

Asynchron-Elan types 4-pole

17/04/2026

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.

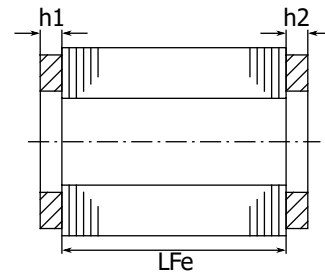
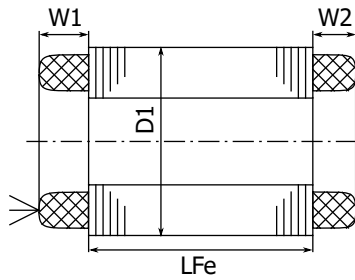
Speed	in krpm	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45
Frequency	in Hz	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
Types (D1/LFe in cm)		Power in kW														
mW 7/2.5-4-s2r..		0.24	0.48	0.72	0.97	1.2	1.4	1.7	1.9	2.2	2.4	2.7	2.9	2.8	2.7	2.7
mW 7/5-4-s2r..		0.53	1.1	1.6	2.1	2.7	3.2	3.7	4.3	4.8	5.3	5.9	6.4	6.3	6.2	6
mW 7/6-4-s2r..		0.64	1.3	1.9	2.6	3.2	3.8	4.5	5.1	5.8	6.4	7.1	7.7	7.5	7.2	7
mW 7/7-4-s2r..		0.75	1.5	2.2	3	3.8	4.5	5.2	6	6.8	7.5	8.2	9	8.8	8.6	8.4
mW 7/10-4-s2r..		1	2	3	4	5	6	7	8	9	10	11	12	11.7	11.5	11.2
mW 9/4-4-s1r..		0.64	1.3	1.9	2.6	3.2	3.9	4.5	5.1	5.8	6.4	7.1	7.7	8.4	9	9
mW 9/6-4-s1r..		1.1	2.1	3.2	4.3	5.4	6.4	7.5	8.6	9.6	10.7	11.8	12.9	13.9	15	15
mW 9/8-4-s1r..		1.5	3	4.5	6	7.5	9	10.5	12	13.5	15	16.5	18	19.5	21	21
mW 9/10-4-s1r..		1.9	3.9	5.8	7.7	9.6	11.6	13.5	15.4	17.4	19.3	21	23	25	27	27
mW 9/14-4-s1r..		2.5	5	7.5	10	12.5	15	17.5	20	22	25	28	30	32	35	35
mW 10.6/4-4-s1r..		1	2.1	3.1	4.2	5.2	6.2	7.3	8.3	9.4	10.4	11.5	12.5			
mW 10.6/6-4-s1r..		1.7	3.3	5	6.7	8.3	10	11.7	13.3	15	16.7	18.3	20	20		
mW 10.6/8-4-s1r..		2.4	4.8	7.2	9.7	12.1	14.5	16.9	19.3	22	24	27	29	29		
mW 10.6/10-4-s1r..		3.2	6.3	9.5	12.7	15.8	19	22	25	28	32	35	38	38		
mW 10.6/11-4-s1r..		3.4	6.8	10.2	13.7	17.1	20	24	27	31	34	38	41	41		
mW 10.6/12-4-s1r..		3.8	7.5	11.2	15	18.8	22	26	30	34	38	41	45	45		
mW 10.6/15-4-s1r..		4.7	9.3	14	18.7	23	28	33	37	42	47	51	56	56		
mW 12/4-4-s2r..		1.1	2.2	3.4	4.5	5.6	6.8	7.9	9	10.1	11.2	12.4	13.5	13.5		
mW 12/6-4-s2r..		2.2	4.3	6.5	8.7	10.8	13	15.2	17.3	19.5	22	24	26	26		
mW 12/9-4-s2r..		3.8	7.5	11.2	15	18.8	22	26	30	34	38	41	45	45		
mW 12/12-4-s2r..		5	10	15	20	25	30	35	40	45	50	55	60	60		
mW 12/15-4-s2r..		6.2	12.5	18.8	25	31	38	44	50	56	62	69	75	75		
mW 13/5-4-s1r..		1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	16.2	18	18	18	18		
mW 13/9-4-s1r..		4	8	12	16	20	24	28	32	36	40	40	40	40		
mW 13/10-4-s1r..		4.5	9	13.5	18	22	27	31	36	40	45	45	45	45		
mW 13/12.5-4-s1r..		5.6	11.2	16.8	22	28	34	39	45	50	56	56	56	56		
mW 13/15.5-4-s1r..		7	14	21	28	35	42	49	56	63	70	70	70	70		
mW 13/17.5-4-s1r..		8	16	24	32	40	48	56	64	72	80	80	80	80		
mW 13/25-4-s1r..		11	22	33	44	55	66	77	88	99	110	110	110	110		
mW 13.5/5-4-s1r..		2.4	4.8	7.2	9.6	12	14.4	16.8	19.2	22	24	24	24	24		
mW 13.5/7-4-s1r..		3.7	7.4	11.1	14.8	18.5	22	26	30	33	37	37	37	37		
mW 13.5/9-4-s1r..		5.2	10.4	15.6	21	26	31	36	42	47	52	52	52	52		
mW 13.5/10-4-s1r..		5.8	11.6	17.4	23	29	35	41	46	52	58	58	58	58		
mW 13.5/11-4-s1r..		6.4	12.8	19.2	26	32	38	45	51	58	64	64	64	64		
mW 13.5/12.5-4-s1r..		7.3	14.6	22	29	36	44	51	58	66	73	73	73	73		
mW 13.5/15.5-4-s1r..		9	18	27	36	45	54	63	72	81	90	90	89	89		
mW 13.5/17.5-4-s1r..		9.9	19.9	30	40	50	60	70	79	89	99	99	99	99		
mW 13.5/20-4-s1r..		10.6	21	32	42	53	64	74	85	95	106	105	105	104		
mW 13.5/25-4-s1r..		11.9	24	36	48	60	71	83	95	107	119	117	116	114		
mW 15/10-4-s2r..		7	14	21	28	35	42	49	56	63	70					
mW 15/12-4-s2r..		8.6	17.2	26	34	43	52	60	69	77	86					
mW 15/15-4-s2r..		10.5	21	32	42	52	63	74	84	94	105					
mW 15/22-4-s2r..		17	33	49	65	82	98	114	130	130	129					



