puissonce

## VARIATEURS DE FREQUENCE

SERIE VFD-L





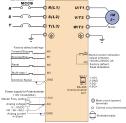




#### **Function Display**

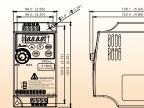


#### Wiring



NOTE: Do not play in a Mosters or telepticos is selectino RS-SS contrus custos port, persevent contrago ros years. Terminal 1.5 a on the power secreticities contrago ros years. Terminal 1.5 a on the power secreticities contrago ros years. Terminal terminal ros of ros the rose of rose that years. Terminal rose contrastication are selected as years. Terminal rose of rose that years of rose of rose that years of rose of rose that years of rose o

#### Dimensions



	Control Characteristi	Output Frequency Resolut				
		Torque Characteristics				
		Overload Endurance				
		Accel/Decel Time				
		V/F Pattern				
		Stall Prevention Level				
	Operating Characteristics		Keypad			
		Frequency Setting	External Sign			
		Operation Setting	Keypad			
		Signal	External Sign			
		Multi-function Input Signa				
		Multi-function Output Sign				
	Other Function					
	Protection					
	Other Cooling					
	ronment	Installation Location				
		Ambient Temperature				
		Storage Temperature				

Standard Specification:

Voltage Class		115V		230V					
Model Number VFD-		002	004	002	004	007	015		
Applicable Motor Output (kW)			0.2	0.4	0.2	0.4	0.7	1.5	
Output Rating	Rated Outp	ut Capacity (KVA)	0.6	1.0	0.6	1.0	1.6	2.7	
	Rated Outp	ut Current (A)	1.6	2.5	1.6	2.5	4.2	7.0	
	Max. Outpu	it Voltage (V)		3phase double the input voltage Proportional to input voltage					
	Rated Freq	uency (Hz)		1.0~400Hz					
Power	Rated Inpu	t Current (A)	6	9	4.9/1.9	6.5/2.7	9.7/5.1	*/9	
	Input Voltage Tolerance		Single phase 100~120V 50/60Hz		Si 20	iz	3-phase 200~240 50/60Hz		
	Frequency	Tolerance							
	Control Sy	stem	SVPWM (Space Vector Pulse Width Modulation, carrier frequency 3kHz~10kl						
Control Characteristics	Output Fre	quency Resolution	0.1Hz						
	Torque Cha	aracteristics	Including auto-torque and auto-slip compensation, the starting torque is 150% at 5 Hz						
	Overload E	ndurance	150% of rated current for 1 minute						
	Accel/Dece		0.1-600Sec. (can be set individually)						
	V/F Pattern		Adjustable V/F curve						
	Stall Preve	ntion Level	20~200% of rated output current						
		Keypad	Setting by ▲▼ keys or potentiometer						
stics	Frequency Setting	External Signal	Potentiometer-5K/0.5W, DC 0 − +10V (Input Impedance 100K), 4−20mA (output Impedance 250 Ω), 3 multi-function inputs (3 preset speeds, JOG, UP/DOWN command), communication setting						
racter	Operation Setting	Keypad	RUN/STOP keys						
g Cha	Signal	External Signal	M0,M1,M2,M3 can be combined to offer various modes of operation, RS-485 communication port						
Operating Characteristics	Multi-funct	ion Input Signal	Multi-step speed selection 0 to 3, Jog, accel/decel inhibit, first/second accel/decel selector, counter, PLC operation, external base block (NC,No selection					econd k (NC,NO)	
Ü	Multi-funct	ion Output Signal	AC Drive Operating, Frequency Attained, Non-zero speed, Base Fault Indication, Local/Remote control indication, PLC Operatio					Block, n indicatio	
	Other F	unction	AVR, S-curve, Over-Voltage Stall Prevention, DC Braking, Fault Records, Adjustable Carrier Frequency, Over-Current Stall Prevention, Momentary Power Loss restart, Reverse Inhibit, Frequency Limits, Parameter Lock/Res						
Protection			Over Voltage, Over Current, Under Voltage, Overload, Overheating, Self-testing, Ground fault						
Other			Built-in EMI Filter for Frame B (single phase )						
Cooling			Forced air-cooling						
	Installation	Location	Altitude	titude 1,000 m or below, keep from corrosive gasses, liquid and dust					
ent	Ambient Te	mperature		-10°C	to +40°C (Non-Condensing and not frozen)				
Environment	Storage Te	mperature	-20°C to +60°C						
	Ambient H	umidity	Below 90%RH (non-condensing)						
	Vibra	ition	9.80665m/s <sup>1</sup> (1G) less than 20Hz, 5.88m/s <sup>1</sup> (0.6Gat) 20 to 50Hz					Hz	



