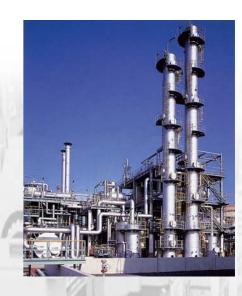


L300P SERIES

Inverter



Technical Data

V/f Control Inverter with Advanced Functions

- Auto-Energy Saving
- PID Control
- Motor Synchronization
- Quick-Stop Function
- Motor Potentiometer

- User Macro Function
- RS485 Interface
- Global Standards: CE, UL, c-UL, CTick and many more.

For standard V/f-Control applications

- Fans and Pumps
- Heating, Ventilation, Air Conditioning
- Food/Beverage Processing





Easy integration into many standard fieldbus systems.

Volume reduced by up to 50% (compared with J300 Series inverters).







All features at a glance

Item			400V/3	3-phase																
Model Name: L300P -				022 HFE2	E2	E2	E2	E2	E2	E2	E2	E3		E2	E2	E2	E2	E2	E2	E2
					040 HFE2	055 HFE2	075 HFE2	110 HFE2	150 HFE2	185 HFE2	220 HFE2	300 HFE2		370 HFE2	450 HFE2	550 HFE2	750 HFE2	900 HFE2	生	불
				02	04	05	07	=	15	=	22	30		37	45	55	75(8	1100 HFE2	1320 HFE2
Enclosure																		IP 00		
	Maximum applicable motor (4p.kW) (CT)				4	5.5	7.5	11	15	18.	5 22	30)	37	45	55	75	90	110	132
	Rated input voltage				1.5 2.2 4 5.5 7.5 11 15 18.5 22 30 37 45 55 75 90 110 132 3 phase (3 wires) 380 - 460 V (±10%) / 50 Hz, 60 Hz															
Rated output voltage				380 - 480V (according to supply voltage)																
Rated output current [A]				3.8 5.3 8.6 12 16 22 29 37 43 57 70 85 105 135 160 195 230																
Control method											1 .0								.,,,	
Output frequency range				V/f PWM (sine wave weighted) 0.1 - 400Hz																
Frequency ac					of maxi	num frequ	ency. And	loaue: ±	0.2 % (at	25 ± 10	°C) of ma	ximum f	reauen	cv						
Frequency re						nalogue se									0-5 V. O	2 termina	: 12 bit/-	10 - +10 V	/. 11 bit/-	5 -+5V)
V/f character						ed torque									,		,		,	,
	Overload capacity				50 %/0.5		0. 1, 1 10.	0., 545	, oquu	<u>., aajos.</u>	42.0 0	55.1.2 5								
	Acceleration/Deceleration time					curve sele	ection)													
	Braking Regenerative brake			cuit integr		10.10 30.0	,,			BRI	D unit (opt	ion)								
J. a.c.i.g				al resistor							- o (op.	,								
		Performs at start or under set frequency at deceleration or external request (braking force, time, operate frequency)																		
Input	Frequency set	DC injection brake Standard operator	Set by UP key/DWN key DC 0~+10V, -10 ~+10V (input impedance 10k ohm), 4~20mA (input impedance 100 ohm)																	
	Trequency ser	External signal																		
		External port	RS 485, RS 422																	
	FW-RV RUN-STOP	Standard operator	Run key/Stop key (change FW/RV by function command)																	
		External signal	FWD RUN/STOP (1a, 1b selectable, 3-wire input possible)																	
		External port	RS 485, RS 422																	
		Intelligent input	5 terminals assign (RV, CF1~CF 4, JG, DB, SET, 2CH, FRS, EXT, USP, CS, SFT, AT, RS, STA, STP, F/R, PID, PIDC, UP, DWN, UDC, SF1~SF7, LOAD, NON)																	
	PTC input				One specific terminal															
Output		Intelligent output	2 relay (1a) outputs and 1 relay (1c) output. Select from (RUN, FA1, OL, FA2, AL, OD, FA3, IP, UV)																	
oo.po.		Intelligent monitor output	analogue voltage, analogue current, pulse train output terminal (A-F, D-F (*n pulse line output only), A, P, V)																	
Features		Main Features														Curve Ac	c & Dec.			
			V/f free setting (5 points), Frequency limitation (Upper & Lower), Frequency jump, 16 Multi-speed, 2nd Acc & Dec, Manual torque boost level changeover point, Free run stop, UP DOWN function, PID, Intelligent input & output, 3 wire input																	
			2nd & 3rd function, Energy saving, Analogue meter adjustment, Start frequency set, Carrier frequency,																	
			Electronic thermal free setting, External start & end frequency and ratio, Retry, Restart after instantaneous power failure, Reduced voltage start,																	
					Jogging, F-stop, DC injection braking, Overload restriction, Software lock, Initial setting, External trip, Analogue change over, USP function															
		Control Features	- sag-sag-, - e-, e- mig-sag-sag-sag-sag-sag-sag-sag-sag-sag-sa																	
	Display Monitor				Output frequency, Output current, Converted value of frequency, Trip history, 1/O terminal condition, Input power, Output voltage															
Carrier Frequency Range				0.5 ~ 12 kHz																
Protective Features				OC, OY, UY, OL (electronic thermal), Overheat, Ground fault at start, Instantaneous power failure, USP error, Phase failure detection,																
				Overload detection for BRD resistor, CT error, External trip, Option error, Communication error																
Applicable operator				Digital operator (4 digits LED) <standard> / DRW (6 multi-language: English, German, French, Spanish, Italian, Portuguese) <option></option></standard>																
Condition Ambient/Storage temperature/Humidity			-10 ~ 50°C; > 40°C (urrent derating / -20 ~ 65°C / 25 ~ 90% RH (No condensation)																	
	Vibration			5.9 m/s² (0.6 G) 10 ~ 55 Hz 2.94 m/s² (0.3 G) 10 ~ 55 Hz																
	Installation				Less than 1000m of altitude, no corrosive gas or dust															
Colour	Colour			Blue Grey																
Options	Options				EMC Filter, Input/Output Reactors, DC-Reactors, Braking Choppers (≥18.5 kW), Braking Resistors, Communication Cables, Sine Wave Filter,															
						bus, LonW														

Dimensions

Тур	е		L300P- 015 HFE2	L300P- 022 HFE2	L300P- 040 HFE2	L300P- 055 HFE2	L300P- 075 HFE2	L300P- 110 HFE2	L300P- 150 HFE2	L300P- 185 HFE2	L300P- 220 HFE2	L300P- 300 HFE2	L300P- 370 HFE2	L300P- 450 HFE2	L300P- 550 HFE2	L300P- 750 HFE2	L300P- 900 HFE2	L300P- 1100 HFE2	L300P- 1320 HFE2
Wid	łth	mm	150	150	150	150	210	210	210	250	250	250	310	390	390	390	390	390	480
Hei	ght	mm	255	255	255	255	260	260	260	390	390	390	540	550	550	550	700	700	740
Dep	oth	mm	140	140	140	140	170	178.5	178.5	198.5	198.5	198.5	203.5	258.5	258.5	258.5	278.5	278.5	278.5

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