



L1000A ELEVATOR DRIVE (2-400 HP)



Overload Capacity

150% Overload for 60 s (Heavy Duty)

Output Frequency

0 to 200 Hz

Control Methods

- Open Loop Current Vector Control
- V/f Control
- Flux Vector Control
- PM Flux Vector Control

Protective Design

IPO0/IP00 with top cover

Global Certification

CE, UL, cUL, CAN/CSA-B44.1/ASME-17.5

Available I/O

- (8) multi-function digital inputs
- (2) multi-function +/- analog inputs
- (3) multi-function relay output
- (2) multi-function photocoupler outputs
- (2) multi-function +/- Vdc analog outputs
- (1) fault relay
- (2) safe disable inputs
- (1) safety electronic device monitor

Network Communication

- RS-422/485 Modbus 115.2 kbps
- Optional: CANopen, and more

Keypad Operator

Standard multi-lingual, full-text remote LCD with copy function

Options

- EMC Filter
- Encoder Feedback: Incremental, EnDat, Heidenhain ERN1387/487
- R1000 Regenerative Unit

The L1000A incorporates innovative technology and uses special hardware designed for more than 70,000 hours of maintenance free operation. It provides advanced control functions to run induction and PM (permanent magnet) motor applications in geared and gearless elevator systems.

Based on many years of experience and application oriented innovation, the L1000A provides high-performance characteristics offering a set of attractive features: energy and life-cycle-cost efficiency, simple and stress-free setup, and safe and comfortable rides.

The L1000A Drive Series is a dedicated drive for elevator applications suitable for both modernization projects and new installations.

Real choices and real benefits for elevator applications.

- Advanced motor and drive technology for gearless PM motor control
- Features to reduce floor-to-floor times
- Low carrier frequency based current ratings for quiet operation
- Elevator language and units for speed, accel/decel and jerk rates
- Various types of auto-tuning for induction and gearless permanent magnet motors (uncoupled/coupled)
- Built-in braking transistor for all models up to 40HP
- System inertia compensation
- Torque compensation at start without load sensor (anti-rollback)
- Simple and efficient brake sequence
- Input voltage sensors for phase loss detection
- Powerful interface capability for simple elevator controller integration
- De-magnetization protection for PM motor
- Light load function for UPS (Uninterrupted Power Supply)
- Rescue operation function
- ON/OFF and temperature controlled cooling fan
- Service performance monitors
- Removable multi-function terminal board w/ parameter backup function
- CAN/CSA-B44.1/ASME-17.5

