

ME320LN for Elevator Closed Loop Inverter

ME320LN is a dedicated inverter for elevator control, with specific parameter set and features that are tailored for easy integration in elevator controllers

Power Rating

- 2.2kW to 45kW, three-phase 380 to 480Vac

Applications

- Elevator

Applicable Motor Type

- Asynchronous (Induction) motor
- Synchronous Permanent Magnet Motor

Applicable Encoder Type

- MDPG-C (terminal block) / MDPG-C2 (15-Way D-Sub) for Weton SinCos EI58C9.25/ERN1387 (5Vdc, 2048PPR) encoder with C,D signals and quadrature incremental encoder (A+,A-,B+,B- signals, 5V HTL Compatible)
- MD32PG5 for absolute SinCos ECN413/ECN1313 with EnDat2.0/2.1
- MDPG-B for quadrature incremental encoder (A+,A-,B+,B-) with UVW commutation signals
- MDPG-A4 for incremental encoder single ended (A+,B+ signals)



Technical Features

- Smooth starting and stopping performance without load compensations (Gearless)
- Pre-torque function (Analog signal from load cell for Geared Machine)
- Flexible and enhanced S-Ramps (4-Independent) allows fine-tuning of ride performance
- UPS rescue light-load search for elevator rescue application
- Dedicated elevator control features like integrated brake control interface with elevator running logic, overload protection and 40 trip indications to facilitate easy diagnostics etc.
- Get started quickly with user friendly default factory setting

General Specifications

380 to 480Vac, -15% to 10% (323Vac to 528Vac)

Model Code	Frame Size	Input Current (A)	Output Current (A)	Typical Motor (kW)	Dimension, (mm)			Dynamic Braking Unit	Dynamic Braking Resistor		
		3Ø	3Ø		Height (H)	Width (W)	Depth (D)		Min. Ω	Max. Ω	Recommended Power (W)
ME320LN-4002-SA	C	5.8	5.1	2.2	186	125	164	In-Built	220	290	600
ME320LN-4003-SA	D	10.5	9.0	3.7	248	160	183		130	170	1,100
ME320LN-4005-SA		14.6	13.0	5.5					90	115	1,600
ME320LN-4007-SA		20.5	18.0	7.5					65	85	2,500
ME320LN-4011-SA	E	29.0	27.0	11.0	322	208	192		43	55	3,500
ME320LN-4015-SA		36.0	33.0	15.0					32	43	4,500
ME320LN-4018-SA		41.0	39.0	18.5					25	34	5,500
ME320LN-4022-SA	F	49.5	48.0	22.0	432	285	228		22	24	6,500
ME320LN-4030-SA		62.0	60.0	30.0					16	20	9,000
ME320LN-4037-SA		77.0	75.0	37.0					13	16	11,000
ME320LN-4045-SA	G	93.0	91.0	45.0	549	385	265	External	11	14	13,500