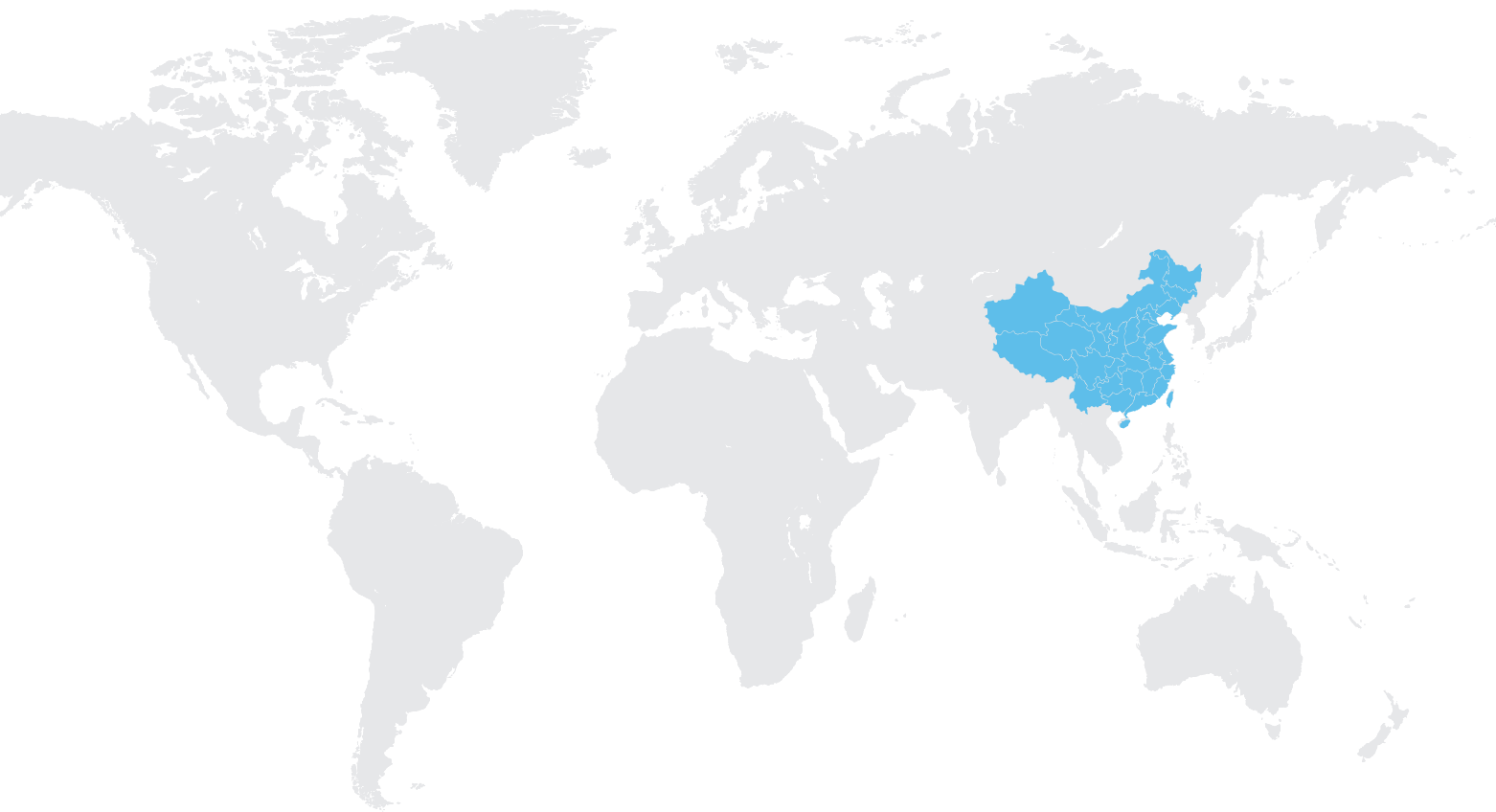


We are committed to elevator solutions

LX-D3300
Closed loop AC elevator drive



IDEEI

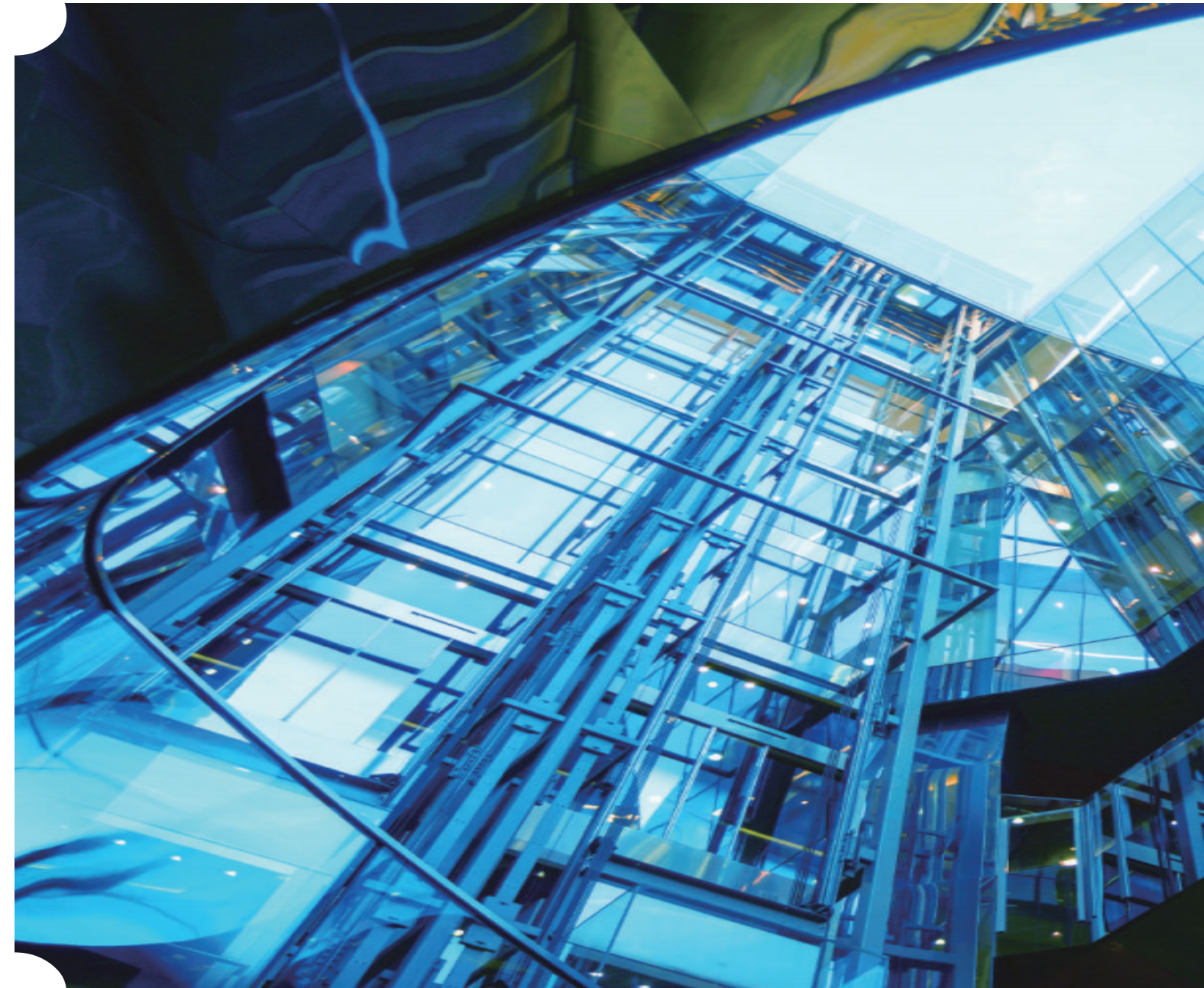


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Web : www.lxideei.com



Your Trusted Industry Automation Solution Provider

For gearless & geared applications

Application Features

- Smooth ride performance
- Integrated brake control
- Easy setup with default factory setting for rapid commissioning
- 5 independent S-Ramps
- Short-floor function
- Direct approach function
- Light load direction sensing
- 60 Vdc rescue function
- 220 Vac UPS (sine & quasi square type)

Enhanced reliability with conformal coating, protects against humidity and dust pollution

