

- Sensorless Vector & V/Hz control
- Main Capacitor & Fan Lifecycle Estimation
- Peer to Peer Communications
- Heat Sink Out the Back Mounting Option
- UL Plenum Rated (Standard Enclosure)
- HD operation: -10 ~ 50°C
- IP20 / NEMA 1 (KIT)\* / NEMA 4X



# LSIS S100

True NEMA 4X available  
230V: up to 20 HP (HD)  
480V: up to 100 HP (HD)

IP20	UL Three Phase ratings				UL Single Phase Ratings					EMC Filter Built-in	DC Reactor Built-in	Built-in Keypad Type		
	Model Number	Heavy Duty 150% for 60 seconds		Normal Duty 120% for 60 seconds	Heavy Duty (CT) Single Phase Input		HD (CT) 3 Phase Output Amps	Normal Duty (VT) Single Phase Input					ND (VT) 3 Phase Output Amps	
		HP	Amps		HP	Amps		HP	Amps					HP
Single Phase 200 ~ 240 VAC (-15% ~ +10%)	LSLV0004S100-1EONNS	0.5	2.5	1	3.1	-	-	-	-	-	No	No	LED (7-Segment)	
	LSLV0004S100-1EONFS													
	LSLV0008S100-1EONNS	1	5	2	6	-	-	-	-	-				
	LSLV0008S100-1EONFS													
	LSLV0015S100-1EONNS	2	8	3	10	-	-	-	-	-				
	LSLV0015S100-1EONFS													
LSLV0022S100-1EONNS	3	11	5	12	-	-	-	-	-					
LSLV0022S100-1EONFS														
Three Phase 200 ~ 240 VAC (-15% ~ +10%)	LSLV0004S100-2EONNS	0.5	2.5	1	3.1	0.5	2.2	1.5	0.75	3.0	1.8	No	No	LED (7-Segment)
	LSLV0008S100-2EONNS	1	5	2	6	0.5	4.9	2.8	1	6.3	3.3			
	LSLV0015S100-2EONNS	2	8	3	10	1	8.4	4.6	1	10.8	5.7			
	LSLV0022S100-2EONNS	3	11	5	12	1.5	11.8	6.1	1.5	13.1	6.6			
	LSLV0037S100-2EONNS	5	16	5	18	2	17.5	8.8	3	19.4	9.9			
	LSLV0040S100-2EONNS	5.4	17	7.5	18	2	18.5	9.3	3	19.4	9.9			
	LSLV0055S100-2EONNS	7.5	24	10	30	3	25.8	13.0	5	32.7	16.0			
	LSLV0075S100-2EONNS	10	32	15	40	5	34.9	18.0	7.5	44.2	22.0			
	LSLV0110S100-2EONNS	15	46	20	56	7.5	50.8	26.0	10	62.3	31.0			
	LSLV0150S100-2EONNS	20	60	25	69	10	66.7	33.0	10	77.2	38.0			
	Three Phase 380 ~ 480 VAC (-15% ~ +10%)	LSLV0004S100-4EONNS	0.5	1.3	1	2.0	-	1.1	0.8	0.5	2.0			
LSLV0004S100-4EONFS														
LSLV0008S100-4EONNS		1	2.5	2	3.1	0.5	2.4	1.5	0.75	3.3	1.9			
LSLV0008S100-4EONFS														
LSLV0015S100-4EONNS		2	4	3	5.1	0.75	4.2	2.3	1	5.5	3.0			
LSLV0015S100-4EONFS														
LSLV0022S100-4EONNS		3	5.5	5	6.9	1	5.9	3.1	2	7.5	3.9			
LSLV0022S100-4EONFS														
LSLV0037S100-4EONNS		5	8	5	10.0	2	8.7	4.8	3	10.8	5.9			
LSLV0037S100-4EONFS														
LSLV0040S100-4EONNS		5.4	9	7.5	10	3	9.8	5.4	3	10.8	5.9			
LSLV0040S100-4EONFS														
LSLV0055S100-4EONNS		7.5	12	10	16	3	12.9	7.1	5	17.5	9.5			
LSLV0055S100-4EONFS														
LSLV0075S100-4EONNS		10	16	15	23	5	17.5	9.5	7.5	25.4	14			
LSLV0075S100-4EONFS														
LSLV0110S100-4EONNS		15	24	20	30	7.5	26.5	15	10	33.4	18			
LSLV0110S100-4EONFS														
LSLV0150S100-4EONNS		20	30	25	38	10	33.4	18	15	42.5	23			
LSLV0150S100-4EONFS														
LSLV0185S100-4EONNS	25	39	30	44	10	43.6	23	15	49.5	27				
LSLV0185S100-4EONFS														
LSLV0220S100-4EONNS	30	45	40	58	15	50.7	27	20	65.7	35				
LSLV0220S100-4EONFS														
LSLV0300S100-4CONDS	40	61	50	75	20	56	32	25	69	39				
LSLV0300S100-4COFDS														
LSLV0370S100-4CONDS	50	75	60	91	25	69	39	30	85	47				
LSLV0370S100-4COFDS														
LSLV0450S100-4CONDS	60	91	75	107	30	85	47	40	100	55				
LSLV0450S100-4COFDS														
LSLV0550S100-4CONDS	75	110	100	142	40	103	57	50	134	73				
LSLV0550S100-4COFDS														
LSLV0750S100-4CONDS	100	152	120	169	50	143	78	60	160	87				
LSLV0750S100-4COFDS														

