.10)	555.5 (21.87)	539 (21.22)	7.5 (0.30)	284 (11.18)	100 (3.94)	57.5 (2.26)	24 (0.94)	35.5 (1.40)	24 (0.94)	35.4
3-Phase 380~480V	LSLV0550H100-4 (PLUS)	325 (12.80)	282 (11.10)	555.5 (21.87)	539 (21.22)	7.5 (0.30)	284 (11.18)	100 (3.94)	57.5 (2.26)	24 (0.94)	35.5 (1.40)	24 (0.94)	35.4



Unit: mm(inches)

Product (Model)		W1	W2	H1	H2	H3	D1	D2	A1	A2	B1	B2	kg
3-Phase 380~480V	LSLV0750H100-4 (PLUS)	325 (12.80)	275 (10.83)	605.5 (23.84)	587 (23.11)	9.5 (0.37)	309 (12.17)	130 (5.12)	68.5 (2.69)	24 (0.94)	46.5 (1.83)	24 (0.94)	43.5
	LSLV0900H100-4 (PLUS)	325 (12.80)	275 (10.83)	605.5 (23.84)	587 (23.11)	9.5 (0.37)	309 (12.17)	130 (5.12)	68.5 (2.69)	24 (0.94)	46.5 (1.83)	24 (0.94)	43.5

Conduit

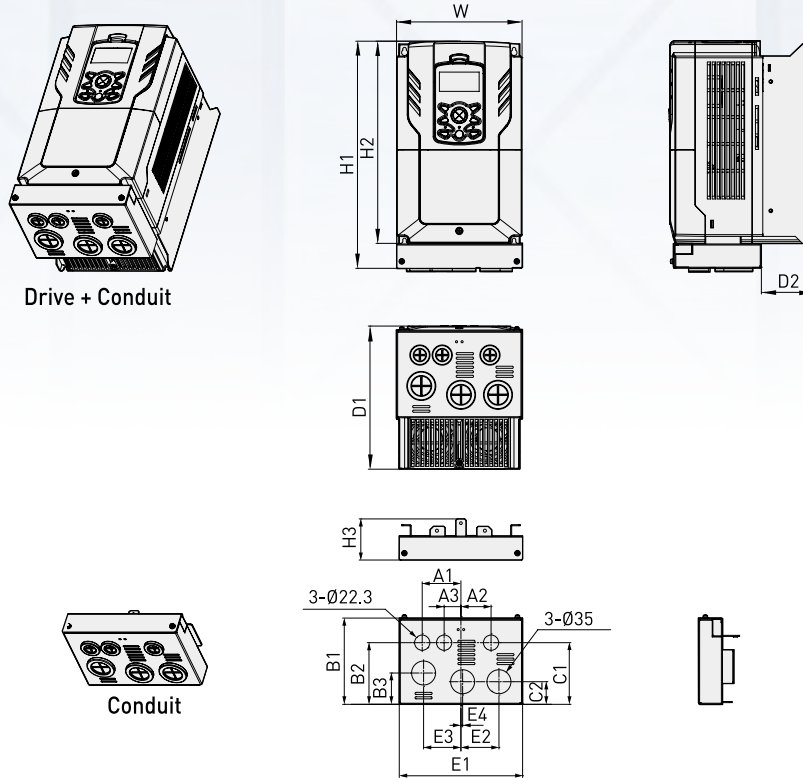


Unit:mm(inches)

