

SC3 Series

Compact Vector Control
AC Motor Drive





Electrical Specifications

220V Series single-phase

Frame		A			B	
Model SC3-021-□□□K-□□		0.2	0.4	0.75	1.5	2.2
Output	Rated output capacity (kVA)	0.6	1	1.5	2.5	4.2
	Rated output current (A)	1.8	2.7	4.5	8	11
	Applicable motor capacity (HP)	0.25	0.5	1	2	3
	Applicable motor capacity (kW)	0.2	0.4	0.75	1.5	2.2
	Overload current rating	150% 60seconds 200% 1second (inverse time characteristics)				
	Carrier frequency (kHz)	1~15kHz				
	Maximum output voltage	Three-phase 200-240V				
Power supply	Rated power voltage	Single-phase 200-240V 50Hz / 60Hz				
	Power voltage permissible fluctuation	Single-phase 170-264V 50Hz / 60Hz				
	Power frequency permissible fluctuation	±5%				
	Power source capacity (kVA)	0.75	1.5	2.5	3.5	6.4
Cooling method		Self cooling	Forced air cooling			
Weight (kg)		0.66	0.68	0.73	1.38	1.4

220V Series three-phase

Frame		A			B		
Model SC3-023-□□□K-□□		0.2	0.4	0.75	1.5	2.2	3.7
Output	Rated output capacity (kVA)	0.6	1.2	2	3.2	4.2	6.7
	Rated output current (A)	1.8	3	5	8	11	17.5
	Applicable motor capacity (HP)	0.25	0.5	1	2	3	5
	Applicable motor capacity (kW)	0.2	0.4	0.75	1.5	2.2	3.7
	Overload current rating	150% 60seconds 200% 1second (inverse time characteristics)					
	Carrier frequency (kHz)	1~15kHz					
	Maximum output voltage	Three-phase 200-240V					
Power supply	Rated power voltage	Three-phase 200-240V 50Hz / 60Hz					
	Power voltage permissible fluctuation	Three-phase 170-264V 50Hz / 60Hz					
	Power frequency permissible fluctuation	±5%					
	Power source capacity (kVA)	0.75	1.5	2.5	4.5	6.4	10
Cooling method		Self cooling	Forced air cooling				
Weight (kg)		0.69	0.69	0.70	0.73	1.32	1.4

Electrical Specifications

440V Series three-phase

Frame		A			B		
Model SC3-043 -□□□□ K -□□		0.4	0.75	1.5	2.2	3.7	5.5
Output	Rated output capacity (kVA)	1	2	3	4.6	6.9	9.2
	Rated output current (A)	1.5	2.6	4.2	6	9	12
	Applicable motor capacity (HP)	0.5	1	2	3	5	7.5
	Applicable motor capacity (kW)	0.4	0.75	1.5	2.2	3.7	5.5
	Overload current rating	150% 60seconds 200% 1second (inverse time characteristics)					
	Carrier frequency (kHz)	1~15kHz					
Maximum output voltage		Three-phase 380-480V					
Power supply	Rated power voltage	Three-phase 380-480V 50Hz / 60Hz					
	Power voltage permissible fluctuation	Three-phase 323-528V 50Hz / 60Hz					
	Power frequency permissible fluctuation	±5%					
	Power source capacity (kVA)	1.5	2.5	4.5	6.9	10.4	11.5
Cooling method		Self cooling	Forced air cooling				
Weight (kg)		0.74	0.74	0.81	1.37	1.37	1.42