

H100+ NEW

GAME CHANGER

Featuring new fan & pump control functions!

Top 100
Global
Innovator
for 10 years

New Features for Pump Solutions

- Lead-lag
- No-Flow Control
- Over-Cycle Protection
- Setpoint Timeout
- Low/High Feedback Detection
- Current Limit

HVAC Features

- SCCR 100KA
- Embedded Metasys N2, BACnet MS/TP
- Optional BACnet/IP, Ethernet/IP
- Plenum Rated
- OSHPD Seismic Design

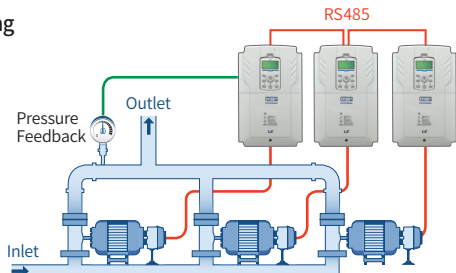
Intuitive and User Friendly

- Simplified PID group added
- HMI solutions tailored to your pump & fan application

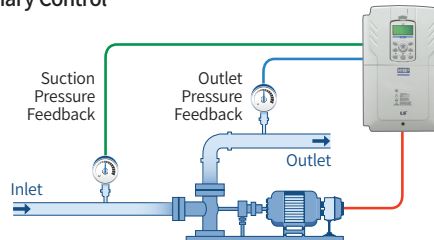
※ The H100+ is much more than just a great pump drive.
HVAC features such as fire mode, damper control, and more are built in!
Additionally, the HD rating allows for certain heavy duty applications.

Added Pump Control Features

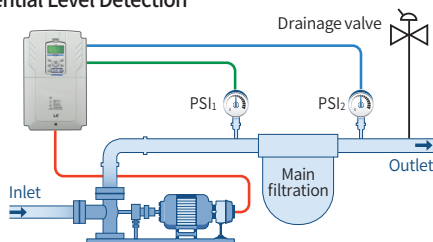
Lead-lag



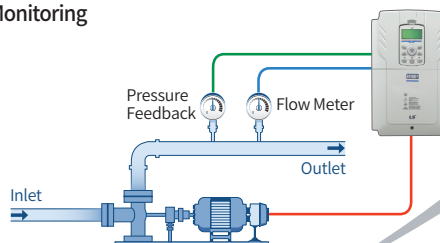
PI Auxiliary Control



Differential Level Detection



Flow Monitoring



3-phase 200~240V 1HP~125HP
3-phase 380~480V 1HP~800HP
3-phase 525~600V 7.5HP~125HP



200~240V Class 1-125HP

Model H100 XXXX-2 (PLUS)				0008	0015	0022	0037	0055	0075	0110	0150	0185	0220	0300	0370	0450	0550	0750	0900	
Applied Motor	Heavy Duty (150% OL)		HP	0.5	1	2	3	5	7.5	10	15	20	25	30	40	50	60	75	100	
			kW	0.4	0.75	1.5	2.2	3.7	5.5	7.5	11	15	18.5	22	30	37	45	55	75	
	Normal Duty (120% OL)		HP	1	2	3	5	7.5	10	15	20	25	30	40	50	60	75	100	125	
			kW	0.75	1.5	2.2	3.7	5.5	7.5	11	15	18.5	22	30	37	45	55	75	90	
Rated Output	Rated Capacity (kVA)			1.9	3	4.5	6.1	8.4	11.4	16	21.3	26.3	31.2	41.9	54.1	64.4	85.0	100.6	123.8	
	Rated Current(A)	3-Phase input	HD	2.5	5	8	11	17	24	32	46	60	68	81	106	136	169	195	255	
			ND	5	8	12	16	22	30	42	56	69	82	110	142	169	223	264	325	
	Single Phase input (ND)		2.9	4.4	6.4	8.4	11	16	23	30	37	45	58	78	92	122	145	178		
	Output Frequency			0-400 Hz									0-400 Hz							
	Output Voltage (V)			3-Phase 200-240 V									3-Phase 200-240 V							
Rated Input	Working Voltage (V)	3-Phase	3-Phase 200-240 VAC (-15%--+10%)									3-Phase 200-240 VAC (-15%--+10%)								
		1-Phase	1-Phase 240 VAC (-5%--+10%)									1-Phase 240 VAC (-5%--+10%)								
	Input Frequency	3-Phase	50-60 Hz (±5%)									50-60 Hz (±5%)								
		1-Phase	60 Hz (±5%)									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	62.1	74.4	97.9	128.0	160.0	185.7	245.7
				ND	4.9	8.4	12.9	17.5	23.7	32.7	46.4	62.3	77.2	74.8	101.0	131.2	159.0	211.1	251.4	313.2
Weight (lb)				7.3	7.3	7.3	7.3	7.3	7.3	7.5	10.1	10.6	55.8	72.5	86.4	90.6	118.2	121.9	159.2	