	Product (Model)	W	H1	H2	H3	D1	D2	A1	A2	A3	B1	B2	B3	C1	C2	kg
3-Phase 200~240V	LSLV0008H100-2 (PLUS)	160(6.30)	267.8(10.54)	232(9.13)	55.6(2.19)	181(7.13)	56.7(2.23)	52.5(2.07)	44(1.73)	21.5(0.85)	117.6(4.63)	78(3.07)	43.5(1.71)	78(3.07)	32.5(1.28)	3.9
	LSLV0015H100-2 (PLUS)	160(6.30)	267.8(10.54)	232(9.13)	55.6(2.19)	181(7.13)	56.7(2.23)	52.5(2.07)	44(1.73)	21.5(0.85)	117.6(4.63)	78(3.07)	43.5(1.71)	78(3.07)	32.5(1.28)	3.9
	LSLV0022H100-2 (PLUS)	160(6.30)	267.8(10.54)	232(9.13)	55.6(2.19)	181(7.13)	56.7(2.23)	52.5(2.07)	44(1.73)	21.5(0.85)	117.6(4.63)	78(3.07)	43.5(1.71)	78(3.07)	32.5(1.28)	3.9
	LSLV0037H100-2 (PLUS)	160(6.30)	267.8(10.54)	232(9.13)	55.6(2.19)	181(7.13)	56.7(2.23)	52.5(2.07)	44(1.73)	21.5(0.85)	117.6(4.63)	78(3.07)	43.5(1.71)	78(3.07)	32.5(1.28)	3.9
	LSLV0055H100-2 (PLUS)	160(6.30)	267.8(10.54)	232(9.13)	55.6(2.19)	181(7.13)	56.7(2.23)	52.5(2.07)	44(1.73)	21.5(0.85)	117.6(4.63)	78(3.07)	43.5(1.71)	78(3.07)	32.5(1.28)	3.9
	LSLV0075H100-2 (PLUS)	160(6.30)	267.8(10.54)	232(9.13)	55.6(2.19)	181(7.13)	56.7(2.23)	52.5(2.07)	44(1.73)	21.5(0.85)	117.6(4.63)	78(3.07)	43.5(1.71)	78(3.07)	32.5(1.28)	3.9
	LSLV0110H100-2 (PLUS)	160(6.30)	267.8(10.54)	232(9.13)	55.6(2.19)	181(7.13)	56.7(2.23)	52.5(2.07)	44(1.73)	21.5(0.85)	117.6(4.63)	78(3.07)	43.5(1.71)	78(3.07)	32.5(1.28)	3.9
3-Phase 380~480V	LSLV0008H100-4 (PLUS)	160(6.30)	267.8(10.54)	232(9.13)	55.6(2.19)	181(7.13)	56.7(2.23)	52.5(2.07)	44(1.73)	21.5(0.85)	117.6(4.63)	78(3.07)	43.5(1.71)	78(3.07)	32.5(1.28)	3.9
	LSLV0015H100-4 (PLUS)	160(6.30)	267.8(10.54)	232(9.13)	55.6(2.19)	181(7.13)	56.7(2.23)	52.5(2.07)	44(1.73)	21.5(0.85)	117.6(4.63)	78(3.07)	43.5(1.71)	78(3.07)	32.5(1.28)	3.9
	LSLV0022H100-4 (PLUS)	160(6.30)	267.8(10.54)	232(9.13)	55.6(2.19)	181(7.13)	56.7(2.23)	52.5(2.07)	44(1.73)	21.5(0.85)	117.6(4.63)	78(3.07)	43.5(1.71)	78(3.07)	32.5(1.28)	3.9
	LSLV0037H100-4 (PLUS)	160(6.30)	267.8(10.54)	232(9.13)	55.6(2.19)	181(7.13)	56.7(2.23)	52.5(2.07)	44(1.73)	21.5(0.85)	117.6(4.63)	78(3.07)	43.5(1.71)	78(3.07)	32.5(1.28)	3.9
	LSLV0055H100-4 (PLUS)	160(6.30)	267.8(10.54)	232(9.13)	55.6(2.19)	181(7.13)	56.7(2.23)	52.5(2.07)	44(1.73)	21.5(0.85)	117.6(4.63)	78(3.07)	43.5(1.71)	78(3.07)	32.5(1.28)	3.9
	LSLV0075H100-4 (PLUS)	160(6.30)	267.8(10.54)	232(9.13)	55.6(2.19)	181(7.13)	56.7(2.23)	52.5(2.07)	44(1.73)	21.5(0.85)	117.6(4.63)	78(3.07)	43.5(1.71)	78(3.07)	32.5(1.28)	3.9
	LSLV0110H100-4 (PLUS)	160(6.30)	267.8(10.54)	232(9.13)	55.6(2.19)	181(7.13)	56.7(2.23)	52.5(2.07)	44(1.73)	21.5(0.85)	117.6(4.63)	78(3.07)	43.5(1.71)	78(3.07)	32.5(1.28)	4.0

