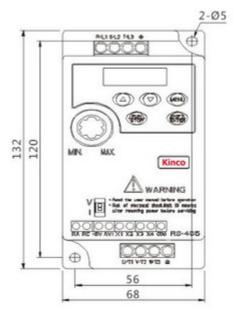
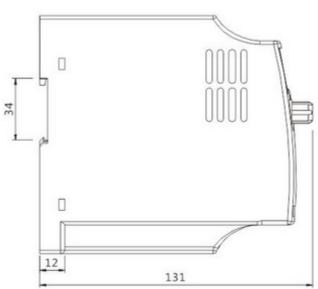


- Control Mode: V/F control;
   Open-loop vector control
- Auto torque boost and auto slip compensation function
- Built-in PID control
- Modbus Communication (RS485 baud rate up to 4800-19200bps)
- · Sleep/wake up function



The CV20-1S 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 in input voltages of 120V and output voltages of 220V, which are capable of powering AC motors from 0.25 to 1Hp, 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 different features such as momentary power loss restarts, flying starts, auto-acceleration/deceleration, and sensorless vector control. These features make the VFDs compatible with most AC motors and allow for flexibility within an application.



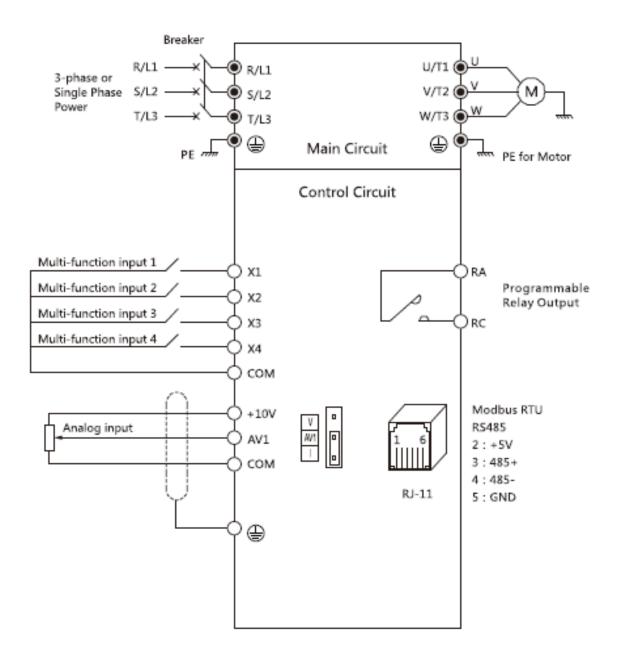


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MODEL	CV20-1S					
	0002	0004	0007			
The Power of Suitable Motor (KW)	0.2	0.4	0.75			
OUTPUT						
Input Voltage (V)	1S: Single Phase, 100-120VAC; 50Hz/60Hz					
Output Voltage (V)	3 Phase, Twice the Input Voltage					
Rated Output Current (A)	2.5	4.0	7.5			
Overload Capacity	150% Rated Current for 1 Minute, 180% Rated Current for 10 Seconds					
INPUT						
Rated Voltage/Frequency	Single Phase, 200V~240V; 50Hz/60Hz					
Allowable Voltage Range	1S: 90-130V; Voltage Unbalancedness:<3%; Frequency: 5%					
Rated Input Current (A)	6	9	18			
Brake Unit	Built-In					
Protection Class	IP20					
Cooling Method	Air Cooling, with Fan Control					
Installation Type	Wall Mount					

SERIES#	Input Voltage Range	Output Voltage Range	Max Power (hp)	Rated Current (A)	Overload Tolerance for One Minute (A)	Installation Type
CV20-1S-0002G	Single-Phase, 100-120V	Three-Phase, 200-240V	0.25	2.5	3.75	Wall Mount
CV20-1S-0004G	Single-Phase, 100-120V	Three-Phase, 200-240V	0.50	4.0	6	Wall Mount
CV20-1S-0007G	Single-Phase, 100-120V	Three-Phase, 200-240V	1	7.5	11.25	Wall Mount







Main Control Characteristics					
Control Method	V/F Control				
Starting Torque	1Hz: 150% Rated Torque				
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 Order, 1.7 Order, 1.2 Order)				
Acceleration/Deceleration Curve	Linear Acceleration/Deceleration. Four Kinds of Acceleration/Deceleration Time				
Auto Current Limit	Limit Current During Operation Automatically to Prevent Frequent Over Current Trip				
Operation Function					
Operation Command	Operation Panel, Terminal, Communication Control, Support Switching Between These Controls Channels				
Frequency Setting	Digital Setting, Analog Voltage Setting, Analog Current Setting				
Auxiliary Frequency Setting	Support Main and Auxilary Setting				
	Operation Panel				
LED Display	Display Setting Frequency, Output Frequency, Output Voltage, Output Current.  About 20 Parameters				
Key Lock and Function Selection	Lock Part of Keys or All the Keys. Define the Function of Part of Keys				
Protection Function	Open Phase Protection (Optional), Overcurrent Protection, Overvoltage Protection, Undervoltage Protection, Overheat Protection, Overload Protection, and So On				
Environment					
Operating Site	Indoor, Installed in the Environment Free from Direct Sunlight, Dust, Corrosive Gas, Combustible Gas, Oil Mist , Steam and Drip				
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)				
Humility	5%~95%RH, Non-Condensing				
Vibration	Less Than 5.9m/s² (0.6g)				
Storage Temperature	-40°C~ + 70°C				
Structure					
Protection Class	IP20				
Cooling Method	Air Cooling, With Fan Control				