

Synchron-IPM types 4-pole

10/04/2026

Power

Continuous power for efficient water cooling

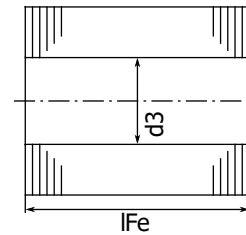
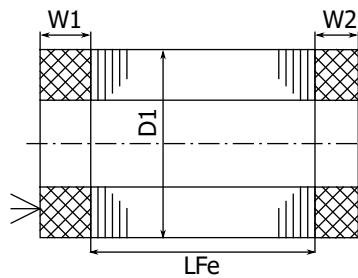
Speed	in krpm	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45
Frequency	in Hz	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
Types (D1/LFe in cm)		Power in kW														
mSipW 7/5-4-s2r..	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.3	7	7	7	7	7	7	7
mSipW 7/7-4-s2r..	1	2	3	4	5	6	7	8	9	10	10	10	10	10	10	10
mSipW 7/10-4-s2r..	1.4	2.9	4.4	5.8	7.2	8.7	10.2	11.6	13	14.5	14.5	14.5	14.5	14.5	14.5	14.5
mSipW 8/4-4-s1r..	0.77	1.5	2.3	3.1	3.9	4.6	5.4	6.2	6.9	7.2	7.2	7.2	7.2	7.2	7.2	7.2
mSipW 8/6-4-s1r..	1.2	2.4	3.5	4.7	5.9	7.1	8.2	9.4	10.6	11	11	11	11	11	11	11
mSipW 8/9-4-s1r..	1.8	3.5	5.3	7.1	8.8	10.6	12.4	14.1	15.9	16.5	16.5	16.5	16.5	16.5	16.5	16.5
mSipW 8/11-4-s1r..	2.1	4.3	6.4	8.6	10.7	12.8	15	17.1	19.3	20	20	20	20	20	20	20
mSipW 9/3-4-s4r..	0.76	1.5	2.3	3	3.8	4.6	5.3	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
mSipW 9/6-4-s4r..	1.5	3.1	4.6	6.2	7.7	9.3	10.8	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
mSipW 9/8-4-s4r..	1.9	3.9	5.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
mSipW 9/9-4-s4r..	2.4	4.7	7.1	9.5	11.9	14.2	16.6	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
mSipW 9/10-4-s4r..	2.4	4.9	7.4	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
mSipW 9/11-4-s4r..	2.9	5.8	8.7	11.6	14.5	17.4	20	22	22	22	22	22	22	22	22	22
mSipW 10.6/6-4-s1r..	2.9	5.8	8.8	11.7	14.6	17.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5			
mSipW 10.6/8-4-s1r..	3.9	7.8	11.7	15.6	19.5	23	26	26	26	26	26	26	26			
mSipW 10.6/10-4-s1r..	4.9	9.9	14.8	19.8	25	30	33	33	33	33	33	33	33			
mSipW 10.6/12-4-s1r..	5.9	11.8	17.8	24	30	36	40	40	40	40	40	40	40			
mSipW 10.6/6-4-s1r..	3.1	6.2	9.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3			
mSipW 10.6/8-4-s1r..	4.3	8.6	12.9	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3			
mSipW 10.6/10-4-s1r..	5.5	10.9	16.4	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2			
mSipW 12/6-4-s2r..	3.7	7.3	11	14.7	18.3	22	22	22	22	22	22	22				
mSipW 12/9-4-s2r..	5.5	11	16.5	22	28	33	33	33	33	33	33	33				
mSipW 12/12-4-s2r..	7.3	14.7	22	29	37	44	44	44	44	44	44	44				
mSipW 12/15-4-s2r..	9.2	18.3	28	37	46	55	55	55	55	55	55	55				
mSipW 13.5/8-4-s3r..	6.6	13.2	19.8	26	33	33	33	33	33	33						
mSipW 13.5/9-4-s3r..	7.5	15	20	20	20	20	20	20	20	20						
mSipW 13.5/10-4-s3r..	8.2	16.5	22	22	22	22	22	22	22	22						
mSipW 13.5/15-4-s3r..	12.6	25	38	50	63	63	63	63	63	63						
mSipW 13.5/15.5-4-s3r..	13.1	26	35	35	35	35	35	35	35	35						
mSipW 13.5/20-4-s3r..	17	34	51	68	85	85	85	85	85	85						
mSipW 15/7-4-s2r..	7.6	15.2	23	30	38	38	38	38	38	38						
mSipW 15/10-4-s2r..	11.2	22	34	45	56	56	56	56	56	56						
mSipW 15/12-4-s2r..	13.6	27	41	54	68	68	68	68	68	68						
mSipW 15/15-4-s2r..	17	34	51	68	85	85	85	85	85	85						
mSipW 16/8-4-s1r..	10.7	21	25	25	25	25	25	25								
mSipW 16/11-4-s1r..	15	30	35	35	35	35	35	35								
mSipW 16/15-4-s1r..	21	42	48	48	48	48	48	48								
mSipW 16/20-4-s1r..	28	56	65	65	65	65	65	65								
mSipW 16/8-4-s2r..	10.8	22	32	43	47	47	47	47								
mSipW 16/11-4-s2r..	15.2	30	46	61	66	66	66	66								
mSipW 16/15-4-s2r..	21	42	63	84	91	91	91	91								
mSipW 16/20-4-s2r..	28	56	84	112	121	121	121	121								
mSipW 17/10-4-s1r..	16	32	32	32	32	32	32	32								
mSipW 17/15-4-s1r..	24	49	49	49	49	49	49	49								
mSipW 17/18-4-s1r..	30	60	60	60	60	60	60	60								
mSipW 17/20-4-s1r..	33	67	67	67	67	67	67	67								
mSipW 17/25-4-s1r..	42	84	84	84	84	84	84	84								



