

Leistung: Dauerbetriebsleistung in kW bei normalem Spindelbetrieb und intensiver Wasserkühlung.

Die Spitzenleistung ist erheblich höher

Rotor: Käfigwerkstoff: normal Aluminium oder Kupfer für ein grösseres Achsloch

(bis ca. 100 m/s)

Für höhere Umfangsgeschwindigkeiten ist eine spezielle Kupfer-Ausführung oder

bei reduzierter Leistung eine Ausführung mit Aluminiumlegierung möglich

Drehzahl 1000 1/min	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45
Frequenz Hz	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
mW 6/2-4-45c/..		0.08	0.15	0.23	0.29	0.35	0.41	0.47	0.53	0.6	0.66	0.72	0.78	0.84	0.9
mW 6/3-4-45c/..		0.15	0.26	0.4	0.5	0.6	0.7	0.8	0.91	1.0	1.1	1.2	1.4	1.5	1.6
mW 6/4.5-4-45c/..		0.25	0.43	0.64	0.8	1.0	1.1	1.3	1.4	1.6	1.8	2.0	2.1	2.3	2.5
mW 6/6-4-45c/..		0.37	0.62	0.91	1.1	1.4	1.6	1.8	2.0	2.3	2.5	2.8	3.0	3.3	3.5
mW 6/8-4-45c/..		0.5	0.83	1.2	1.5	1.8	2.1	2.5	2.8	3.1	3.5	3.9	4.2	4.6	5.0
mW 6/3-4-258d/..		0.2	0.35	0.55	0.71	0.87	1.0	1.2	1.4	1.6	1.7	1.9	2.0	2.2	2.4
mW 6/4.5-4-258d/..	0.16	0.35	0.64	1.0	1.3	1.5	1.8	2.0	2.3	2.5	2.7	2.9	3.1	3.3	3.5
mW 6/6-4-258d/..	0.21	0.45	0.83	1.3	1.7	2.0	2.3	2.6	3.0	3.3	3.6	3.9	4.2	4.4	4.7
mW 6/8-4-258d/..	0.29	0.62	1.2	1.8	2.3	2.7	3.1	3.6	4.0	4.4	4.8	5.3	5.7	6.2	6.6
mW 6.5/8-4-165a/..	0.41	0.91	1.5	2.0	2.5	3.0	3.4	3.9	4.3	4.8	5.2	5.7	5.5	5.3	5.0
mW 7/3-4-167a/..	0.12	0.36	0.74	1.0	1.2	1.5	1.8	2.0	2.1	2.3	2.3	2.4	2.3	2.2	2.0
mW 7/4-4-167a/..	0.2	0.58	1.1	1.5	1.8	2.2	2.5	2.8	3.0	3.1	3.3	3.4	3.3	3.1	2.8
mW 7/5-4-167a/..	0.27	0.74	1.4	1.9	2.3	2.7	3.1	3.5	3.8	4.0	4.2	4.3	4.2	4.0	3.8
mW 7/6-4-167a/..	0.36	0.93	1.7	2.2	2.8	3.3	3.8	4.3	4.6	5.0	5.2	5.5	5.2	4.9	4.5
mW 7/7-4-167a/..	0.44	1.1	2.0	2.6	3.3	3.9	4.5	5.2	5.5	5.8	6.1	6.2	6.1	5.8	5.4
mW 7/10-4-167a/..	0.64	1.7	3.0	3.9	4.8	5.7	6.5	7.2	7.9	8.4	8.8	9.1	8.9	8.5	8.0
mW 7/12-4-167a/..	0.8	2.0	3.6	4.7	5.8	6.8	7.8	8.7	9.6	10	11	11	10	9.9	9.2
mW 8/4-4-358d/..	0.4	1.0	1.5	2.0	2.4	2.9	3.3	3.8	4.2	4.6	5.0	5.5	5.9		
mW 8/6-4-358d/..	0.64	1.5	2.3	3.0	3.7	4.3	5.0	5.5	6.2	6.9	7.6	8.3	9.0		
mW 8/9-4-358d/..	1.1	2.6	3.8	5.0	6.1	7.2	8.3	9.3	10	11	12	14	15		
mW 8/11-4-358d/..	1.4	3.1	4.6	6.0	7.3	8.5	9.8	11	12	14	15	16	18		
mW 8/15-4-358d/..	1.7	4.1	6.1	8.0	9.8	12	13	15	17	19	20	22	24		
mW 8/20-4-358d/..	2.3	5.6	8.3	11	13	16	18	21	23	25	28	30	33		
mW 8.3/2-4-34a/..	0.13	0.35	0.52	0.69	0.86	1.0	1.2	1.3	1.4	1.5	1.5	1.5	1.4		
mW 8.3/3-4-34a/..	0.2	0.58	0.88	1.2	1.5	1.8	2.0	2.2	2.4	2.5	2.5	2.5	2.3		
mW 8.3/4-4-34a/..	0.31	0.88	1.3	1.8	2.2	2.6	3.0	3.3	3.5	3.8	3.8	3.8	3.5		
mW 8.3/5-4-34a/..	0.46	1.1	1.7	2.2	2.8	3.3	3.7	4.2	4.5	4.9	4.9	4.9	4.4		
mW 8.3/6-4-34a/..	0.57	1.4	2.1	2.8	3.5	4.2	4.8	5.2	5.6	6.0	6.0	6.0	5.6		
mW 8.3/7-4-34a/..	0.69	1.7	2.5	3.3	4.1	4.9	5.5	6.1	6.6	7.0	7.0	7.0	6.3		
mW 8.3/9-4-34a/..	0.88	2.3	3.4	4.5	5.5	6.6	7.4	8.0	8.6	9.1	9.1	9.1	8.3		
mW 8.5/6-4-61b/..	0.5	1.2	1.9	2.8	3.5	4.2	4.8	5.5	6.2	6.9	6.9	6.6	6.1	5.5	
mW 8.5/8-4-61b/..	0.79	1.8	2.9	4.0	5.0	6.0	7.0	8.0	9.1	10	10	9.6	8.9	7.9	
mW 8.5/11-4-61b/..	1.2	2.5	3.9	5.5	6.9	8.3	9.7	11	12	14	14	13	12	11	