Dimensions

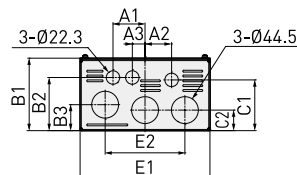
Conduit



*Without rubber packing

Unit: mm(inches)

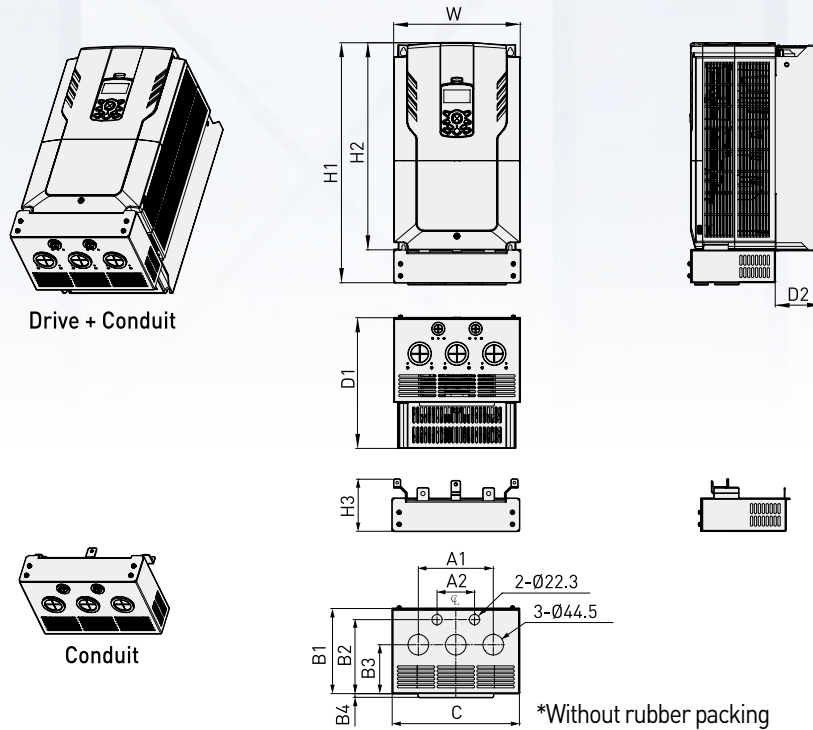
Product (Model)		W	H1	H2	H3	D1	D2	A1	A2	A3	B1	B2	B3	C1	C2	E1	E2	E3	E4	kg
3-Phase 200-240V	LSLV0150H100-2 (PLUS)	180 (7.09)	325.8 (12.83)	290 (11.42)	60 (2.36)	205.3 (8.08)	73.7 (2.90)	56.5 (2.22)	44 (1.73)	24.5 (0.96)	125.9 (4.96)	90 (3.54)	45.7 (1.80)	90 (3.54)	33 (1.30)	180 (7.09)	55.5 (2.19)	54.5 (2.15)	2.5 (0.10)	5.2
	LSLV0150H100-4 (PLUS)	180 (7.09)	325.8 (12.83)	290 (11.42)	60 (2.36)	205.3 (8.08)	73.7 (2.90)	56.5 (2.22)	44 (1.73)	24.5 (0.96)	125.9 (4.96)	90 (3.54)	45.7 (1.80)	90 (3.54)	33 (1.30)	180 (7.09)	55.5 (2.19)	54.5 (2.15)	2.5 (0.10)	5.2
3-Phase 380-480V	LSLV0185H100-4 (PLUS)	180 (7.09)	325.8 (12.83)	290 (11.42)	60 (2.36)	205.3 (8.08)	73.7 (2.90)	56.5 (2.22)	44 (1.73)	24.5 (0.96)	125.9 (4.96)	90 (3.54)	45.7 (1.80)	90 (3.54)	33 (1.30)	180 (7.09)	55.5 (2.19)	54.5 (2.15)	2.5 (0.10)	5.4



