



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

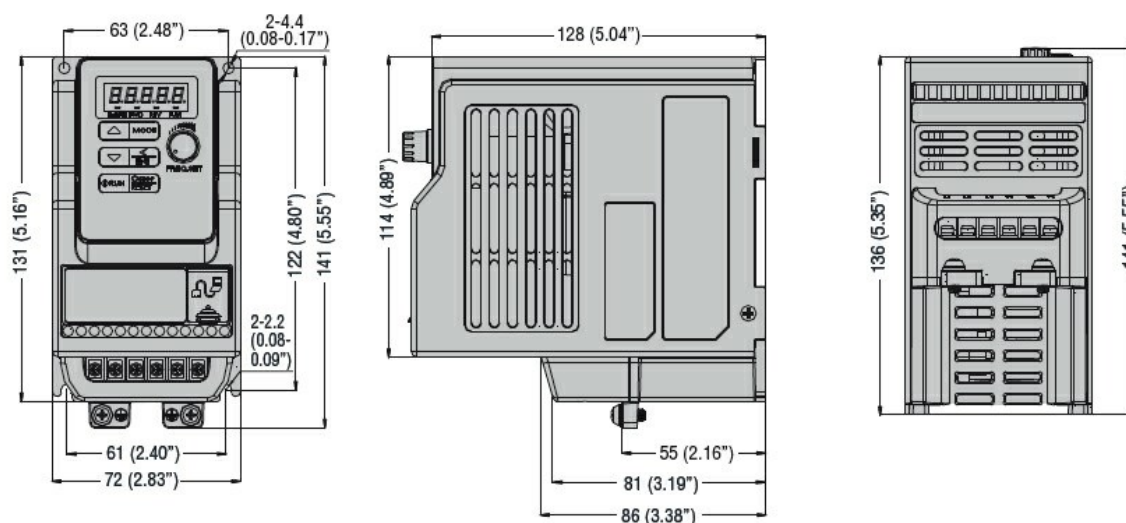
Speed reference signals	Frontal potentiometer		
	External potentiometer		
	1...10kΩ Voltage signals: 0...10VDC Current signals: 0/4...20mA Buttons on front keyboard		
	Door-mount keyboard 7 preset speeds via digital inputs		
	RS485 port		
	3-wire control		
	Yes		
	S-shape curves		
	Yes		
	Slip compensation		
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		
Special funct.	Overspeed		
	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
		from 40 to 50°C with derating of the output current of 6%/°C
Current derating		
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

VARIABLE SPEED DRIVE, VT1 TYPE, SINGLE-PHASE, SUPPLY 200...240VAC (50/60HZ).
BUILT-IN RS485 COMMUNICATION PORT. BUILT-IN EMC SUPPRESSOR, CAT. C2, 0.75KW

cULus

EAC

RCM

ETIM classification

ETIM 8.0

EC001857 -
Frequency
converter =< 1 kV