⚠ Safety precautions

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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 prope r y.

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

Model identification

S

1 2 3 4 5 6 7

1	Product name
HDv	Hechuan VFD

2	Product series	
E630	E630	E630 series

3	s
2S	Single phase 220V~240V
4T	Three-phase 380V~480V

4	* Power class*
0.7	750W
1.5	1.5kW
2.2	2.2kW
3.7	3.7kW
5.5	5.5kW
7.5	7.5kW
011	11kW
015	15kW
018	18kW
022	22kW
037	37kW
....	....
400	400kW

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

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

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

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

General electrical and environmental specifications

General electrical specifications					
Model	(Power capacity)	Input current	(Output current)	Compatible motor	VFD cooling air fow
	kVA	A	A		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	

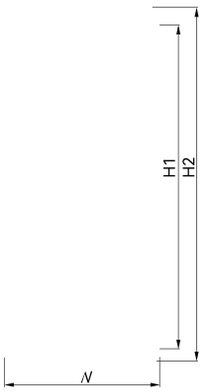
*

*Note: The product is under research and development.

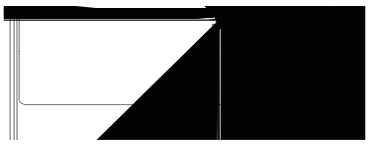
Environmental requirements			
	Item		Specifcations
	Altitude	≤1000m 1000~3000m 2%/100m	Altitude ≤ 1000m (For altitudes ranging from 1000 to 3000 meters, a 2% derating is required for every 100 meters.)
	Operating environment		Installation within a control cabinet, open-type and indoor use

4 Main circuit inte r ace, cable connecting and disconnecting 4		
CN		

Power 90~110kW



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

Main circuit interface description			
11~30kW	37~45kW	55~110kWST CAN	ST CAN interface des
			

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			