*Without rubber packing

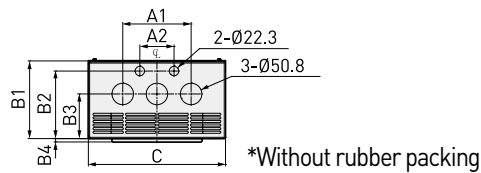
Unit: mm(inches)

Product (Model)		W	H1	H2	H3	D1	D2	A1	A2	A3	B1	B2	B3	C1	C2	E1	E2	kg
3-Phase 200-240V	LSLV0185H100-2 (PLUS)	220 (8.66)	382.5 (15.06)	350 (13.78)	64 (2.52)	223.2 (8.79)	96.4 (3.80)	53 (2.09)	44 (1.73)	21 (0.83)	120 (4.72)	88 (3.46)	43 (1.69)	84 (3.31)	34 (1.34)	215 (8.46)	132 (5.20)	5.2
	LSLV0220H100-4 (PLUS)	220 (8.66)	382.5 (15.06)	350 (13.78)	64 (2.52)	223.2 (8.79)	96.4 (3.80)	53 (2.09)	44 (1.73)	21 (0.83)	120 (4.72)	88 (3.46)	43 (1.69)	84 (3.31)	34 (1.34)	215 (8.46)	132 (5.20)	5.2
3-Phase 380-480V	LSLV0300H100-4 (PLUS)	220 (8.66)	382.5 (15.06)	350 (13.78)	64 (2.52)	223.2 (8.79)	96.4 (3.80)	53 (2.09)	44 (1.73)	21 (0.83)	120 (4.72)	88 (3.46)	43 (1.69)	84 (3.31)	34 (1.34)	215 (8.46)	132 (5.20)	5.4



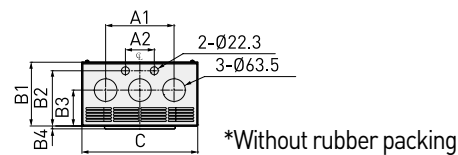
Unit: mm(inches)

Product (Model)		W	H1	H2	H3	D1	D2	A1	A2	B1	B2	B3	B4	C	kg
3-Phase 380-480V	LSLV0370H100-4 (PLUS)	275 (10.83)	521.5 (20.53)	450 (17.72)	112.5 (4.43)	284 (11.18)	100 (3.94)	162 (6.38)	81 (3.19)	184 (7.24)	160 (6.30)	105.8 (4.17)	8 (0.31)	275 (10.83)	28.7



Unit: mm(inches)

Product (Model)		W	H1	H2	H3	D1	D2	A1	A2	B1	B2	B3	B4	C	kg
3-Phase 380-480V	LSLV0450H100-4 (PLUS)	325 (12.80)	600.5 (23.64)	510 (20.08)	134 (5.28)	284 (11.18)	100 (3.94)	162 (6.38)	81 (3.19)	184 (7.24)	160 (6.30)	105.8 (4.17)	8 (0.31)	325 (12.80)	38.4
	LSLV0550H100-4 (PLUS)	325 (12.80)	600.5 (23.64)	510 (20.08)	134 (5.28)	284 (11.18)	100 (3.94)	162 (6.38)	81 (3.19)	184 (7.24)	160 (6.30)	105.8 (4.17)	8 (0.31)	325 (12.80)	38.4

