Standard Model

Specifications

Three-phase 200V series

Item			Specifications										
Input power source			Three-phase 200V										
Туре			FRNC2S-2A, FRNC2S-2U										
(FRN □□□ C2S-2△, △=A, U)													
			0001	0002	0004	0006	0010	0012	0020	0025	0033	0047	0060
Nominal applied motor[kW](A			0.1	0.2	0.4	0.75	1.5	2.2	3.7	5.5	7.5	11	15
Nominal applied motor[HP](=U)			1/8	1/4	1/2	1	2	3	5	7.5	10	15	20
	Rated capacity	/[kVA]	0.30	0.57	1.3	2.0	3.5	4.5	7.2	9.5	12	17	22
sɓu	Rated voltage[V]		Three-phase 200 to 240V (With AVR)										
ratii	Rated current[/	A](*1)	0.8(0.7)	1.5(1.4)	3.5(2.5)	5.5(4.2)	9.2(7.0)	12.0(10.0)	19.1(16.5)	25.0(23.5)	33.0(31.0)	47.0(44.0)	60.0(57.0)
Output	Overload capability		150% of rated current for 1min 150% of rated current for 1min or 200% of rated current for 0.5s (If the rated current is in parenthesis) 150% of rated current for 1min or 200% of rated current for 0.5s										
	Rated frequency[Hz]		50, 60Hz										
	Phases, Voltage, Frequency		Three-phase, 200 to 240V, 50/60Hz										
ings	Voltage/Frequency variations		Voltage: +10 to -15% (Voltage unbalance : 2% or less), Frequency: +5 to -5%										
t rat	Rated current[A]	(with DCR)	0.57	0.93	1.6	3.0	5.7	8.3	14.0	21.1	28.8	42.2	57.6
ndul		(without DCR)	1.1	1.8	3.1	5.3	9.5	13.2	22.2	31.5	42.7	60.7	80.0
	Required power supply capacity[kVA]		0.2	0.3	0.6	1.1	2.0	2.9	4.9	7.4	10	15	20
p	Torque[%]		150 100 50 30 20										
rakir	DC injection braking		Starting frequency: 0.0 to 60.0Hz, Braking time: 0.0 to 30.0s Braking level: 0 to 100%										
ā	Braking transistor		– Built-in										
Applicable safety standards			UL508C, EN 61800-5-1:2007										
Enclosure (IEC 60529)			IP20 (IEC 60529:1989) / UL open type (UL50)										
Cooling method			Natural coo	oling			Fan cooling						
Weight / Mass[kg(lbs)]			0.6(1.3)	0.6(1.3)	0.7(1.5)	0.8(1.8)	1.7(3.7)	1.7(3.7)	2.5(5.5)	3.1(6.8)	3.1(6.8)	4.5(9.8)	4.5(9.8)

*1 The load shall be reduced so that the continuous operating current is the rated current in parenthesis or less if the carrier frequency is set to 3kHz or above or ambient temperature exceeds 40°C (104°F).

Three-phase 400V series

Item		Specifications											
Input power source		Three-phase 400V											
Туре			FRNC2S-4A, FRNC2S-4C										
(FRN □□□ C2S-4△, △=A, C, E, U)		FRNC2S-4E, FRNC2S-4U											
			0002	0004	0005	0007	0011	0013	0018	0024	0030		
Nominal applied motor[kW]			0.4	0.75	1.5	2.2	3.7(△= A, C)	5.5	7.5	11	15		
(△=A , C, E)							4.0(△=E)						
Nominal applied motor[HP](=U)		1/2	1	2	3	5	7.5	10	15	20			
	Rated capacity[kVA] 1.3		1.3	2.3	3.2	4.8	8.0	9.9	13	18	22		
sɓ	Rated voltage[V]		Three-phase 380 to 480V (With AVR)										
ratir	Rated current[A](*1) 1.8		1.8(1.5)	3.1(2.5)	4.3(3.7)	6.3(5.5)	10.5(9.0)	13.0	18.0	24.0	30.0		
Output	Overload capability		150% of rated 150% of rated curr	current for 1 min ent for 1 min or 200%	n of rated current for 0	.5s (If the rated curre	150% of rated current for 1min or 200% of rated current for 0.5s						
	Rated frequency[Hz]		50, 60Hz										
	Phases, Voltage, Frequency		Three-phase, 380 to 480V, 50/60Hz										
ings	Voltage/Frequency variations		Voltage: +10 to -15% (Voltage unbalance : 2% or less), Frequency: +5 to -5%										
it rat	Rated current[A]	(with DCR)	0.85	1.6	3.0	4.4	7.3	10.6	14.4	21.1	28.8		
ndul		(without DCR)	1.7	3.1	5.9	8.2	13.0	17.3	23.2	33.0	43.8		
	Required power sup	oply capacity[kVA]	0.6	1.1	2.0	2.9	4.9	7.4	10	15	20		
þ	Torque[%]		100 50 30 20										
rakir	DC injection braking		Starting frequency: 0.0 to 60.0Hz, Braking time: 0.0 to 30.0s Braking level: 0 to 100%										
ā	Braking transistor		Built-in										
Applicable safety standards			UL508C, EN 61800-5-1:2007										
Enclosure (IEC 60529)			IP20 (IEC 60529:1989) / UL open type (UL50)										
Cooling method			Natural coolin	g	Fan cooling								
Weight / Mass[kg(lbs)]			1.2(2.6)	1.3(2.9)	1.7(3.7)	1.7(3.7)	2.5(5.5)	3.1(6.8)	3.1(6.8)	4.5(9.8)	4.5(9.8)		