L1000A RATINGS AND SPECIFICATIONS

	Model: CIMR- LU□□□□□	Motor Capacity		Current		Dimensions (inches)			
		HP	kW	Output (A)	Overload (150%, 60 s)	Fig. No.	H	W	D
200 to 240 VAC Models	20008	2	1.5	8	12	1	10.2	5.5	5.8
	20011	3	2.2	11	17	1	10.2	5.5	5.8
	20014	4	3	14	21	1	10.2	5.5	6.5
	20018	5	3.7	17.5	26	1	10.2	5.5	6.5
	20025	7.5	5.5	25	38	1	10.2	5.5	6.6
	20033	10	7.5	33	50	1	10.2	5.5	6.6
	20047	15	11	47	71	1	11.8	7.1	7.4
	20060	20	15	60	90	1	13.8	8.7	7.8
	20075	25	18.5	75	113	1	13.8	8.7	7.8
	20085	30	22	85	128	2	15.7	9.8	10.2
	20115	40	30	115	173	2	17.7	10.8	10.2
	20145	50	37	145	218	3	21.7	12.8	11.1
	20180	60	45	180	270	3	21.7	12.8	11.1
	20215	75	55	215	323	3	27.8	17.7	13
	20283	100	75	283	425	3	27.8	17.7	13
20346	125	90	346	519	3	31.5	19.7	13.8	
20415	150	110	415	519	3	31.5	19.7	13.8	
380 to 480 VAC Models	40005	2	1.5	5	7.5	1	10.2	5.5	5.8
	40006	3	2.2	6	9	1	10.2	5.5	6.5
	40007	4	3	7	11	1	10.2	5.5	6.5
	40009	5	3.7	9.2	14	1	10.2	5.5	6.5
	40015	7.5	5.5	14.8	22	1	10.2	5.5	6.6
	40018	10	7.5	18	27	1	10.2	5.5	6.6
	40024	15	11	24	36	1	11.8	7.1	6.6
	40031	20	15	31	47	1	11.8	7.1	7.4
	40039	25	18.5	39	59	1	13.8	8.7	7.8
	40045	30	22	45	68	2	15.7	9.8	10.2
	40060	40	30	60	90	2	17.7	10.8	10.2
	40075	50	37	75	113	2	20.1	12.8	10.2
	40091	60	45	91	137	2	20.1	12.8	10.2
	40112	75	55	112	168	3	21.7	12.8	11.1
	40150	100	75	150	225	3	21.7	12.8	11.1
40180	125	110	180	270	3	31.5	19.7	13.8	
40260	175	132	260	390	3	31.5	19.7	13.8	
40304	200	160	304	456	3	31.5	19.7	13.8	
40370	250	185	370	555	3	37.4	19.7	14.6	
40450	300	220	450	675	3	44.9	26.4	14.6	
40605	400	315	605	908	3	44.9	26.4	14.6	
500 to 600 VAC Models	50003	2	1.5	3.5	5.3	1	10.2	5.5	5.8
	50004	3	2.2	4.1	6.2	1	10.2	5.5	6.5
	50006	5	3.7	6.3	9.5	1	10.2	5.5	6.5
	50010	7.5	5.5	9.8	15	1	10.2	5.5	6.6
	50013	10	7.5	12.5	19	1	11.8	7.1	7.4
	50017	15	11	17	26	1	11.8	7.1	7.4
	50022	20	15	22	33	1	13.8	8.7	7.8
	50027	25	18.5	27	41	1	13.8	8.7	7.8
	50032	30	22	32	48	2	17.7	10.8	10.2
	50041	40	30	41	62	2	17.7	10.8	10.2
	50052	50	37	52	78	3	21.7	12.8	11.1
	50062	60	45	62	93	3	21.7	12.8	11.1
	50077	75	55	77	116	3	21.7	12.8	11.1
	50099	100	75	99	149	3	27.8	17.7	13
	50130	125	90	130	195	3	27.8	17.7	13
50172	150	110	172	258	3	31.2	19.7	13.8	
50200	200	160	200	300	3	31.2	19.7	13.8	

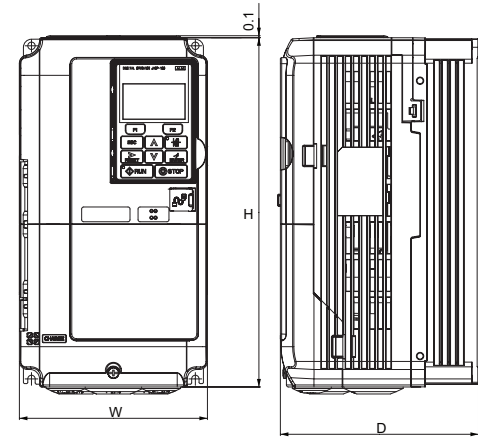


Figure 1

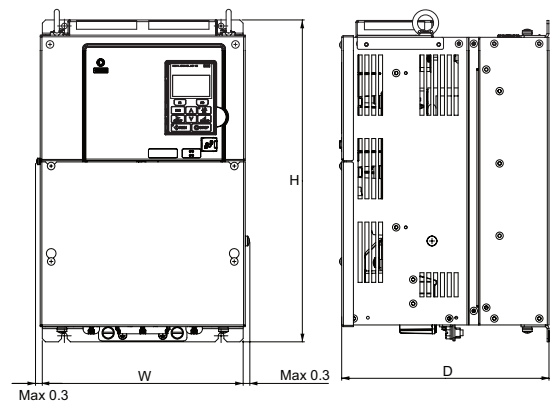


Figure 2

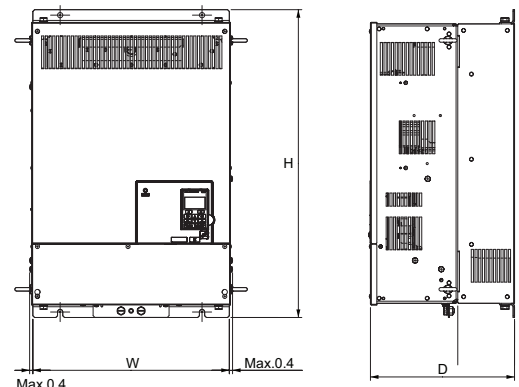


Figure 3

IT'S PERSONAL