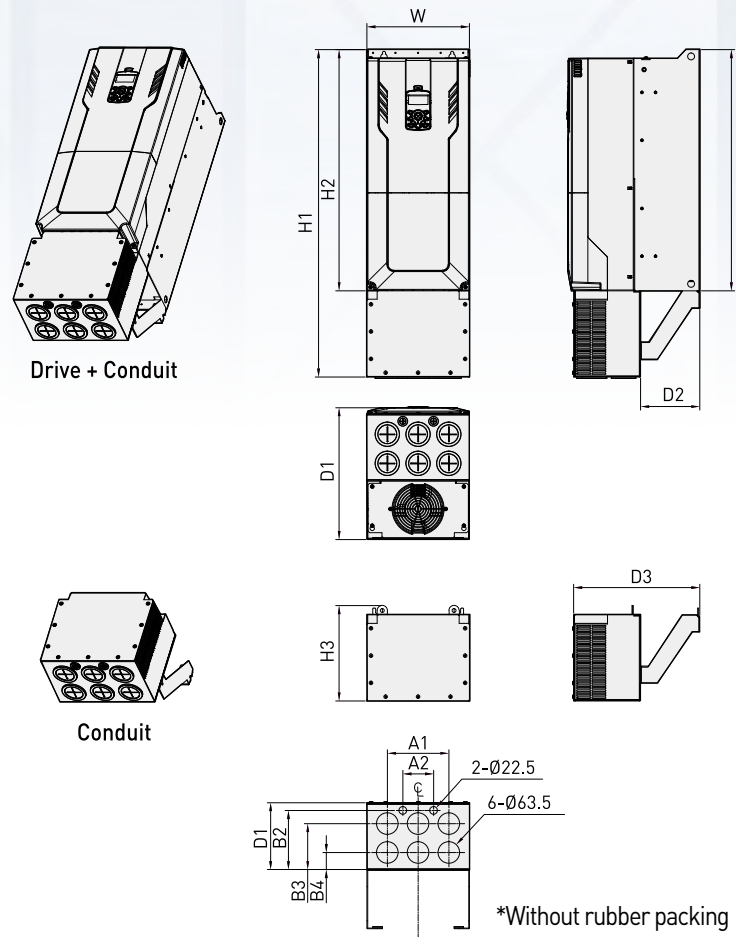


Unit: mm(inches)

Product (Model)		W	H1	H2	H3	D1	D2	A1	A2	B1	B2	B3	B4	C	kg
3-Phase 380-480V	LSLV0750H100-4 (PLUS)	325 (12.80)	685.5 (26.99)	550 (21.65)	183 (7.20)	309 (12.17)	130 (5.12)	192 (7.56)	81 (3.19)	179 (7.05)	155 (6.10)	100.75 (3.97)	8 (0.31)	325 (12.80)	47.2
	LSLV0900H100-4 (PLUS)	325 (12.80)	685.5 (26.99)	550 (21.65)	183 (7.20)	309 (12.17)	130 (5.12)	192 (7.56)	81 (3.19)	179 (7.05)	155 (6.10)	100.75 (3.97)	8 (0.31)	325 (12.80)	47.2