*1 The load shall be reduced so that the continuous operating current is the rated current in parenthesis or less if the carrier frequency is set to 3kHz or above or ambient temperature exceeds 40°C (104°F).

Specifications

Single-phase 200V/100V series

Item			Specifications										
Input power source			Single-phase 200V							Single-phase 100V			
Туре			FRNC2S-7A, FRNC2S-7C							FRN C2S-6U			
$(FRN \square \square \square \square C2S- \square \triangle, \triangle = A, C, E, U)$			FRNC2S-7E, FRNC2S-7U										
			0001	0002	0004	0006	0010	0012	0001	0002	0003	0005	
Nominal applied motor[kW]			0.1	0.2	0.4	0.75	1.5	2.2	0.1	0.2	0.4	0.75	
(△ =A, C, E)													
Nominal applied motor[HP](=U)			1/8	1/4	1/2	1	2	3	1/8	1/4	1/2	1	
	Rated capacity[kVA]		0.30	0.57	1.3	2.0	3.5	4.5	0.26	0.53	0.95	1.6	
sɓเ	Rated voltage[V]		Three-phase 200 to 240V (With AVR)										
ratii	Rated current[A](*1)		0.8(0.7)	1.5(1.4)	3.5(2.5)	5.5(4.2)	9.2(7.0)	12.0(10.0)	0.7	1.4	2.5	4.2	
Output	Overload capability		150% of rated current for 1min 150% of rated current for 1min or 200% of rated current for 0.5s (If the rated current is in parenthesis)							150% of rated current for 1min or 200% of rated current for 0.5s			
	Rated frequency[Hz]		50, 60Hz										
	Phases, Voltage, Frequency		Single-phas	e, 200 to 240V	, 50/60Hz	Single-phase 100 to 120V, 50/60Hz							
ings	Voltage/Frequency variations		Voltage: +10 to -10%, Frequency: +5 to -5%										
it rat	Rated current[A]	(with DCR)	1.1	2.0	3.5	6.4	11.6	17.5	2.2	3.8	6.4	12.0	
ndul		(without DCR)	1.8	3.3	5.4	9.7	16.4	24.0	3.6	5.9	9.5	16.0	
	Required power sup	oply capacity[kVA]	0.3	0.4	0.7	1.3	2.4	3.5	0.3	0.5	0.7	1.3	
b	Torque[%]		150 100 50 30 150 100										
rakir	DC injection braking		Starting frequency: 0.0 to 60.0Hz, Braking time: 0.0 to 30.0s, Braking level: 0 to 100%										
ā	Braking transistor		– Built-in						– Built-in				
Арр	licable safety st	andards	UL508C, EN 61800-5-1:2007 UL508C										
Enc	losure (IEC 605	29)	IP20 (IEC 60	0529:1989) / U	IL open type (l								
Cooling method			Natural cool	ing			Fan cooling		Natural cooling				
Weight / Mass[kg(lbs)]			0.6(1.3)	0.6(1.3)	0.7(1.5)	0.9(2)	1.8(4)	2.5(5.5)	0.7(1.5)	0.7(1.5)	0.8(1.8)	1.3(2.9)	

*1 The load shall be reduced so that the continuous operating current is the rated current in parenthesis or less if the carrier frequency is set to 3kHz or above or ambient temperature exceeds 40°C (104°F).