380~480V Class 1-800HP

Model H100 XXXX-4 (PLUS)			0008	0015	0022	0037	0055	0075	0110	0150	0185	0220	0300	0370	0450	0550	0750	0900	1100	1320	1600	1850	2200	2500	3150	3550	4000	5000	
Applied Motor	Heavy Duty (150% OL)	HP	0.5	1	2	3	5	7.5	10	15	20	25	30	40	50	60	75	100	125	150	200	250	250	300	400	450	500	650	
		kW	0.4	0.75	1.5	2.2	3.7	5.5	7.5	11	15	18.5	22	30	37	45	55	75	90	110	132	160	185	220	250	315	355	400	
	Normal Duty (120% OL)	HP	1	2	3	5	7.5	10	15	20	25	30	40	50	60	75	100	125	150	200	250	300	350	400	500	550	650	800	
		kW	0.75	1.5	2.2	3.7	5.5	7.5	11	15	18.5	22	30	37	45	55	75	90	110	132	160	185	220	250	315	355	400	500	
Rated Output	Rated Capacity (kVA)		1.9	3	4.5	6.1	9.1	12.2	18.3	23	29	34.3	46.5	57.1	69.4	82	108.2	128.8	170	201	248	282	329	367	467	520	587	733	
	Rated Current(A)	3-Phase input	HD	1.3	2.5	4	5.5	8	12	15	22	28	35	41	55	67	81	106	136	169	195	255	303	345	375	478	541	591	740
		ND	2.5	4	6	8	12	16	24	30	38	45	61	75	91	107	142	169	223	264	325	370	432	481	613	683	770	962	
	Single Phase input (ND)		1.6	2.4	3.5	4.6	6.8	9.2	14	17	22	26	36	39	47	55	73	86	93	101	137	137	181	218	232	245	280	361	
	Output Frequency		0-400 Hz																	0-400 Hz									
	Output Voltage (V)		3-Phase 380-480 V																	3-Phase 380-500 V									
Rated Input	Working Voltage (V)	3-Phase	3-Phase 380-480 VAC (-15%~+10%)																	3-Phase 380-500VAC (-15%~+10%)									
		1-Phase	1-Phase 480 VAC (-5%~+10%)																	3-Phase 380-500VAC (-15%~+10%)									
	Input Frequency	3-Phase	50-60 Hz (±5%)																	50-60 Hz (±5%)									
		1-Phase	60 Hz (±5%)																	50-60 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	46.7	52.3	64.5	78	100.9	134.1	159.5	186.2	243.4	291	331.3	360.1	461.7	522.5	570.8	714.7	
		ND	2.4	4.2	6.5	8.7	12.2	17.5	26.5	33.4	42.5	50.7	69.1	69.3	84.6	100.1	133.6	160	215.1	254.6	315.3	358.9	419.1	469.3	598.1	666.4	751.3	938.6	
Weight (lb)			7.3	7.3	7.3	7.3	7.3	7.3	7.5	10.1	10.6	16.5	16.5	57.3	77.2	77.2	94.8	94.8	123.0	123.0	164.7	164.7	264.6	264.6	409.0	409.0	409.0	584.2	

525~600V Class 7.5-125HP

Model H100 XXXX-5 (PLUS)			0055	0075	0110	0150	0185	0220	0300	0370	0450	0550	0750	0900	
Applied Motor	Heavy Duty (150% OL)	HP	5	7.5	10	15	20	30	30	40	50	60	75	100	
		kW	3.7	5.5	7.5	11	15	18.5	22	30	37	45	55	75	
	Normal Duty (110% OL)	HP	7.5	10	15	20	25	30	40	50	60	75	100	125	
		kW	5.5	7.5	11	15	18.5	22	30	37	45	55	75	90	
Rated Output	Rated Capacity (kVA)		9.0	12.0	16.9	22.9	26.9	33.9	42.8	54.8	63.7	79.7	103.6	127.48	
	Rated Current(A)	HD	6.6	9.0	12.0	17.0	23.0	27.0	32.2	41.6	52	60	80	104	
		ND	9.0	12.0	17.0	23.0	27.0	34.0	40.2	52.0	59.8	73.9	101.9	122.4	
	Output Frequency		0-120 Hz							0-120 Hz					
	Output Voltage (V)		3-Phase 575 V							3-Phase 575 V					
Rated Input	Working Voltage (V)		3-Phase 525-600 VAC (-15%--+10%)							3-Phase 525-600 VAC (-15%--+10%)					
	Input Frequency		60 Hz (±5%)							60 Hz (±5%)					
	Rated Current (A)	HD	6	8.1	11	15.7	21.5	24.7	32.2	41.6	52	60	80	104	
		ND	8.0	10.7	15.3	20.9	25.0	30.8	40.2	52.0	59.8	73.9	101.9	122.4	
Weight (lb)			20.9	21.2	21.9	22.1	22.4	31.5	32.3	55.1	74.1	74.3	96.1	96.4	



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