



Product designation

Variable speed drives

Product type designation

VT107A240

General characteristics

Rated power supply voltage		200...240VAC 50/60Hz
Rated output voltage	VAC	Three-phase 0...240VAC 0- 599Hz
Rated output current	A	4.3
Rated output power	kW	0.75
Rated output power	HP	1
EMC filter		Built-in EMC suppressor cat. C2
Communication port		RS485, Modbus- RTU and BACnet

Technical features

Input type		Single-phase
Rated mains voltage	VAC	200...240
Operating mains voltage range	VAC	170...264
Rated mains frequency	Hz	50/60
Rated mains current without mains choke		11
Output type		Three-phase
Output voltage range	VAC	0...240
Output frequency range	Hz	0...599
Current overload	%/s	150% for 60s
Apparent output power		1.65
Brake chopper		No
Cooling System		Natural
Switching frequency		1...16kHz

Functions

Motor control modes

V/f linear, V/f
quadratic, V/f
multi-point ,
sensorless
vector control

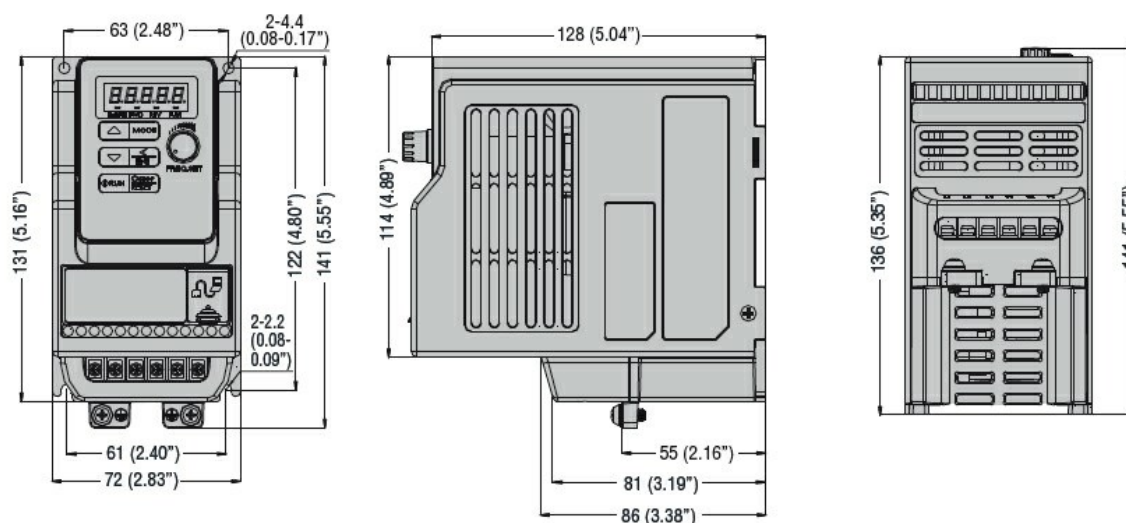
Speed reference signals	Frontal potentiometer
	External potentiometer
	1...10kΩ Voltage signals: 0...10VDC Current signals: 0/4...20mA Buttons on front keyboard
	Door-mount keyboard 7 preset speeds via digital inputs
	RS485 port
	3-wire control
	Yes
	S-shape curves
	Yes
	Slip compensation
	Yes
	Flying restart
No	
Access to DC bus	
No	
DC braking	
Yes	
DC injection at start	
Yes	
PID control	
Yes	
Sequencer (programmable frequency/time cycles)	
Yes	
Preset speeds	
Yes	
Motorpotentiometer	
Yes	
Different parameter configuration sets	Main/alternative run command select
	Main/alternative frequency command select
	Parameters changeover function
	No
	Favorite parameters menu
	No
Autotuning	
Yes	
Safe torque Off (STO) safety function	
No	
PTC probe input	
Yes	
Protections	Motor overload
	Drive overload
	Overvoltage
	Undervoltage
	Phase loss
	Overtemperature
Overspeed	
Special funct.	Multi-pump PID for the control of up to 4 VT1... drives in master-slave configuration
Input and Output	
Number of digital input	Nr. 5
Digital input type	PNP logic
Number of digital output	Nr. 1
Digital output arrangement	1 relay output with NO contact

Output contacts ratings		1A 250VAC, 1A 30VDC
Number of analog input	Nr.	2
Analog input type		1 voltage analog input 0...10VDC 1 current analog input 0/4...20mA
Number of analog output	Nr.	1
Analog output type		0...10VDC
Ambient conditions		
Temperature		
Operating temperature		
	min	°C -10
	max	°C +50
Current derating		from 40 to 50°C with derating of the output current of 6%/°C
Storage temperature		
	min	°C -20
	max	°C +60
Relative humidity	%	<95
Max altitude	m	3000m (over 1000m derate the rated current by 2%/100m)
Maximum Pollution degree		2

Housing

Installation position		Vertical
IP degree of protection		IP20
Dimensions (W x H x D)	mm	72 x 141 x 141
Weight	Kg	1

Dimensions



Certifications and compliance

Compliance

CSA 22.2 No. 274

EN 61800-5-1

UL508C

Certificates

变频器, VT1型, 单相供电200...240VAC (50/60HZ)。内置RS485通讯端口, 内置EMC抑制器, CAT. C2, 0.75KW

cULus	
EAC	
RCM	

ETIM classification

ETIM 8.0	EC001857 - Frequency converter =< 1 kV
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