			STATE
Product designation			Variable speed drives
Product type designation			VLA1
General characteristics			
Rated power supply voltage			200240VAC 50/60Hz
Rated output voltage		VAC	Three-phase 0240VAC 0- 599Hz
Rated output current		Α	2.4
Rated output power		kW	0.4
Rated output power		HP	0.5
EMC filter			Built-in EMC suppressor cat. C2
Communication port			None
Technical features			
Input type			Single-phase
Rated mains voltage		VAC	200240
Operating mains voltage range		VAC	170264
Rated mains frequency		Hz	50/60
Operating mains frequency range		Hz	4565
Rated mains current without mains choke			5.7
Rated mains current with mains choke			4.8
Output type			Three-phase
Output voltage range		VAC	0240
Output frequency range		Hz	0599
Current overload		%/s	150% for 60s, 200% for 3s
Power loss			20W
Brake chopper			No
Switching frequency			216kHz
Max motor cable length			
Shielded			
· ·	Without EMC category	m	50
	Category C2	m	15
Functions			
Motor control modes			V/f linear, quadratic torque, sensorless vector control, ECO mode





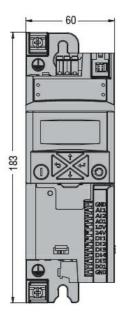
External potentiometer O10kQ Voltage signats: 0 10VDC Current signats: 0.4 20mA Buttons on front keyboard Door-mount installation kit 15 preset speeds via digital inputs Motor potentiometer Yes Silp compensation Yes Silp compensation Yes Silp compensation Yes Silp compensation Yes Occasion of the control Yes Yes Occasion of the control Yes Yes Occasion of the control Yes Yes Silp compensation Yes Occasion of the control Yes of the c			
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Input and Output Number of digital input type Digital input type Auxiliary pumps activated in direct mode in case of necessity) Nr. 5 Selectable PNP or NPN logic	Special funct.		
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Digital input type Selectable PNP or NPN logic		Nr.	5
or INPN logic			
Number of digital output Nr. 2			
	Number of digital output	Nr.	2

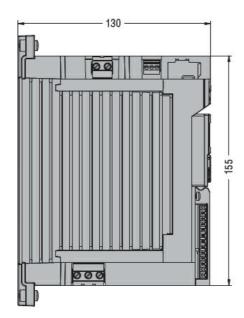




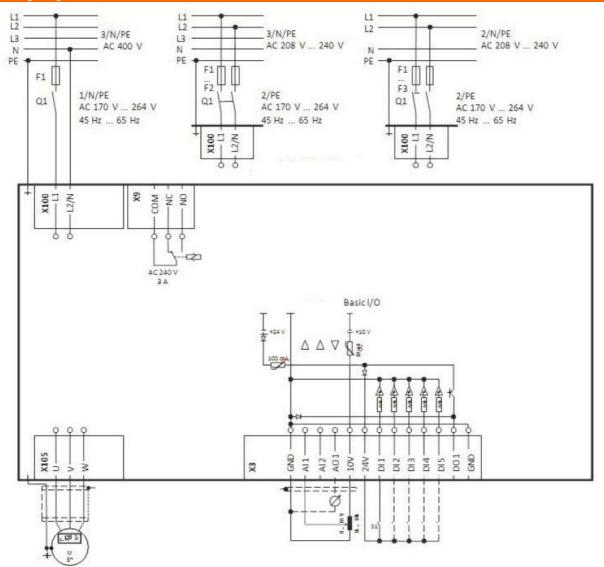
				1 relay output
				with changeover
Digital output arrangement				contact (C/O-
				SPDT) + 1 digital
				Output
				Relay output: 3A 250VAC Digital
Output contacts rating	S			output: 100mA
				max 30VDC
Number of analog inpo	ut		Nr.	2
				Analog input 1:
				configurable 0/210VDC, 0
				5VDC, 0/4
Analog input type				20mA Analog
				input 2:
				configurable
				0/210VDC or 05VDC
Number of analog out	put		Nr.	1
				configurable as
				010VDC, 0
Analog output type				5VDC, 2
				10VDC, 0/4 20mA
Ambient conditions				ZOMIX
Temperature				
	Operating temperature			
		min	°C	-10
		max	°C	+55
		Current derating		2.5%/°C over
	Storage temperature			40°C
	Storage temperature	min	°C	-25
		max	°C	+60
Relative humidity			%	595% (with no
			70	condensing)
				4000m (over
Max altitude			m	1000m derate the rated current
				by 5%/1000m)
Maximum Pollution de	gree			2
Overvoltage category				III up to 2000m
				altitude (II above
Housing				2000m)
Housing Installation position				Vertical
IP degree of protection	nn			IP20
Dimensions (W x H x			mm	60 x 183 x 130
Weight	- /		Kg	0.75
Dimensions			3	







Wiring diagrams



Certifications and compliance

Compliance

CSA 22.2 No. 274



ENERGY AND AUTOMATION

VLA104A240

VARIABLE SPEED DRIVE, VLA1 TYPE, SINGLE-PHASE, SUPPLY 200...240VAC (50/60HZ). BUILT-IN EMC SUPPRESSOR, CAT. C2, 0.4KW

	EN 61800-5-1	
	UL61800-5-1	
Certificates		
	cULus	
	EAC	
	RCM	
ETIM classification	n	

ETIM 8.0

EC001857 -Frequency

converter =< 1 kV