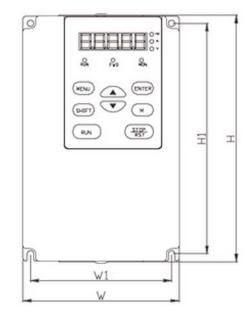
FV100-2T Series

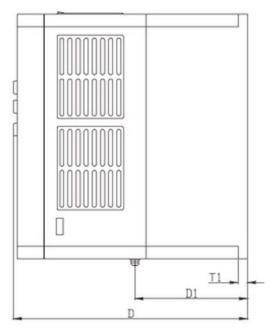


- Input Voltage Range of 240VAC
- Power up to 30 HP
- Methods of Control: V/F Control, Vector Control
- Overcurrent, Overvoltage, Undervoltage, Overheat, Overload and Missing Phase Protection
- Sleep/wake up funtion



The FV100-2T Series is a rugged line of AC Variable Frequency Drives for OEM and Industrial applications, combining high performance and cost efficiency into one powerful package. Available with an input voltage of 240VAC and capable of powering AC motors from 0.50 to 30HP, these VFDs are great for normal duty and soft-start operation. These drives provide energy savings and increased efficiency, making them ideal for fan, pump, and HVAC applications. They are equipped with a number of features such as momentary power loss restarts, auto-acceleration/deceleration, and sensorless vector control. These features make the VFDs compatible with most AC motors and allow for flexibility within an application.





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FEATURES



Item	W	W1	Н	H1	D	D1	T1
FV100-2T-0004G	115	106	185	176	171	65	7
FV100-2T-0007G	115	106	185	176	171	65	7
FV100-2T-0015G	115	106	185	176	171	65	7
FV100-2T-0022G	115	106	185	176	171	65	7
FV100-2T-0037G	115	106	185	176	171	65	7
FV100-2T-0055G	165	110	274	264	193	-	2
FV100-2T-0075G	165	110	274	264	193	-	2
FV100-2T-0110G	194	120	324	312	197	-	2
FV100-2T-0150G	297	200	451	433	224	89	3
FV100-2T-0185G	297	200	451	433	224	89	3
FV100-2T-0220G	297	200	451	433	224	89	3

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ITEM #	Input Voltage	Max Power (KW)	Max Power (HP)	Rated Current (A)	Overload Tolerance for One Minute (A)	Installation Type
FV100-2T-0004G	3-Phase, 240V	0.4	0.5	2.5	2	Cabinet or Enclosure
FV100-2T-0007G	3-Phase, 240V	0.7	1	4.0	3	Cabinet or Enclosure
FV100-2T-0015G	3-Phase, 240V	1.5	2	7.5	6	Cabinet or Enclosure
FV100-2T-0022G	3-Phase, 240V	2.2	3	10	11	Cabinet or Enclosure
FV100-2T-0037G	3-Phase, 240V	3.7	5	16	15	Cabinet or Enclosure
FV100-2T-0055G	3-Phase, 240V	5.5	7.5	24.5	36	Cabinet or Enclosure
FV100-2T-0075G	3-Phase, 240V	7.5	10	30	45	Cabinet or Enclosure
FV100-2T-0110G	3-Phase, 240V	11	15	42	63	Cabinet or Enclosure
FV100-2T-0150G	3-Phase, 240V	15	20	55	82	Cabinet or Enclosure
FV100-2T-0185G	3-Phase, 240V	18.5	25	70	105	Cabinet or Enclosure
FV100-2T-0220G	3-Phase, 240V	22	30	80	120	Cabinet or Enclosure

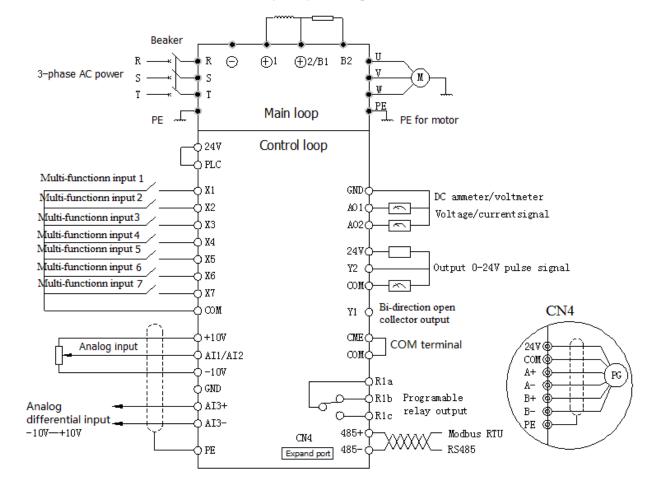
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FV100-2T Series



