TECORP Drive

Product Specifiction

C1000 Mini Compact Vector Control Drive

0.4kW-2.2 kW Single/Three Phase 220V/400V

Feature

- Compact small size design, flexible for installation.
- Output pure sin wave to prevent interference.
- 150% Overload ability.

Function

- Two control mode optional of V/F and Sensorless Vector Control.
- Can work with motor perfectly by the auto-tuning function.
- With PID coordinator to achieve complete auto- operation.
- Slip compensation function allow motor to run smoothly.
- In-built auto torque compensation function.
- Auto fault reset function allows the drive to continuous running after tripping.

Application

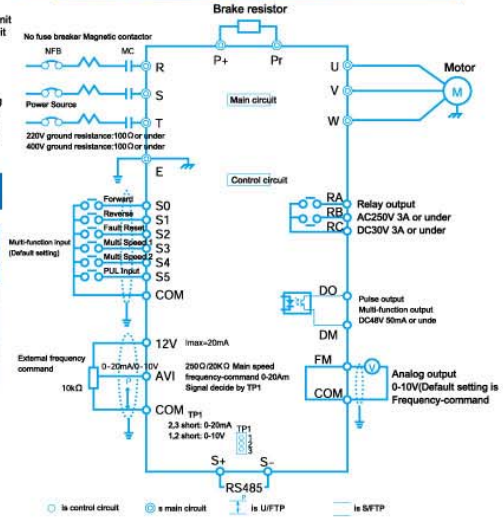
- Conveyor and Auto Warehousing System
- General Machine Tool
- CNC Machine
- Cabling Equipment
- Textiles

Model Code Description

HC2 02D2 C 23 A □

- HC2: TECORP Drive
- 02D2: Capacity 02D2:2.2KW
- C: Series C:C1000
- 23: Voltage Rating 21-1PH 220V, 23- 3PH 220V, 43- 3PH 400V
- A: Region A: Local, F: Overseas
- □: CDBR Blank : No brake unit, B:Built-in brake unit

C1000 Wiring Diagram



Dimension

Voltage	Motor Suitable (KW)	Intall Dimension (mm)			Outline Dimension (mm)		
		W	H	D	W1	H1	Φ
220V 1 ϕ	0.4~1.5KW	86	143	122	73	130	4
220V 3 ϕ (without brake)	0.4~1.5KW	86	143	122	73	130	4
220V 3 ϕ	0.4~2.2KW	101	152	130	89	140	5
440V 3 ϕ	0.4~2.2KW	101	152	130	89	140	5

Items		C1000			
Model		220V HC2□□□□C23A/21A			
		00D4	0D75	01D5	02D2
Motor Suitable		0.5	1	2	3
Output	KVA	1.0	1.9	3.0	4.0
	Rated Output Current A	2.4	4.5	7.0	9.5
	Maximun Output Voltage	Three Phase 200/208/220V(by input voltage)			
Rated Input Voltage and Frequency		Single/Three phase 200/208/200V 50Hz Single/Three phase 200/208/220V/230V 60Hz		Three phase 200/208/200V 50Hz Three phase 200/208/220V/230V 60Hz	
Model		380 to 460V HC2□□□□C43A			
		00D4	0D75	01D5	02D2
Motor Suitable		0.5	1	2	3
Output	KVA	1.1	2.3	3.7	5.5
	Rated Output Current A	1.2	2.5	4.0	6.0
	Maximun Output Voltage	Three phase 380/400/415/440/460 V(by input voltage)			
Rated Input Voltage / Frequency		380V-480V 50/60Hz			
Input	Voltage Tolerance	- 15%~ +10%			
	Frequency Tolerance	±5%			
Technical	Control Mode	V/F, Sensorless Vector Control			
	Frequency Rage	0.1 ~ 600Hz			
	Frequency Accuracy (Temperature range)	Digital : 0.1%(-10~+40℃), Analog : 0.1%(25・・10℃)			
	Frequency Setting Ratio	Digital Panel : 0.1Hz , Analog Signal : 0.06Hz / 60Hz			
	Frequency Output Ratio	0.1Hz (1/30,000)			
Protection	Motor Protection	Electronic Relay Protectyion			
	Over Current	Stop running when over 200% rate current			
	Overload Ability	150%, 60 secs			
	Over Voltage	220V: Over DC 410V ; 400V: Over DC 800V			
	Low Voltage	220V: Under DC 180V ; 400V: Under DC 350V			
	Instant Power-off	Full-load running: power-off within 15ms power-off; Re-start running: power restore within 2.0s			
	Overheat	Protect by thermistor			
	Stall Protection	Protection on acceleration / deceleration and running			
Function	Input	Multi-speed, Jog, Two/Three Wiring, Acc./Dec. forbidden , External fault ,RESET,Speed Chasing			
	Output	Running ,Zero Speed ,Fault,PLC operation completed, Frequency detection			
	Panel Display	Output frequency , Frequency command , DC voltage , Output voltage, Output current , Running speed, Output kW, Output torque ,PID setting value, PID feedback value, Input terminal status, Output terminal status, Analog input FIV, Analog input FIC, Present speed of multi-speed, Torque setting value			
Environment	Install Locations	Indoor (No causticity gass, dust, and oil gas)			
	Temperature	-10~+40℃ (On-wall installation), -10~+50℃ (Install in panel)			
	Storage Temperature	-20 ~ +60℃			
	Humidity	Below 90%RH(without condensation)			
	Vibration	Under frequency 20Hz : within 9.8m/S , 20~50Hz : within 2m/S			

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