



	Car we
	Variable speed drives
	VLA1
	200240VAC 50/60Hz
VAC	Three-phase 0240VAC 0- 599Hz
А	9.6
kW	2.2
HP	3
	Built-in EMC suppressor cat. C2
	None
	Single-phase
VAC	200240
VAC	170264
Hz	50/60
Hz	4565
	22.5
	16.9
	Three-phase
VAC	0240
Hz	0599
%/s	150% for 60s, 200% for 3s
	70W
	70W No
	A kW HP VAC VAC Hz Hz Hz

Shielded

	Without EMC category	m	50
	Category C2	m	20
Functions			
Motor control modes			V/f linear, quadratic torque, sensorless vector control, ECO mode



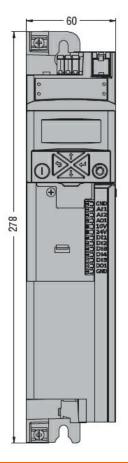
3-wire controlYes3-wire controlYesS-shape curvesYesSlip compensationYesFlying restartYesAccess to DC busNoDC brakingYesDC injection at startYesPID controlYes, with slee and rinse funcSequencer (programmable frequency/time cycles)YesPreset speedsYesMotorpotentiometerYesDifferent parameter configuration setsYesDescription at startYesDifferent parameter configuration setsYes	s on d 15 s ts
S-shape curvesYesSlip compensationYesFlying restartYesAccess to DC busNoDC brakingYesDC injection at startYesPID controlYes, with slee and rinse functSequencer (programmable frequency/time cycles)YesPreset speedsYesMotorpotentiometerYesDifferent parameter configuration setsYes	
Slip compensationYesFlying restartYesAccess to DC busNoDC brakingYesDC injection at startYesPID controlYes, with slee and rinse fundSequencer (programmable frequency/time cycles)YesPreset speedsYesMotorpotentiometerYesDifferent parameter configuration setsYes	
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PID control Yes, with slee and rinse function Sequencer (programmable frequency/time cycles) Yes Preset speeds Yes Motorpotentiometer Yes Different parameter configuration sets Yes	
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Preset speedsYesMotorpotentiometerYesDifferent parameter configuration setsYes	
MotorpotentiometerYesDifferent parameter configuration setsYes	
Different parameter configuration sets Yes	
Parameters changeover function Yes	
Favorite parameters menu Yes	
Autotuning No	
Safe torque Off (STO) safety function No	
PTC probe input No	
Protections Overcurrent Protections Overcurrent Protections Overcurrent (ircuit and earth/ground leakage Undervoltage Phase loss M heat overload (i2t) Overspect Speed reversed	ed
Special funct. Special funct. Multi-pump Pl control (1 mai pump frequer regulated + 2 auxiliary pump activated in di mode in case necessity)	n icy os rect
Number of digital input Nr. 5	
Selectable PI	
Digital input type or NPN logic	IP
Number of digital output Nr. 2	IP

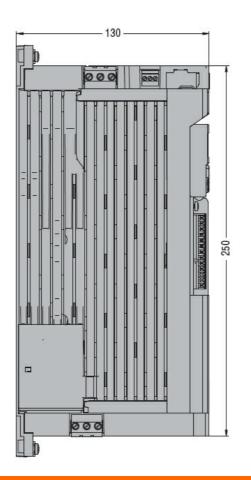


Digital output arrangeme	ent			1 relay output with changeover contact (C/O- SPDT) + 1 digital output
Output contacts ratings				Relay output: 3A 250VAC Digital output: 100mA max 30VDC
Number of analog input			Nr.	2
Analog input type				Analog input 1: configurable 0/210VDC, 0 5VDC, 0/4 20mA Analog input 2: configurable 0/210VDC or 05VDC
Number of analog output	ıt		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 degr	ree			2
Overvoltage category				III up to 2000m altitude (II above 2000m)
Housing				Vertical
Installation position				Vertical
IP degree of protection				IP20
Dimensions (W x H x D)			mm	60 x 281 x 130
Weight			Kg	1.35
Dimensions				



VLA122A240 Variable speed drive, VLA1 type, single-phase, supply 200...240VAC (50/60Hz). Built-in EMC suppressor, Cat. C2, 2.2kW

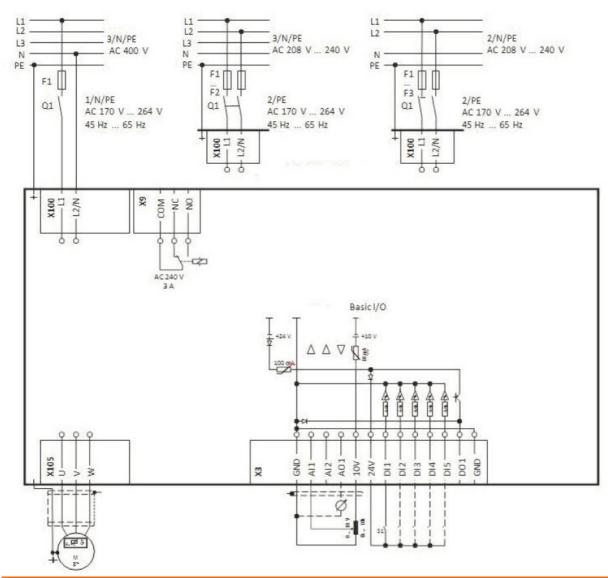




Wiring diagrams



VLA122A240 Variable speed drive, VLA1 type, single-phase, supply 200...240VAC (50/60Hz). Built-in EMC suppressor, Cat. C2, 2.2kW



Certifications and compliance

Compliance	
	CSA 22.2 No. 274
	EN 61800-5-1
	UL61800-5-1
Certificates	
	cULus
	EAC
	RCM
ETIM classification	n se

ETIM 8.0

EC001857 -Frequency converter =< 1 kV