

Asynchron-Standard types 8-pole

17/01/2024

Power

Continuous power for efficient water cooling

The peak power is considerably higher.

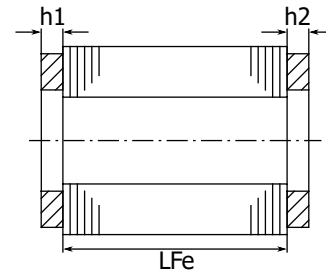
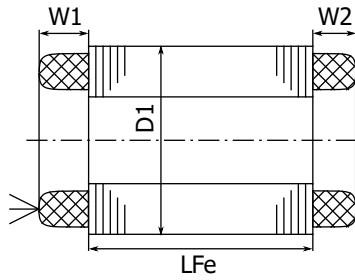
Rotor

material of squirrel cage: normal aluminium or copper for a bigger rotorbore (up to about 100 m/s). For higher speeds copper-rotors with steel reinforcement are available. Alternatively for higher speeds with reduced power, rotors in aluminium alloy are available.

Speed	in krpm	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	6	8	10	12	15
Frequency	in Hz	34	67	100	134	167	200	234	267	300	334	400	534	667	800	1000
Types (D1/LFe in cm)		Power in kW														
mW 16/10-8-s1r..	1.6	3.1	4.7	6.3	7.8	9.4	10.2	11	11.8	11.7	11.6	11.4				
mW 16/20-8-s1r..	4.7	9.4	14.1	18.9	24	28	30	32	34	34	34	33				
mW 16/8-8-s1r..	1.5	3.1	4.6	6.1	7.7	9.2	10.1	10.9	11.8	11.7	11.6	11.4				
mW 16/12.5-8-s1r..	2.5	5.1	7.6	10.1	12.7	15.2	16.4	17.6	18.8	18.7	18.5	18				
mW 16/17-8-s1r..	3.6	7.1	10.7	14.3	17.8	21	23	25	27	27	26	26				
mW 16/22-8-s1r..	4.6	9.2	13.8	18.3	23	28	30	32	34	34	34	33				
mW 16/27-8-s1r..	5.6	11.2	16.8	22	28	34	36	39	42	42	41	40				
mW 18/8-8-s1r..	2.2	4.4	6.6	8.7	10.9	13.1										
mW 18/12-8-s1r..	3.2	6.5	9.7	12.9	16.2	19.4										
mW 18/18-8-s1r..	4.9	9.7	14.6	19.4	24	29										
mW 18/24-8-s1r..	6.3	12.6	18.9	25	32	38										
mW 18/33-8-s1r..	8.7	17.5	26	35	44	52										
mW 18/38-8-s1r..	10	20	30	40	50	60										
mW 20/12-8-s1r..	3.8	7.6	11.3	15.1	18.9	23	23	23	23	22	22	21	21	20		
mW 20/16-8-s1r..	5.9	11.8	17.7	24	30	35	36	35	35	34	34	32	31	29		
mW 20/22-8-s1r..	8.7	17.4	26	35	44	52	53	53	53	52	52	51	51	50		
mW 20/26-8-s1r..	10.3	21	31	41	52	62	62	62	61	60	59	56	53	50		
mW 20/30-8-s1r..	12	24	36	48	60	72	72	71	71	70	68	65	61	58		
mW 20/39-8-s1r..	15.6	31	47	62	78	94	94	93	92	91	88	84	79	75		
mW 22/12-8-s2r..	4.9	9.8	14.7	19.6	25	29										
mW 22/20-8-s2r..	9	18	27	36	45	54										
mW 22/26-8-s2r..	11.8	24	35	47	59	71										
mW 22/30-8-s2r..	13.6	27	41	54	68	81										
mW 22/36-8-s2r..	16.3	33	49	65	82	98										
mW 24/21-8-s1r..	12.2	24	37	49	62											
mW 24/30-8-s1r..	17.4	35	52	70	87											
mW 24/36-8-s1r..	21	42	63	84	105											
mW 24/21-8-s1r..	16.2	32	48	64	79											
mW 24/30-8-s1r..	23	47	69	91	114											
mW 24/36-8-s1r..	24	48	71	94	118											
mW 24/40-8-s1r..	31	62	91	121	151											
mW 30/13-8-s2r..	12	24	36	48												
mW 30/16-8-s2r..	15.4	31	46	62												
mW 30/26.5-8-s2r..	26	51	77	103												
mW 30/35-8-s2r..	34	67	101	134												
mW 30/41-8-s2r..	39	78	117	156												
mW 30/48-8-s2r..	46	92	138	184												

Dimension sheet

Sketch



Main dimensions all dimensions in mm Typ (D1/LFe in cm)	Stator			Rotor						
	Outer diameter D1	Length of winding head		Bore				Ring length		
		W1 with PTC	W2	d3 min		d3 max		h		
				Al	Cu	Al	Cu	Al	Cu	CuSt
mW 16/ .. -8-s1r..	160	40	32	67	74	80	80	12.5	6	-
mW 18/ .. -8-s1r..	180	42	32	70	87	90	90	20	6	-
mW 20/ .. -8-s1r..	200	47	30	-	98	-	100	-	5	14
mW 22/ .. -8-s2r..	220	50	37	80	-	110	-	12	-	-
mW 24/ .. -8-s1r..	240	57	45	102.5	122.5	130	130	10	5	-
mW 30/ .. -8-s2r..	300	49	40	120	147.5	150	153	14	5	11