MODEL	FV100-2T										
	0004	0007	0015	0022	0037	0055	0075	0110	0150	0185	0220
The Power of Suitable Motor (KW)	0.4	0.7	1.5	2.2	3.7	5.5	7.5	11	15	18.5	22
Voltage (V)	3-Phase, 0~ Rated Input Voltage										
Rated Output Current (A)	2.5	4.0	7.5	10	16	24.5	30	42	55	70	80
Overload Capacity	150% 1 Minute; 180% 10 Seconds; 200% 0.5 Second; 10 Minutes Interval (Inverse Time Limit Speciality)										
Rated Voltage/Frequency	2T: 3 Phase, 240VAC; 50Hz/60Hz										
Allowable Voltage Range	180-260VAC, Voltage Unbalanceness:<3%; Frequency: ± 5%										
Rated Input Current (A)	3.2	6.3	9	15	22	30	35	43	56	71	81
Brake Unit	Built-In										
Protection Class	IP20										
Cooling Method	Cooling by Fan										

(External, optional part) Braking resistor



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	INPUT					
Rated Voltage/Frequency	2T: 3-Phase, 240V; 50Hz/60Hz					
Allowable Voltage Range	2T: 180-260VAC; Voltage Unbalanceness:<3%; Frequency: ±5%					
	OUTPUT					
Voltage	0~Rated Input Voltage					
Frequency	0Hz-300Hz (Customized 0Hz-3000Hz Custom)					
Overload Capacity	G Type: 150% Rated Current for 1 Minute, 180% Rated Current for 10 Seconds					
	MAIN CONTROL CHARACTERISTICS					
Control Method	Vector Control Without PG, Vector Control with PG; V/F Control					
Starting Torque	0.5Hz: 150% Rated Torque (Vector Control Without PG), 0Hz 200% Rated Torque (Vector control with PG)					
Frequency Accuracy	Digital Setting: Max. Frequency x ±0.01%; Analog Setting: Max. Frequency x ±0.2%					
Frequency Resolution	Digital Setting: 0.01Hz; Analog Setting: Max. Frequency x 0.05%					
Torque Boost	Manual Torque Boost: 0%-30.0%					
V/F Pattern	4 Patterns: 1 V/F Curve Mode Set by User and 3 Kinds of Torque-Derating Modes (2.0 Power, 1.7 Power, 1.2 Power)					
Acceleration/Deceleration Curve	Linear Acceleration/Deceleration. Four Kinds of Acceleration/Deceleration Time					
Auto Current Limit	Limit Current During Operation Automatically to Prevent Frequent Overcurrent Trip					
	CUSTOMIZED FUNCTION					
Operation Command	Keypad Setting, Terminal Setting, Communication Setting					
Frequency Command Setting	Digital Setting, Analog Voltage Setting, Analog Current Setting, Pulse Setting					
Auxiliary Frequency Setting	Implement Flexible Auxiliary Frequency Trim and Frequency Synthesis					
Analog Output	2 Channels Analog Output (0/4~20mA or 0/2~10V)					
Protection Function	Open Phase Protection (Optional), Overcurrent Protection, Overvoltage Protection, Undervoltage Protection, Overheat Protection, Overload Protection.					
	ENVIRONMENT					
Altitude	Derated Above 1000m, The Rated Output Current Shall be Decreased by 10% for Every Rise of 1000m					
Ambient Temperature	-10°C~ + 40°C (Derated at 40°C~50°C)					
Humity	5%~95%RH, Non-Condensing					
Vibration	Less Than 5.9m/s ² (0.6g)					
Storage Temperature	-40°C~ + 70°C					

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