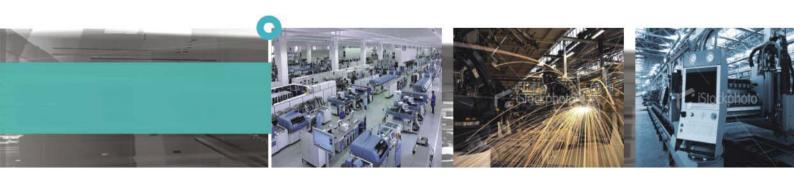
SS2 Series Compact Design Vector Control AC Drive

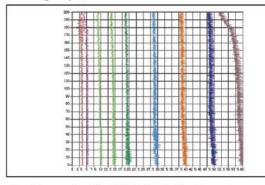




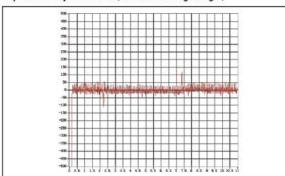
Product Features

General flux vector control technique

- · General flux vector control technique
- A 32-bit RISC CPU for high-speed computation.
 Starting torque, 150%3Hz



Speed accuracy is within 1% (0%~100% loading changes)

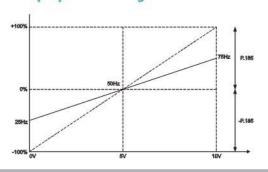


- · Motor parameter auto-tuning function
- Stalling protection level reaches to 250%.

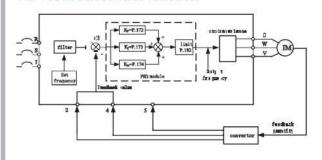
High performance and function

- The maximum output frequency up to 650Hz
- · Soft-PWM functions for eliminating motor noises and preventing the temperature of AC drive module too high.
- · Built-in energy-saving control function, the AC drive will control the output voltage automatically in order to reduce the output power losses when the AC drive is running.
- · Cooling fan operation method is selectable.

Built-in proportion linkage function

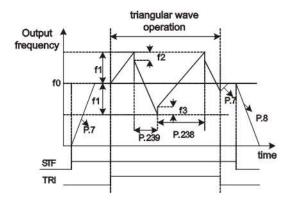


PID feedback control function



Triangular wave function (traverse)

· This is suitable for operations that need traversing and winding movements such as textile operations.



f0: Setting value of frequency

f1: Generated amplitude for setting frequency (f0×P.235)

f2: Compensation from acceleration to deceleration (f1×P.236)

f3: Compensation from deceleration to acceleration (f1×P.237)

