⚠ 1. Safety precautions

/

personnel. Failure to do so may lead to serious risks to personnel safety and potential loss of prope r y.

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 - ***

3 6

	Product name
HDv	Hechuan VFD

	Product series	
E630	E630	E630 series

	~ t serietl ɑ
	Three-phase 380V~480V

	* Power class*
0.7	750W
	1.5kW
	2.2kW
3.7	3.7kW
	5.5kW
	Single phase 7.5kW 220V~240V
011	11kW
015	15kW
018	18kW
022	22kW
037	37kW
400	400kW

	Braking component
(N/A)	Without brake unit
	With brake unit

	STO STO Function
(N/A)	STO Without STO function
	STO With STO function

	/ Customized software/firmware code
	0~9/A~Z/ (N/A)

* >160kW

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

3. General electrical and environmental specifications

3.1 General electrical speci f cations

Model	(Power capacity)	Input current	(Output current)	Compatible motor	VFD cooling air f ow
	kVA	A	A	kW	cfm
Single-Phase power supply 200V AC ~ 240V AC -15% ~ +10% ; 50/60Hz±5% 47Hz~ 63Hz					
HDV-E630-2S0.4*			2.3	0.4	10
HDV-E630-2S0.7*		8.2		0.75	
HDV-E630-2S1.5*	3.7				
HDV-E630-2S2.2*	6	23	9.6		26
HDV-E630-2S4.0*	8.9	14.6	13		
Three-Phase power supply 380V AC ~ 480V AC -15% ~ +10% ; 50/60Hz±5% 47Hz~ 63Hz					
HDv-E630-4T0.7*		3.4		0.75	10
HDv-E630-4T1.5*	3		3.8		
HDv-E630-4T2.2*		5.8			
HDv-E630-4T3.7*	5.9	10.5	9	3.7	26
HDv-E630-4T5.5*	8.9	14.6	13		
HDv-E630-4T7.5*		20.5			
HDv-E630-4T11		26			
HDv-E630-4T15		35	32		
HDv-E630-4T18		38.5	37	18.5	130
HDv-E630-4T22	30	46.5			
HDv-E630-4T30	40	62	60	30	
HDv-E630-4T37		76		37	
HDv-E630-4T45	69	92	91		
HDv-E630-4T55	85	113			200
HDv-E630-4T75			150		
HDv-E630-4T90	134	180	176	90	360
HDv-E630-4T110	160		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		Specif cations
		≤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		

(Screen printing)	(Indicator meaning)	(Color)		Status	Description
RUN	(Power supply indicator)	(Red)		Not lit	Bus in powered-of state
				Lit	

Main circuit interface description		
11~30kW	37~45kW	55~110kW

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)	短路片或导线			