Speed	in krpm	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45
Frequency	in Hz	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
Types (D1/LFe in cm)		Power in kW														
mW 20/7-4-s2r..		10.9	22	33	44	55	62	55	49							
mW 20/11-4-s2r..		17.8	36	54	71	89	99	90	81							
mW 20/16-4-s2r..		27	54	80	107	134	149	133	118							
mW 20/18-4-s2r..		30	60	89	119	149	169	149	129							

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	W2	d3 min		d3 max		h			
	with PTC		Al	Cu	Al	Cu	Al	Cu	CuSt		
mW 7/ .. -4-s2r..	70.2	19	17	-	21.5	-	24	-	4	12	
mW 9/ .. -4-s1r..	90	26	22	-	31.5	-	37	-	4	12	
mW 10.6/ .. -4-s1r..	106.5	34	26	-	44.5	-	46	-	4	12	
mW 12/ .. -4-s2r..	120	36	28	-	42.5	-	50	-	-	14	
mW 13/ .. -4-s1r..	130	38	30	-	47	-	58	-	6	14	
mW 13.5/ .. -4-s1r..	135	34	24	-	47	-	56	-	6	14	
mW 15/ .. -4-s2r..	150	40	34	-	63.5	-	65	-	8	16	
mW 20/ .. -4-s2r..	200	50	34	-	80	-	85	-	10	18	