Frame Size	Width (inch)	Height (inch)	Depth (inch)	Net weight (lb)
2	2.7	5.0	5.0	1.9
3	2.7	7.1	5.1	2.4
4	3.9	5.0	5.1	2.9
6	3.9	7.1	5.5	4.0
5	3.9	5.0	5.7	3.3
6	3.9	7.1	5.5	4.0
7	5.5	5.0	5.7	4.9
8	5.5	7.1	5.5	4.9
1	2.7	5.0	4.8	1.9
2	2.7	5.0	5.0	1.9
4	3.9	5.0	5.1	3.3
5	3.9	5.0	5.7	3.3
7	5.5	5.0	5.7	5.1
	5.5	5.0	5.7	5.1
9	6.3	9.1	5.5	7.3
	6.3	9.1	5.5	7.3
10	7.1	11.4	6.4	10.1
11	8.7	13.8	7.4	10.1
1	2.7	5.0	4.8	1.9
3	2.7	7.1	5.1	2.4
2	2.7	5.0	5.0	1.9
3	2.7	7.1	5.1	2.4
4	3.9	5.0	5.1	3.3
6	3.9	7.1	5.5	4.0
5	3.9	5.0	5.7	3.3
6	3.9	7.1	5.5	4.0
7	5.5	5.0	5.7	6.0
8	5.5	7.1	5.5	4.9
7	5.5	5.0	5.7	6.0
8	5.5	7.1	5.5	4.9
9	6.3	9.1	5.5	7.5
	6.3	9.1	5.5	7.5
10	7.1	11.4	6.4	10.6
	7.1	11.4	6.4	10.6
11	8.7	13.8	7.4	16.5
	8.7	13.8	7.4	16.5
12	10.8	17.7	11.2	57.3
	10.8	17.7	11.2	57.3
13	12.8	20.1	11.2	77.2
	12.8	20.1	11.2	77.2
	12.8	20.1	11.2	77.2
	12.8	20.1	11.2	77.2
14	12.8	21.7	12.2	94.8
	12.8	21.7	12.2	94.8

NEMA 4X	UL Three Phase ratings				UL Single Phase Ratings			EMC Filter Built-in	DC Reactor Built-in	Built-in Keypad Type
	Model Number	Heavy Duty 150% for 60 seconds		Normal Duty 120% for 60 seconds	Heavy Duty (CT) Single Phase Input		HD (CT) 3 Phase Output Amps			
		HP	Amps		HP	Amps				
Three Phase 200 ~ 240 VAC (-15% ~ +10%)	LSLV0004S100-2EXNNS,IP66	1/2	2.5	-	-	2.2	1.5	No	No	LED (7-Segment)
	LSLV0008S100-2EXNNS,IP66	1	5	-	-	4.9	2.8			
	LSLV0015S100-2EXNNS,IP66	2	8	-	-	8.4	4.6			
	LSLV0022S100-2EXNNS,IP66	3	11	-	-	11.8	6.1			
	LSLV0037S100-2EXNNS,IP66	5	16	-	-	17.5	8.8			
	LSLV0055S100-2EXNNS,IP66	7.5	24	-	-	25.8	13.0			
	LSLV0075S100-2EXNNS,IP66	10	32	-	-	34.9	18.0			
	LSLV0110S100-2EXNNS,IP66	15	46	-	-	50.8	26.0			
	LSLV0150S100-2EXNNS,IP66	20	60	-	-	66.7	33.0			
	Three Phase 380 ~ 480 VAC (-15% ~ +10%)	LSLV0004S100-4EXNNS,IP66	1/2	1.3	-	-	1.1			
LSLV0008S100-4EXNNS,IP66		1	2.5	-	-	2.4	1.5			
LSLV0015S100-4EXNNS,IP66		2	4	-	-	4.2	2.3			
LSLV0022S100-4EXNNS,IP66		3	5.5	-	-	5.9	3.1			
LSLV0037S100-4EXNNS,IP66		5	8	-	-	8.7	4.8			
LSLV0055S100-4EXNNS,IP66		7.5	12	-	-	12.9	7.1			
LSLV0075S100-4EXNNS,IP66		10	16	-	-	17.5	9.5			
LSLV0110S100-4EXNNS,IP66		15	24	-	-	26.5	15.0			
LSLV0150S100-4EXNNS,IP66		20	30	-	-	33.4	18.0			
LSLV0185S100-4EXNNS,IP66		25	39	-	-	43.6	23.0			
LSLV0220S100-4EXNNS,IP66	30	45	-	-	50.7	27.0				

Width (inch)	Height (inch)	Depth (inch)	Net weight (lb)
7.1	10.1	6.9	7.9
7.1	10.1	6.9	7.9
8.7	10.2	7.9	11.5
8.7	10.2	7.9	11.7
8.7	10.2	7.9	12.3
9.8	12.9	8.9	19.8
9.8	12.9	8.9	19.8
10.2	15.7	9.7	21.2
11.8	18.1	9.8	26.7
7.1	10.1	6.9	8.2
7.1	10.1	6.9	8.2
8.7	10.2	7.9	11.7
8.7	10.2	7.9	12.1
8.7	10.2	7.9	12.3
9.8	12.9	8.9	19.4
9.8	12.9	8.9	19.4
10.2	15.7	9.7	21.2
10.2	15.7	9.7	21.6
11.8	18.1	9.8	27.3
11.8	18.1	9.8	27.3