Operation in high ambient temperatures $45^{\circ}\text{C}_{\text{avg}}$

Wide operating voltage range 323 to 528 Vac

Built in IO expansion card
Easier replacement

Snap on fan installation is more convenient for replacement

Snap on fan installation is more convenient for replacement

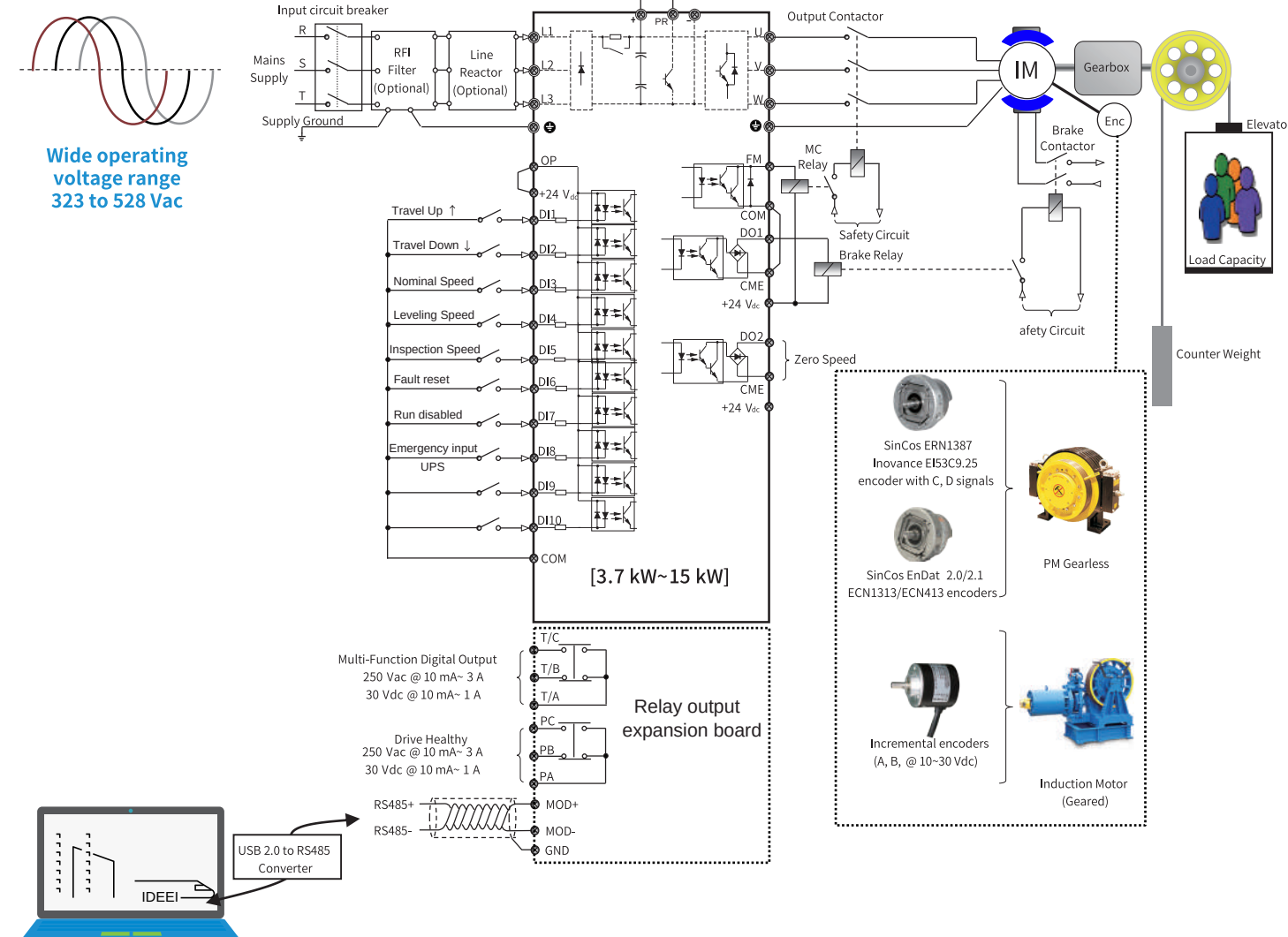
Standard power 3.7kW ~ 15kw) if other power is required
Please explain that we will customize it for you

LX-D3300 elevator AC drive – closed loop Closed loop AC elevator drive

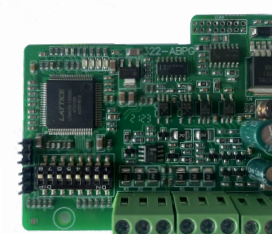
- Flexible, programmable I/O's
- Onboard Modbus-RTU
- Comprehensive trip diagnostics
- Built-in dynamic braking unit
- Anti-rollback function for PMSM gearless machines
- Pre-torque function (analog signal from load cell for geared machines)
- Removable cooling fan
- Multilingual keypad
- Optional remote keypad
- Optional memory
- Conformal coating
- Operating voltage range: 323-528 V
- PC-based software
- Operates in high ambient temperatures: 45°C
- Smooth ride performance
- Five independent S-ramps
- Easy set-up with default factory setting
- Short floor and direct approach functions
- 60 Vdc rescue function ready
- Light load direction for rescue function



General Connection Diagram



Encoder Types

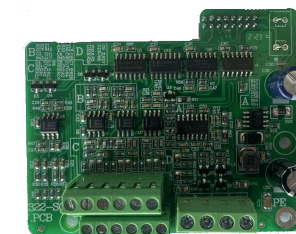


322-ABPG

Single-ended incremental encoder card
15 Vdc Supply, Terminal Block connector
Scalable 1:1~64 encoder emulation output
(Single-ended: A, B, 0 V @ 5~15 V HTL)



