



	Variable speed drives VLA1
	VLAT
	200240VAC 50/60Hz
VAC	Three-phase 0240VAC 0- 599Hz
А	2.4
kW	0.4
HP	0.5
	Built-in EMC suppressor cat. C2
	None
	Single-phase
VAC	200240
VAC	170264
	50/60
Hz	
Hz Hz	4565
	4565 5.7
	5.7
	5.7 4.8
Hz	5.7 4.8 Three-phase 0240 0599
Hz	5.7 4.8 Three-phase 0240
Hz VAC Hz	5.7 4.8 Three-phase 0240 0599 150% for 60s,
Hz VAC Hz	5.7 4.8 Three-phase 0240 0599 150% for 60s, 200% for 3s
Hz VAC Hz	5.7 4.8 Three-phase 0240 0599 150% for 60s, 200% for 3s 20W
	A kW HP VAC VAC

Shielded

	Without EMC category	m	50
	Category C2	m	15
Functions			
Motor control modes			V/f linear, quadratic torque, sensorless vector control, ECO mode



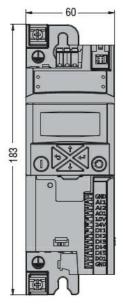
		External
		potentiometer
		010kΩ Voltage
		signals: 0
		10VDC Current
		signals: 0/4
Speed reference signals		20mA Buttons on
		front keyboard
		Door-mount installation kit 15
		preset speeds
		via digital inputs
		Motor
		potentiometer
3-wire control		Yes
S-shape curves		Yes
Slip compensation		Yes
Flying restart		Yes
Access to DC bus		No
DC braking		Yes
DC injection at start		Yes
PID control		Yes, with sleep
		and rinse function
Sequencer (programmable frequency/time cycles)		Yes
Preset speeds		Yes
Motorpotentiometer		Yes
Different parameter configuration sets		Yes
Parameters changeover function		Yes
Favorite parameters menu		Yes
Autotuning Safe torque Off (STO) safety function		No No
PTC probe input		No
		Overcurrent
		Output short
		circuit and
		earth/ground
		leakage
Protections		Overvoltage
		Undervoltage
		Phase loss Motor
		heat overload
		(i2t) Overspeed
		Speed reverse
		Multi-pump PID
		control (1 main
		pump frequency
Special funct.		regulated + 2
		auxiliary pumps
		activated in direct
		mode in case of
		necessity)
Input and Output Number of digital input	Nr.	5
	INI.	Selectable PNP
Digital input type		or NPN logic
Number of digital output	Nr.	2

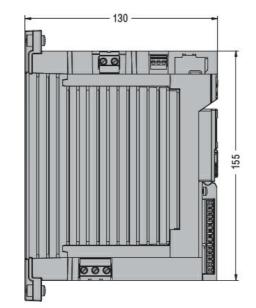


Digital output arrangement			1 relay output with changeover contact (C/O- SPDT) + 1 digital output
Output contacts ratings			Relay output: 3A 250VAC Digital output: 100mA max 30VDC
Number of analog input		Nr.	2
Analog input type			Analog input 1: configurable 0/210VDC, 0 5VDC, 0/4 20mA Analog input 2: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

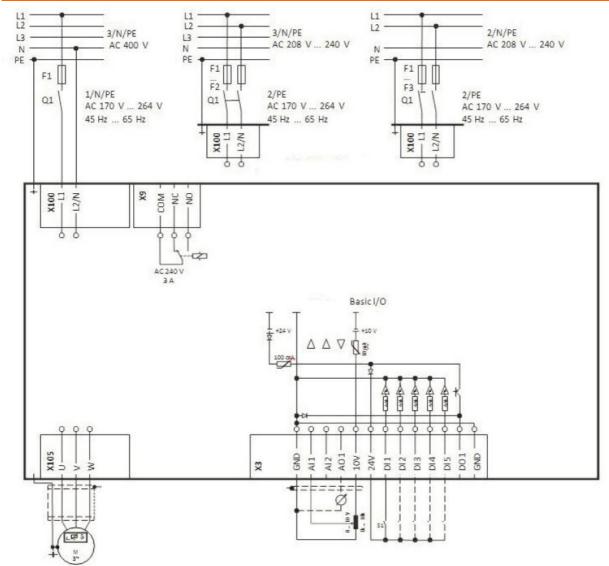


## VLA104A240 VARIATEURS DE VITESSE VLA1 1P 0.4 KW 200...240VAC 50/60HZ AVEC FILTRE CAT.C2





Wiring diagrams



## Certifications and compliance Compliance

CSA 22.2 No. 274



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

**ETIM 8.0** 

EC001857 -Frequency converter =< 1 kV