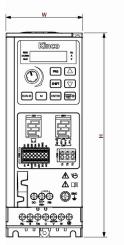
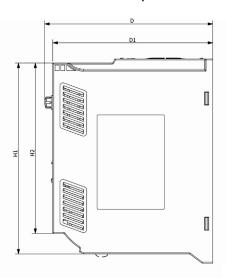


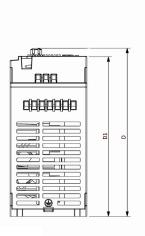
- Slim 65mm Body
- Single-Phase 220V/0.4-2.2kW or Three-Phase 440V/0.75-5.5kW
- Input Output Terminals Used Without Tightening Screws
- European Crimping Terminal
- 4 Digital Inputs & 1 Digital Output
- 1 Analog Input & 1 Analog Output
- 1 Relay Output

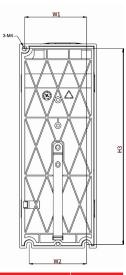


The KC100 series is a high performance vector inverter that has a narrow rectangle design, crimping terminal and independent air duct design. The air duct design has benefits such as convenient installation, easy wiring, tremendous heat dissipation, top of the line performance and comprehensive protection. The KC100 series is a complete system, process oriented and strict in the development process of software, hardware, and structure, with attention to detail and the user experience. These VFD's can be used in sewage treatment, manufacturing production lines, fan ventilation systems, logistics and transportation, air conditioner cooling systems, wood working machinery, and various automated production equipment.









<b>Jnits</b>	are	in	mm

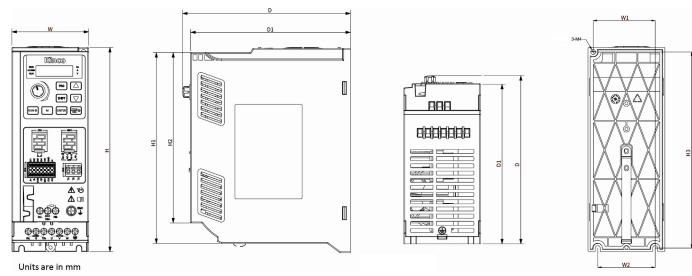
	Power	Dimension (mm)					Mounting Hole Location (mm)			Hole Diamater	Weight				
Part #	(kW)	W	н	H1	H2	D	D1	W1	W2	Н3	of Installation (mm)	(kg)			
KC100-2S-0R40G	0.4											0.85			
KC100-2S-0R75G	0.75	65	65 177	177	177	5 177	168.5	145	148	139	50	45	168	2 M4	0.65
KC100-4T-0R75G	0.75	65		7 100.5	145	140	139	50	45	100	3-M4	0.00			
KC100-4T-01R5G	1.5											0.90			

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## KC100 Series







	Power		D	imensio	n (mn	า)		Mounting Hole Location (mm)		Hole Diamater	Weight			
Part #	(kW)	W	н	H1	H2	D	D1	W1	W2	Н3	of Installation (mm)	(kg)		
KC100-2S-01R5G	1.5											1.20		
KC100-2S-02R2G	2.2											1.20		
KC100-4T-02R2G	2.2	75	199	190	166	163	156	60.5	56	191	3-M4			
KC100-4T-03R7G	3.7													1.28
KC100-4T-05R5G	5.5													

SERIES #	Input Voltage Range	Max Power (kW)	Max Power (HP)	Rated Current (A)	Installation Type
KC100-2S-0R40G	Single-Phase, 200-240VAC	0.4	0.5	2.5	Wall-Mounted
KC100-2S-0R75G	Single-Phase, 200-240VAC	0.75	1	4	Wall-Mounted
KC100-2S-01R5G	Single-Phase, 200-240VAC	1.5	2	7.5	Wall-Mounted
KC100-2S-02R2G	Single-Phase, 200-240VAC	2.2	3	10	Wall-Mounted
KC100-4T-0R75G	Three-Phase, 380-480VAC	0.75	1	2.3	Wall-Mounted
KC100-4T-01R5G	Three-Phase, 380-480VAC	1.5	2	3.7	Wall-Mounted
KC100-4T-02R2G	Three-Phase, 380-480VAC	2.2	3	5.5	Wall-Mounted
KC100-4T-03R7G	Three-Phase, 380-480VAC	3.7	5	8.8	Wall-Mounted
KC100-4T-05R5G	Three-Phase, 380-480VAC	5.5	7	13	Wall-Mounted