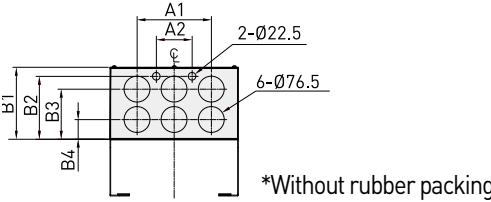
Dimensions

Conduit



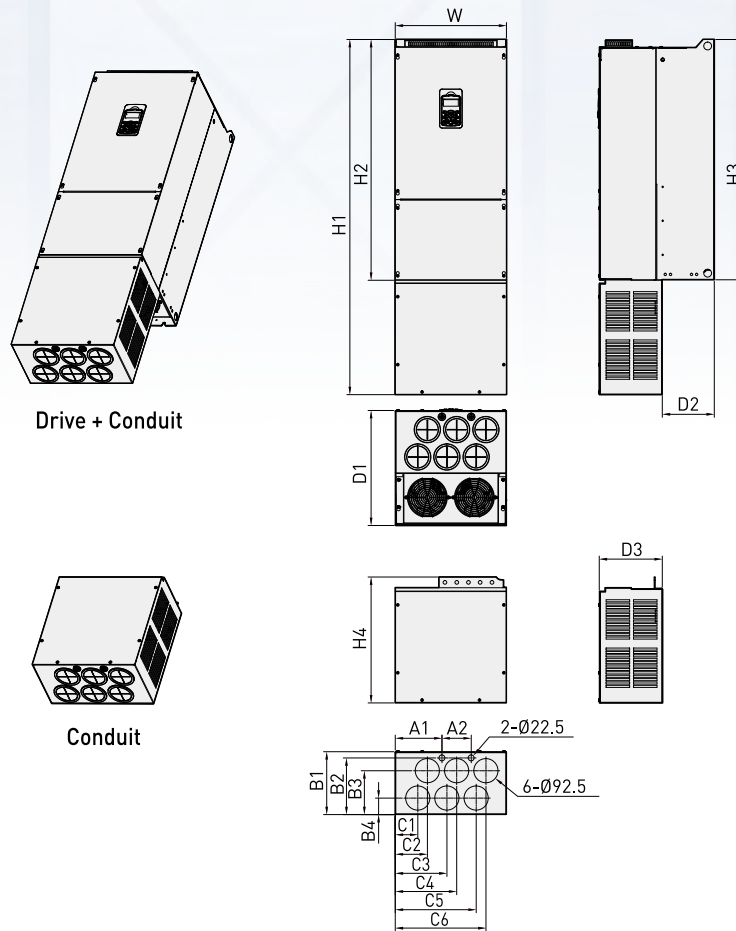
Unit:mm(inches)

Product (Model)		W	H1	H2	H3	D1	D2	D3	A1	A2	B1	B2	B3	B4	kg
3-Phase 380~480V	LSLV1100H100-4 (PLUS)	300 (11.81)	958.5 (37.74)	706 (27.80)	279.5 (11.00)	386 (15.20)	173 (6.81)	369 (14.53)	180 (7.09)	90 (3.54)	196 (7.72)	172.25 (6.78)	134.75 (5.31)	49.75 (1.96)	62.31
	LSLV1320H100-4 (PLUS)	300 (11.81)	958.5 (37.74)	706 (27.80)	279.5 (11.00)	386 (15.20)	173 (6.81)	369 (14.53)	180 (7.09)	90 (3.54)	196 (7.72)	172.25 (6.78)	134.75 (5.31)	49.75 (1.96)	62.31



Unit:mm(inches)

Product (Model)		W	H1	H2	H3	D1	D2	D3	A1	A2	B1	B2	B3	B4	kg
3-Phase 380~480V	LSLV1600H100-4 (PLUS)	380 (14.96)	985 (38.78)	705 (27.76)	308 (12.13)	396 (15.59)	168 (6.61)	381 (15.00)	220 (8.66)	106 (4.17)	213 (8.39)	186 (7.32)	148 (5.83)	58 (2.28)	81.24
	LSLV1850H100-4 (PLUS)	380 (14.96)	985 (38.78)	705 (27.76)	308 (12.13)	396 (15.59)	168 (6.61)	381 (15.00)	220 (8.66)	106 (4.17)	213 (8.39)	186 (7.32)	148 (5.83)	58 (2.28)	81.24



Unit:mm(inches)