Built-in frequency and parameter setting knob

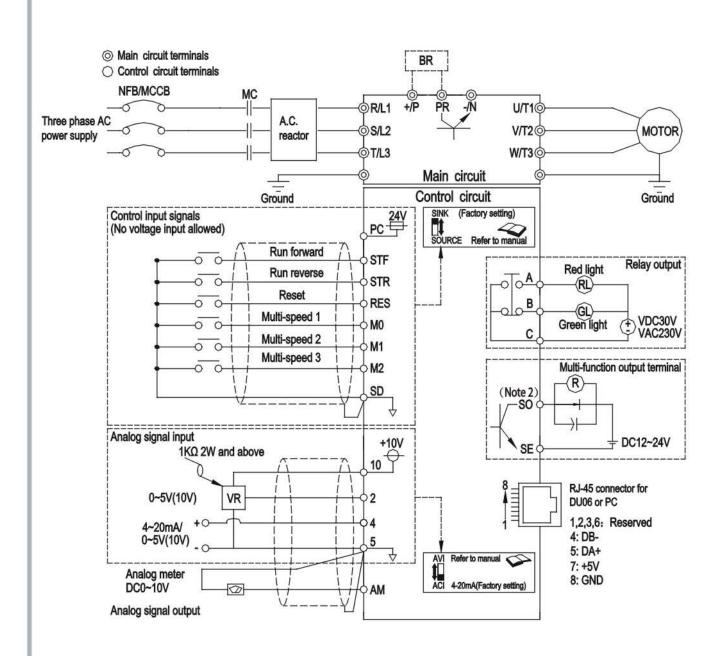


Electric Specifications

	Model SS2-021-□□	□к	0.4K		0.75K	1.5	K	2.2K
HP			0.5		1	2	N.	3
Applicable Motor Capacity kW		0.4		0.75	1.5		2.2	
	Rated output capacity kVA (Note)		0.95		1.5	2.5		4.2
0	Rated output current A (Note)		2.7		4.5	8	5	11
Output	Overload current rating		150% 60 seconds; 200% 1 second (inverse time characteristics)					
	Maximum output voltage		3 Phase 200~240V AC					
	Rated power voltage		Single phase 200~240V 50Hz / 60Hz					
Power Supply	Power voltage permissible fluctuation		STREET ST					
			Single phase 170~264V 50Hz / 60Hz					
	Power frequency permissible fluctuation		±5%					0.20
	Power source capacity kVA		1505		2.5			6.4
Cooling Method			Self-cooling		7.2	Forced air cooling		
Weight (kg)			1.1	.1 1.2		1.6 1.7		1.7
220	V Series Three-Phase							
Model SS2-023-□□□K			0.4	0.75		1.5 2.2		3.7
en en e		HP	0.5	1		2	3	5
Applicable Motor Capacity		kW	0.4	0.75		1.5	2.2	3.7
Output	Rated output capacity kVA	(Note)	1.2	2		3.2	4.2	6.7
	Rated output current A (Note)		3	5		8	11	17.5
	Overload current rating		150% 60 seconds; 200% 1 second (inverse time characteristics)					
	Maximum output voltage		3 Phase 200~240V AC					
Power Supply	Rated power voltage		3 Phase 200~240V 50Hz / 60Hz					
	Power voltage permissible fluctuation		3 Phase 170~264V 50Hz / 60Hz					
	Power frequency permissible fluctuation		±5%					
	Power source capacity kVA		1.5 2.5		4.5		6.4	10
The property of the second sec		/,700	/,300 (1092)				190	
Cooling Method			Self-cooling	-200		Forced air cooling		
Weight (kg)			1.1	1.2		1.2	1.6	1.7
140	V Series Three-Phase							
Model SS2-043-□□□K		0.4	0.75	1.5	2.2	3.7	5.5	
Applicable Motor Capacity		0.5	1	2	3	5	7.5	
		kW	0.4	0.75	1.5	2.2	3.7	5.5
Output	Rated output capacity kVA	(Note)	1	2	3	4.6	6.9	9.2
	Rated output current A (Note)		1.5	2.6	4.2	6	9	12
	Overload current rating		150% 60 Seconds; 200% 1 Second (inverse time characteristics)					
	(reverse time characteristics)		Three-phase 380~480V					
Powe	Rated power voltage		3 Phase 380~480V 50Hz / 60Hz					
	Power voltage permissible fluctuation		323~528V 50Hz / 60Hz					
7	Power frequency permissible fluctuation		±5%					
er Sup	Construction of the Constr		1			-717		-
Power Suppl			1.5	2.5	45	69	10.4	13.8
	Power source capacity kVA		1.5 Self-cooling	2.5 Self-cooling	4.5	6.9	10.4 air cooling	13.8

Note: The test conditions of rated output current, rated output capacity and inverter power consumption are: the carrier frequency (P.72) is at factory setting value; the inverter output voltage is at 220V/440V; the output frequency is at 60Hz, and the ambient temperature is 50°C.

Wiring Diagram



NOTE

- 1. For the usage of the external thermal relay, please refer to P.80~P.84, P.86 in Chapter 5 (OH) on the manual.
- 2. Make sure not to short circuit the PC and SD.
- 3. In the above figure, dotted line area, please refer to 3.5.7on the manual.
- 4. The SO terminal can select to FM or 10X function, please refer to P.64, P.74.
- 5. For single-phase series inverters, there is no T/L3 terminal, and the corresponding wiring(dotted line) doesn't need to be connected.