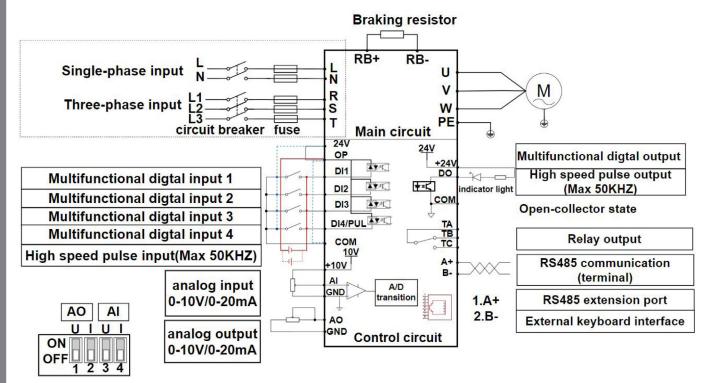
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MODEL	KC100-2S							
	0R40G	0R75G	01R5G	02R2G				
The Power of Suitable Motor (kW)	0.4	0.75	1.5	2.2				
	INPUT							
Rated Voltage(V) / Rated Frequency	1-Phase 200V ~ 240V 50Hz/60Hz							
Rated Input Current (A)	5.3	8.2	14.0	23.0				
Fluctuation Range	Voltage: -15% ~ +10%, Voltage Imbalance Rate: <3%, Frequency: ±5%							
Power Supply Capacity (kVA)	1.0	3	4					
	OUTF	PUT						
Output Current (A)	2.5	4.0	7.5	10				
Output Voltage	Output of Rated Condition: 3-Phase, 0 ~ Input Voltage							
Range of Output Frequency	0 ~ 600Hz							
Overload Capacity	60s at 150% the Rated Current, 3s at 180% Rated Current							
	COOLING METHOD							
Forced Air Cooling								

MODEL	KC100-4T								
	0R75G	01R5G	02R2G	03R7G	05R5G				
The Power of Suitable Motor (kW)	0.75	1.5	2.2	3.7	5.5				
	INPUT								
Rated Voltage(V) / Rated Frequency		3-Phase 380V ~ 480V 50Hz/60Hz							
Rated Input Current (A)	3.4	5.0	5.8	10.5	14.5				
Fluctuation Range	Voltage: -15% ~ +10%, Voltage Imbalance Rate: <3%, Frequency: ±5%								
Power Supply Capacity (kVA)	1.5 3.0 4.0 5.9				8.5				
	C	UTPUT							
Output Current (A)	2.3	3.7	5.5	8.8	13.0				
Output Voltage	Output of Rated Condition: 3-Phase, 0 ~ Input Voltage								
Range of Output Frequency	0 ~ 600Hz								
Overload Capacity	60s at 150% the Rated Current, 3s at 180% Rated Current								
	COOLING METHOD								
Forced Air Cooling									

The power wiring diagrams of the KC100 Three-Phase and Single-Phase models are displayed in dotted lines. Connect cables according to the actual models.



WIRING DIAGRAM



	MAIN CONTROL CHARACTERISTICS					
Control Method	V/F Control, Sensorless Vector Control (SVC), Voltage Frequency					
O	Separation Control					
Starting Torque	0.5Hz: 150% Rated Torque (Vector Control Without 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 0.1%					
Torque Boost	Automatic Boost: 0.0%; Manual Torque Boost: 0.1%~30.0%					
V/F Pattern (Curve)	4 Patterns: Multi-Point V/F Curve, Reduced Torque Characteristic Curve, Half V/F Seperation, Complete V/F Separation					
Acceleration/Deceleration Curve	Straight-Line or S-Curve Acceleration/Deceleration; Four Groups of Acceleration/ Deceleration Time.					
	CUSTOMIZED FUNCTION					
Operation Command	Keypad Setting, Terminal Setting, Communication Setting					
Frequency Command	Digital Setting, Analog Voltage Setting, Analog Current Setting					
Auxiliary Frequency Setting	Implement Flexible Auxiliary Frequency Trim and Frequency Synthesis					
Innut Torminala	4 Digital Input Terminals, 1 of which Supports High-Speed Pulse Input up to 50KHz					
Input Terminals	1 Analog Input Terminal, Support 0 ~ 10V / 0 ~ 20mA Input					
	1 Relay Output Terminal, Including Normally Closed and Normally Open Sub					
	1 Analog Output Terminal, Support 0 ~ 10V Voltage Output					
Output Terminals	1 Digital Output Terminal, 0.1kHz~50kHz Pulse Square Wave Signal Output, Capable of Outputting Physical Quantities Such as Set Frequency and Output Frequency					
	1 Way 485 Communication Terminal					
Protection Function	Overcurrent Protection, Overvoltage Protection, Undervoltage Protection, Overheat Protection, Overload Protection, Missing Phase Protection (Selectable) and So On					
	ENVIRONMENT					
Altitude	In areas with an altitude exceeding 1000m, due to the poor heat dissipation effect of the frequency converter due to the thin air, it needs to be derated for use, with a 1% derating for every 100m increase.					
Ambient Temperature	-10°C ~ +50°C					
Humidity	5%~95%RH, Non-Condensing					
Vibration	Less Than 5.9m/s² (0.6g)					
Storage Temperature	-20°C ~ +60°C					
Overvoltage Class	OVCIII					
Pollution Levels	PD2					
Level of Protection	IP20					
Installation Method	Wall-Mounted					

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