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														
mSipW 17/10-4-s2r..	15.5	31	46	62	62	62	62	62								
mSipW 17/15-4-s2r..	24	47	70	94	94	94	94	94								
mSipW 17/20-4-s2r..	32	64	96	128	128	128	128	128								
mSipW 17/25-4-s2r..	40	80	120	160	160	160	160	160								
mSipW 18/8-4-s1r..	15	30	30	30	30	30	30									
mSipW 18/11-4-s1r..	22	43	65	83	83	83	83									
mSipW 18/15-4-s1r..	29	57	86	110	110	110	110									
mSipW 18/20-4-s1r..	40	79	79	79	79	79	79									
mSipW 18/22-4-s1r..	43	86	129	165	165	165	165									
mSipW 20/7-4-s1r..	16.2	27	27	27	27	27	27									
mSipW 20/11-4-s1r..	26	43	43	43	43	43	43									
mSipW 20/16-4-s1r..	38	64	64	64	64	64	64									
mSipW 20/18-4-s1r..	43	72	72	72	72	72	72									
mSipW 20/26-4-s1r..	64	106	106	106	106	106	106									
mSipW 20/7-4-s3r..	15.1	30	45	53	53	53	53									
mSipW 20/11-4-s3r..	24	49	73	85	85	85	85									
mSipW 20/15-4-s3r..	34	68	102	119	119	119	119									
mSipW 20/21-4-s3r..	48	97	145	169	169	169	169									

Dimension sheet

Sketch



Main dimensions all dimensions in mm	Stator			Rotor	
	Outer diameter D1	Length of winding head W1 W2		Bore d3	max. speed in krpm
Typ D1/LFe in cm		with PTC		at nominal point	
mSipW 7/..-4-s2r..	70.2	21	18	28	62
mSipW 8/..-4-s1r..	80	25	21	37	56
mSipW 9/..-4-s4r..	90	30	23	43	45
mSipW 10.6/..-4-s1r..	106.5	34	26	50	40
mSipW 12/..-4-s2r..	120	30	24	55	36
mSipW 13.5/..-4-s3r..	135	37	27	65	30
mSipW 15/..-4-s2r..	150	41	28	70	30
mSipW 16/..-4-s1r..	160	43	34	80	26
mSipW 16/..-4-s2r..	160	43	34	80	26
mSipW 17/..-4-s1r..	170	44	37	85	24
mSipW 17/..-4-s2r..	170	44	37	85	24
mSipW 18/..-4-s1r..	180	47	40	90	23
mSipW 18/..-4-s1r..	180	47	40	90	23
mSipW 20/..-4-s1r..	200	50	34	100	21
mSipW 20/..-4-s3r..	200	50	34	100	21