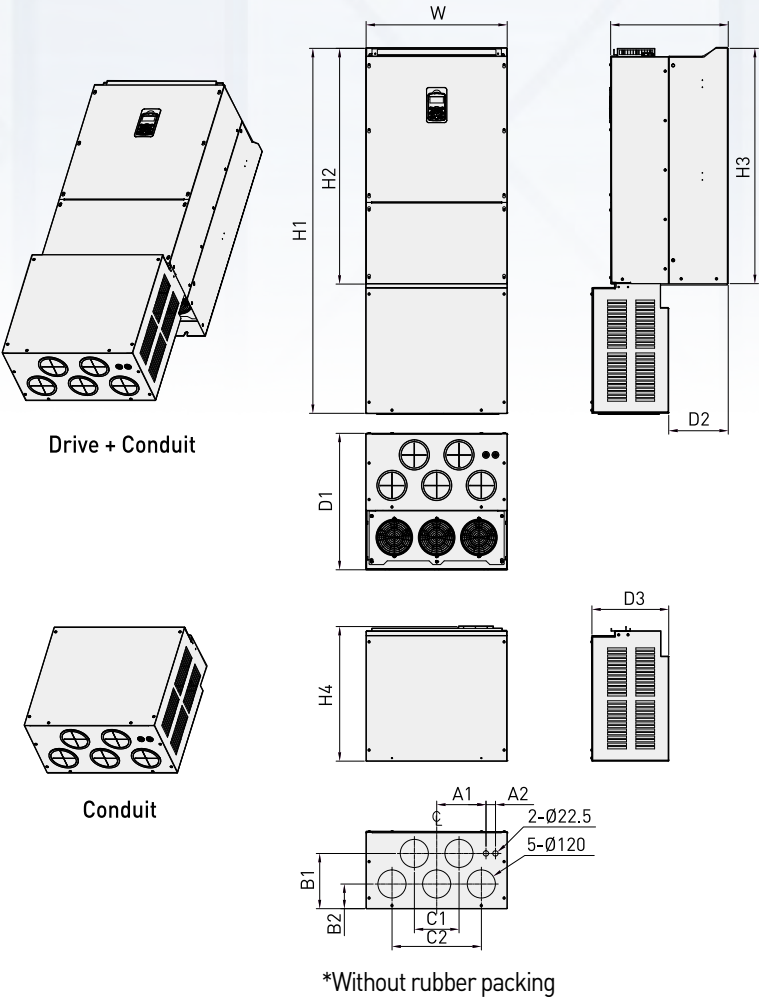
Product (Model)		W	H1	H2	H3	H4	D1	D2	D3	A1	A2
3-Phase 380~480V	LSLV2200H100-4 (PLUS)	426 (16.77)	1360.3 (53.56)	922.3 (36.31)	920 (36.22)	482 (18.98)	440 (17.32)	199 (7.83)	241 (9.49)	179 (7.05)	112 (4.41)
	LSLV2500H100-4 (PLUS)	426 (16.77)	1360.3 (53.56)	922.3 (36.31)	920 (36.22)	482 (18.98)	440 (17.32)	199 (7.83)	241 (9.49)	179 (7.05)	112 (4.41)

Unit:mm(inches)

Product (Model)		B1	B2	B3	B4	C1	C2	C3	C4	C5	C6	kg
3-Phase 380~480V	LSLV2200H100-4 (PLUS)	241 (9.49)	217 (8.54)	168 (6.61)	63 (2.48)	86 (3.39)	123 (4.84)	198 (7.80)	235 (9.25)	310 (12.20)	347 (13.66)	130.54
	LSLV2500H100-4 (PLUS)	241 (9.49)	217 (8.54)	168 (6.61)	63 (2.48)	86 (3.39)	123 (4.84)	198 (7.80)	235 (9.25)	310 (12.20)	347 (13.66)	130.54