Incremental encoders
(A, B, Z @ 10~30 Vdc)

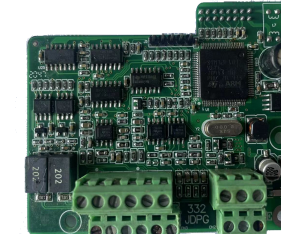


322-SCPG

SinCos encoder card, 5 Vdc supply
Female 15-way D-type connector
Non-scalable 1:1 encoder emulation output
(Single-ended: A, B, 0 V @ 5 V HTL)



SinCos ERN1387
Inovance EI53C9.25
coder with C, D signals



322-JDPG

SinCos encoder card, 5 Vdc supply
Terminal Block connector
Non-scalable 1:1 encoder emulation output
(Single-ended: A, B, 0 V @ 5~24 V HTL)



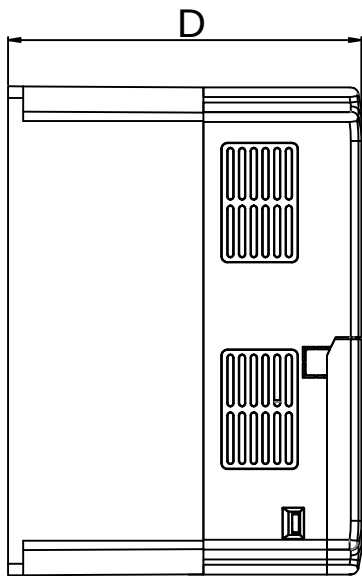
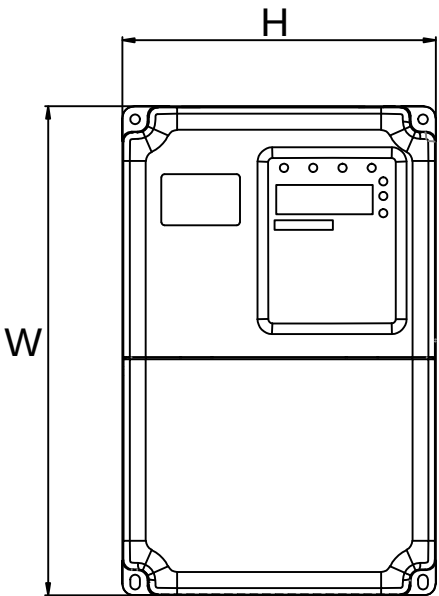
SinCos EnDat 2.0/2.1
ECN1313/413 encoders

Closed loop AC elevator drive



General Specifications

Voltage class		220VAC				380 to 480 AC					
Drive Model		D3300 3.7kw-2		D3300 5.5KW-2	D3300 7.5KW-2	D3300 3.7KW-4	D3300 5.5KW-4	D3300 7.5KW-4	D3300 11KW-4	D3300 15KW-4	
Dimension	Height	[H] : 250 mm		[H] : 320 mm		[H] : 250 mm		[H] :320 mm			
	Width	[W] : 160 mm		[W] : 220 mm		[W] : 160 mm		[W] :220 mm			
	Depth	[D] : 183 mm		[D] : 183 mm		[D] : 183 mm		[D] : 183 mm			
Mounting Hole		ø5		ø6		ø5		ø6			
Drive Input	Rated Input Voltage	Three-phase 200Vac to 240Vac, -15% to +10% (170Vac to 264Vac)				Three-phase 380 to 480V, -15% to +10% (323Vac to 528Vac)					
	Rated Input Current, [A]	10.5	14.6	26	35	10.5	14.8	20.5	29	36	
	Rated input frequency	50/60 Hz, ±5% (47.5 to 63Hz)									
Drive Output	Applicable Motor	[kW]	2.2	3.7	5.5	7.5	3.7	5.5	7.5	11	15
		[HP]	3	5	7.5	10	5	7.5	10.0	15	20
	Output Current ,[A]*1	9	13	25	32	9	13	18.0	27	33	
	Power Capacity, [KVA]	5.9	8.9	17	21	5.9	8.9	11	17	21	
	Overload Capacity	150% for 60 Sec & 180% for 3 Sec									
	Max. output voltage	Three-phase 200Vac to 240Vac (Proportional to input voltage)				Three-phase 380Vac to 480Vac (Proportional to input voltage)					
	Max. output frequency	100 Hz									
Braking Resistor	Recommended Power, [W]	500	750	1200	1500	750	1200	1500	2500	3000	
	Recommended Resistance, [Ω]	≥ 65	≥ 45	≥ 22	≥ 16	≥ 130	≥ 90	≥ 65	≥ 43	≥ 32	
Enclosure		IP 21									



Wiring diagram of encoder PG card

