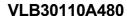




Product designation			Variable speed
•			drives
Product type designation			VLB3
General characteristics			
Rated power supply voltage			400480VAC 50/60Hz
Rated output voltage		VAC	Three-phase 0 480VAC 0-599Hz
Rated output current		Α	23.5
Rated output power		kW	11
Rated output power		HP	15 (Heavy load) / 20 (Standard load)
EMC filter			Built-in EMC suppressor cat. C2
Communication port			RS485, Modbus- RTU
Technical features			
Input type			Three-phase
Rated mains voltage		VAC	400480
Operating mains voltage range		VAC	340528
Rated mains frequency		Hz	50/60
Operating mains frequency range		Hz	4565
Rated mains current without mains choke			28.4 (heavy load)
Rated mains current with mains choke			22.3 (heavy load) / 27.1 (standard load)
Output type			Three-phase
Output voltage range		VAC	0480
Output frequency range		Hz	0599
Current overload		%/s	150% for 60s; 200% for 3s
Apparent output power			16 (heavy load) / 19 (standard load)
Power loss			4kHz: 260W (heavy load) / 309 (standard load)
Brake chopper			Yes
Switching frequency			216kHz
Max motor cable length			
Shielded			
	Without EMC category	m	100
	Category C1	m	3
	Category C2	m	20





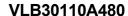
变频器, VLB3, 三相电源400-480VAC 50/60HZ. 内置EMC抑制器 CAT. C2, 11KW

	Category C3	m	50
Unshielded	Without EMC category	m	200
Functions	William Elvio satogory	111	200
Motor control modes			V/f linear, quadratic torque, sensorless vector control, ECO mode, servo control with encoder feedback, multipoint V/f curve, V/f closed loop control with encoder feedback, torque setpoint, sensorless
Speed reference signals			External potentiometer 010kΩ Voltage signals: 0 10VDC or -10 +10VDC Current signals: 0/4 20mA Buttons on front keyboard Door-mount installation kit 15 preset speeds via digital inputs Motor potentiom
3-wire control			Yes
S-shape curves			Yes
Slip compensation			Yes
Flying restart			Yes
Access to DC bus			Yes
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 Sefe tergue Off (STO) sefety function			No
Safe torque Off (STO) safety function			Optional
PTC probe input			Yes



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9	0	
	Overcurrent	
	Output short circuit and	
	earth/ground	
	leakage	
Protections	Overvoltage	
Fiolections	Undervoltage	
	Phase loss M	
	heat overload	
	(i2t) Overspee	
	Speed revers	
	Multi-pump PI	
	control (1 mai	
	pump frequen	
	regulated + 2	
Special funct.	auxiliary pump	
	activated in di	
	mode in case	
	necessity)	0.
Input and Output	necessity)	
Number of digital input	Nr. 5	
Digital input type	Selectable PN	۱P
Digital input type	or NPN logic	
Number of digital output	Nr. 2	
	1 relay output	
	with changeov	
Digital output arrangement	contact (C/O-	
	SPDT) + 1 dig	gital
9	output	
	Relay output:	
Output contacts ratings	250VAC Digita	
o dip di comacio ratingo	output: 100m/	A
	max 30VDC	
Number of analog input	Nr. 2	
	Configurable	
Analysis to the	0/210VDC,	
Analog input type	-10+10VDC	
	05VDC, 0/4	ł
Number of analysis subject	20mA	
Number of analog output	Nr. 1 configurable a	
	010VDC, 0.	
Analog output type	5VDC, 2	
Analog output type	10VDC, 0/4	
	20mA	•
Ambient conditions	251171	
Temperature		
Operating temperature		
	min °C -10	
	max °C +55	



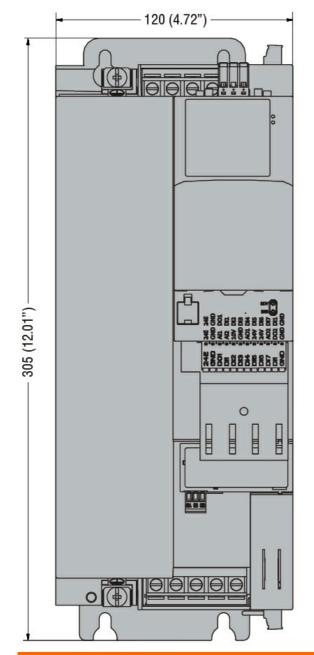


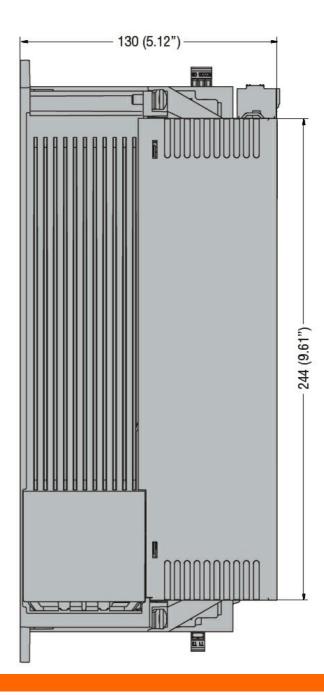
变频器, VLB3, 三相电源400-480VAC 50/60HZ. 内置EMC抑制器 CAT. C2, 11KW

	Current derating		switching frequency 2 or 4kHz: 2.5%/°C over 45°C switching frequency 8 or 16kHz: 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
Overvoltage category			III up to 2000m altitude (II above 2000m)
Housing			
Installation position			Vertical
IP degree of protection			IP20
Dimensions (W x H x D)		mm	120 x 305 x 130
Weight		Kg	3.95
Dimensions			



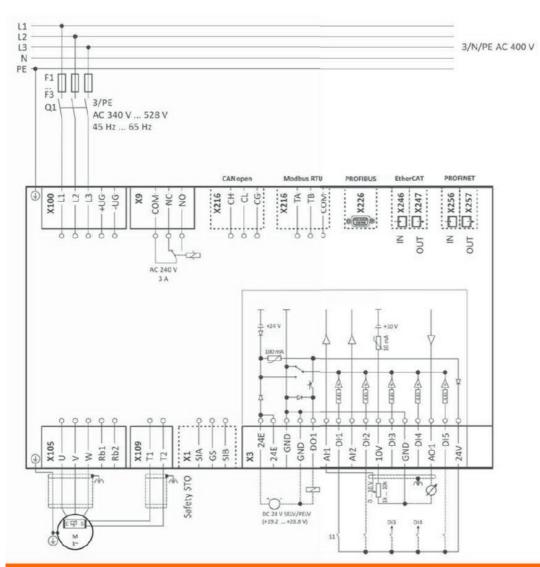
ENERGY AND AUTOMATION





Wiring diagrams

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Certifications and compliance

Compliance

CSA 22.2 n°274 EN 61800-5-1

UL61800-5-1

Certificates

CSA

cULus

EAC

RCM

ETIM classification

ETIM 8.0

EC001857 -Frequency converter =< 1 kV