Dimensions

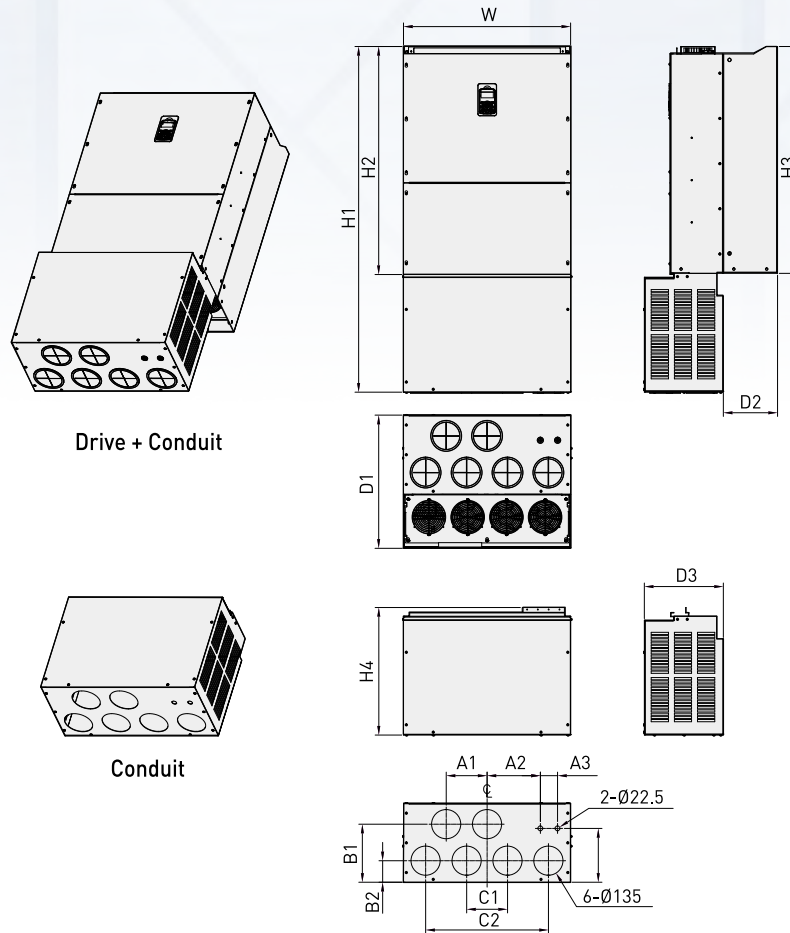
Conduit



*Without rubber packing

Unit:mm(inches)

Product (Model)		W	H1	H2	H3	H4	D1	D2	D3	A1	A2	B1	B2	C1	C2	kg
3-Phase 380~480V	LSLV3150H100-4 (PLUS)	600 (23.62)	1552 (61.10)	1002 (39.45)	1000 (39.37)	572.5 (22.54)	580 (22.83)	253 (9.96)	327 (12.87)	210 (8.27)	40 (1.57)	235 (9.25)	105 (4.13)	190 (7.48)	380 (14.96)	205.72
	LSLV3550H100-4 (PLUS)	600 (23.62)	1552 (61.10)	1002 (39.45)	1000 (39.37)	572.5 (22.54)	580 (22.83)	253 (9.96)	327 (12.87)	210 (8.27)	40 (1.57)	235 (9.25)	105 (4.13)	190 (7.48)	380 (14.96)	205.72
	LSLV4000H100-4 (PLUS)	600 (23.62)	1552 (61.10)	1002 (39.45)	1000 (39.37)	572.5 (22.54)	580 (22.83)	253 (9.96)	327 (12.87)	210 (8.27)	40 (1.57)	235 (9.25)	105 (4.13)	190 (7.48)	380 (14.96)	205.72



Unit:mm(inches)

Product (Model)		W	H1	H2	H3	H4	D1	D2	D3	A1	A2	A3	B1	B2	B3	C1	C2	kg
3-Phase 380~480V	LSLV5000H100-4 (PLUS)	776 (30.55)	1606 (63.23)	1059.5 (41.71)	1054 (41.50)	592.4 (23.32)	618.5 (24.35)	251.5 (9.90)	367 (14.45)	190 (7.48)	247.5 (9.74)	80 (3.15)	270 (10.63)	100 (3.94)	250 (9.84)	190 (7.48)	570 (22.44)	290.91



Safety Instructions

- For your safety, please read user's manual thoroughly before operating.
- Contact the nearest authorized service facility for examination, repair, or adjustment.
- Please contact qualified service technician when you need maintenance.
Do not disassemble or repair by yourself!
- Any maintenance and inspection shall be performed by the personnel having expertise concerned.



- According to The WEEE Directive, please do not discard the device with your household waste.



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