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CN
EN Instruction Sheet

1. Safety precautions

The products in this manual are industrial products and are all open-type housing designs. It is essential to install these products within a control cabinet that is safeguarded against dust, moisture, and accidents such as electric shocks or physical impacts. Additionally, protective measures must be taken to prevent malfunctions or damage caused by improper operation or accidents involving non-maintenance personnel. Failure to do so may lead to serious risks to personnel safety and potential loss of property.

E630

Please refer to the E630 series variable frequency drive (VFD) manual for more detailed information.

2. Model identification

HDv E630 - 4T 037 B S - ***

	Product name		* Power class*		Braking component
HDv	Hechuan VFD	0.7	750W	(N/A)	Without brake unit
		1.5	1.5kW	B	With brake unit
	Product series				
E630	E630 E630 series	2.2	2.2kW		
	Product set			STO	STO Function
2S	Single phase 220V~240V	3.7	3.7kW	(N/A)	STO
4T	Three-phase 380V~480V	5.5	5.5kW		Without STO function
		7.5	7.5kW	S	STO With STO function
		011	11kW		
		015	15kW		
		018	18kW		
		022	22kW		
		037	37kW		
					
		400	400kW		
				/ software/firmware code	Customized
				0~9/A-Z/ (N/A)	
				X	

* >160kW

Note: The planning for power greater than 160 kW is in progress.

3. General electrical and environmental specifications

General electrical specifications						
Model	(Power capacity)	Input current		(Output current)	Compatible motor	VFD cooling air flow
	kVA	A		A	kW	cfm
Single-Phase power supply 200V AC ~ 240V AC -15% ~ +10% ; 50/60Hz±5% 47Hz~ 63Hz						
HDV-E630-2S0.4*	1.4	5.4		2.3	0.4	10
HDV-E630-2S0.7*	2.2	8.2		4	0.75	
HDV-E630-2S1.5*	3.7	14		7	1.5	
HDV-E630-2S2.2*	6	23		9.6	2.2	26
HDV-E630-2S4.0*	8.9	14.6		13	4	
Three-Phase power supply 380V AC ~ 480V AC -15% ~ +10% ; 50/60Hz±5% 47Hz~ 63Hz						
HDv-E630-4T0.7*	1.5	3.4		2.1	0.75	10
HDv-E630-4T1.5*	3	5		3.8	1.5	
HDv-E630-4T2.2*	4	5.8		5.1	2.2	
HDv-E630-4T3.7*	5.9	10.5		9	3.7	26
HDv-E630-4T5.5*	8.9	14.6		13	5.5	
HDv-E630-4T7.5*	11	20.5		17	7.5	
HDv-E630-4T11	17	26		25	11	52
HDv-E630-4T15	21	35		32	15	
HDv-E630-4T18	24	38.5		37	18.5	130
HDv-E630-4T22	30	46.5		45	22	
HDv-E630-4T30	40	62		60	30	
HDv-E630-4T37	57	76		75	37	157
HDv-E630-4T45	69	92		91	45	
HDv-E630-4T55	85	113		112	55	200
HDv-E630-4T75	114	157		150	75	
HDv-E630-4T90	134	180		176	90	360
HDv-E630-4T110	160	214		210	110	
HDv-E630-4T132	192	256		253	132	630
HDv-E630-4T160	231	307		304	160	

*Note: The product is under research and development.

3.2 Environmental requirements			
	Item		Specifications
	Altitude	≤1000m 1000~3000m 2%/100m	Altitude ≤ 1000m (For altitudes ranging from 1000 to 3000 meters, a 2% derating is required for every 100 meters.)
	Operating environment		Installation within a control cabinet, open-type and indoor use

4.6	4 Main circuit intake race, cable connecting and disconnecting 4		
CN	①拧松螺丝 Loosen the screw ③拧紧螺丝 Tighten the screw ②插入U型端子 Insert the U-shaped terminal 		

6. Indicator and LED panel description

(Screen printing) (Indicator meaning)		(Color)	Status	Description
RUN	(Power supply indicator)	(Red)		Bus in powered-o f state
				Bus in powered-up state
				

al and wiring description

face description		
kW	37~45kW	55~110kW

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IO	IO wiring				
Type	Digital input wiring		High-speed input wiring		
	(Internal power supply wiring)	(External power supply wiring)	(Internal power supply wiring)	(External power supply wiring)	
(NPN Input)	短路片或导 (PNP Input)				