SEID GIB

**Built-in Modbus Communication** 

Suitable for under 100W/3-phase AC motor drive

Compact with VFD-PU02 for running and monitoring AC motor drive (Optional)

115V / 230V model

#### Rated frequency range 1Hz~120Hz

#### Features:

- 1.16-bit microprocessor controlled SVPWM output.
- 2.Low noise; carrier frequency up to 10kHz.
- Controlled reversing.
- 4.2 inputs and 1 output terminal for external controls.
- 5.Adjustable V/F curve.
- 6.Adjustable accel / decel time.
- 7.RS-485 communication (Baud rate 9600).
- 8.Option: Programmable Keypad (VFD-PU02).

#### Function Display







Installation Method





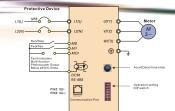






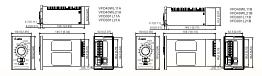






#### Dimensions

Wiring





#### Standard Specifications

Voltage			115V				230V				
Mode	Number VFD - [	⊒□□ LX1A/B	40	w	001		40W 001			)1	
Max.	Applicable Moto	r Output(w)	25/	40	60/10	10	25/40 60/100			100	
Output Rating	Rated Output C	apacity (VA)	y (VA) 108/152		212/303		106/152		212/303		
	Rated Output Current (A)		0.28/0.4		0.56/0.8		0.28/0.4		0.56/0.8		
	Max. Output Voltage (V)		3Phase Double the Input Voltage			Proportional to Input Voltage					
٥	Rated Frequency (Hz)		1.00 to 120.00 Hz								
Input Rating	Rated Voltage/	Frequency	Single-phase 100 to 129 VAC, 50/60 Hz			Single-phase 200 to 240 VAC, 50/60 Hz					
	Voltage/Freq. 1	Tolerance	Voltage:±10%, Frequency:±6%								
	Rated Current	(A)	1.1A	1.5A	2.2A	3.0A	0.5A	0.7A	1.0A	1.4A	
Control Characteristics	Control Systems		SVPWM (Space Vector Pulse Width Modulation, carrier frequency 10kHz)								
	Torque Setting		High/Low, S				witching				
	Overload Endu	rance	150% of rated current				nt for 1 minute				
	Accel/Decel Til	me .	0 to 30.0 secon				conds				
	Frequency Set	ting	Potentiometer								
eteris	Operation	Panel	RUN/STOP; FORWARD/REVERSE								
Char	Setting Signal	Ext. Terminal		RUN/STOP, FORWARD/REVERSE, RS-485							
Operating Characteristics	Output	Panel	Fault Indication (LED Flash)								
	Indication	Ext. Terminal	Fault Indication (Open Collector)								
	Self-lesting, OverVoltage, OverCurrent, UnderVoltage, Overload, Overheating, Electronic thermal										
	Other		EMI Filter Built in for Frame B								
	Cooling Natural air-cooling										
	Installation Lo	cation	Altitude 1,000 m or lower, keep from corrosive gasses, liquid and dust								
t i	Ambient Temp	erature	-10°C TO 40°C (Non-Conde			eneing and not frozen)					
Environment	Storage Tempe	rature		-20°C TO 6							
Envi	Ambient Humidity		Below 80% RH (non-condensing)								
	Vibration		9.80665m/s'(1G) less than 20Hz, 6.68m/s'(0.8G) at 20 to 60Hz								

"We reserve the right of this catalogue contained information change without prior rocke.





# Siège social & service technique :

Z.A Ahuy-Suzon 17 rue des grandes Varennes B.P 46 - 21121 AHUY

Tél: 03 80 55 00 00 fax: 03 80 53 93 63

infos@transtechnik.fr

www.transtechnik.fr

### Bureau Paris :

12 avenue des Andes Bâtiment A 91967 COURTABOEUF Cedex

Tél: 03 80 55 00 00 Fax: 03 80 53 93 63

## ■ Bureau Lyon :

Espace Florentin 71 chemin du moulin Carron 69570 DARDILLY

Tél: 03 80 55 00 00 Fax: 03 80 53 93 63