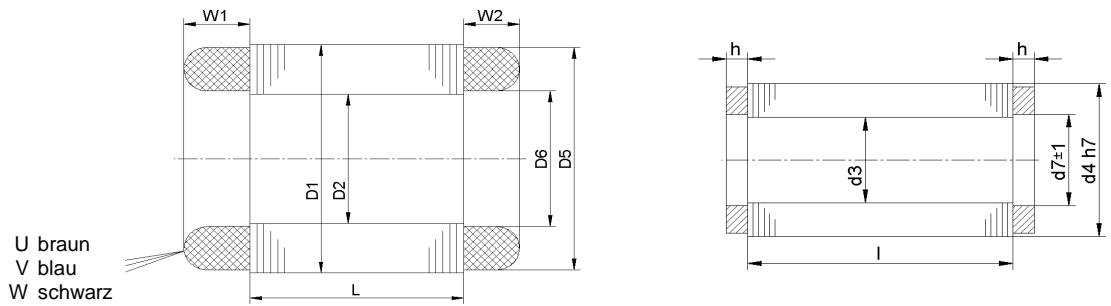
Drehzahl 1000 1/min	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45
Frequenz Hz	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
mW 8.5/12-4-61b/..	1.3	2.6	4.2	6.0	7.5	9.1	11	12	14	15	15	14	13	12	
mW 9/6-4-248d/..	0.74	1.6	2.6	3.6	4.7	5.9	6.9	7.9	8.9	9.4	9.7	10	10	10	10
mW 9/8-4-248d/..	1.1	2.3	3.7	5.1	6.7	8.0	9.3	11	12	12	12	12	12	12	12
mW 9/10-4-248d/..	1.4	3.0	4.8	6.5	8.2	10	12	13	15	16	16	17	17	17	17
mW 9/14-4-248d/..	1.7	3.6	5.7	8.0	11	13	15	17	19	20	20	20	20	20	19
mW 10.6/4-4-28a/..	0.6	1.5	2.3	3.0	3.8	4.5	5.3	6.0	5.7	5.1	4.3				
mW 10.6/6-4-28a/..	1.1	2.5	3.8	5.0	6.3	7.5	8.8	10	9.5	8.6	7.3				
mW 10.6/8-4-28a/..	1.6	3.6	5.4	7.2	8.8	11	12	14	13	11	9.3				
mW 10.6/10-4-28a/..	2.2	4.8	7.2	9.6	12	14	16	18	17	15	13				
mW 10.6/11-4-28a/..	2.7	5.3	8.0	11	13	16	18	20	19	18	15				
mW 10.6/12-4-28a/..	3.0	6.0	8.9	12	15	17	20	22	21	19	16				
mW 10.6/15-4-28a/..	3.6	7.2	11	15	18	21	25	28	26	23	18				
mW 11.4/5-4-69a/..	1.2	2.8	4.2	5.5	6.9	8.3	9.7	11	10	8.6					
mW 11.4/7-4-69a/..	1.9	4.0	6.0	8.0	10	12	14	16	14	13					
mW 11.4/9-4-69a/..	2.5	5.2	7.8	10	13	16	18	20	19	16					
mW 11.4/12-4-69a/..	3.5	7.2	11	14	18	21	24	26	24	21					
mW 11.4/15-4-69a/..	4.3	9.0	14	18	22	26	30	33	30	26					
mW 12/6-4-25a/..	2.0	4.0	6.0	8.0	9.2	10	9.1	7.5	6.9	6.0					
mW 12/9-4-25a/..	3.0	6.0	9.1	12	14	16	15	12	10	7.5					
mW 12/12-4-25a/..	4.5	9.1	14	18	21	22	21	18	15	11					
mW 13/5-4-155e/..	1.5	3.0	4.6	6.2	7.9	9.6	11	13	15	17					
mW 13/9-4-155e/..	3.5	7.0	11	14	18	21	25	29	32	36					
mW 13/10-4-155e/..	4.0	8.2	12	16	20	25	29	33	37	41					
mW 13/12.5-4-155e/..	5.0	10	15	20	25	30	35	40	45	50					
mW 13/15.5-4-155e/..	6.2	13	19	25	31	38	44	50	57	63					
mW 13/17.5-4-155e/..	7.0	14	22	29	36	43	50	57	65	72					
mW 13.5/5-4-119e/..	2.0	4.0	6.1	8.2	10	13	15	17	20	22					
mW 13.5/7-4-119e/..	3.3	6.5	9.9	13	17	20	24	28	31	35					
mW 13.5/9-4-119e/..	4.5	9.0	14	18	23	28	33	38	43	48					
mW 13.5/10-4-119e/..	5.0	11	17	22	27	33	38	43	49	54					
mW 13.5/11-4-119e/..	5.5	12	18	24	30	36	42	48	54	60					
mW 13.5/12.5-4-119e/..	6.5	14	21	28	34	41	48	54	61	67					
mW 13.5/15.5-4-119e/..	8.0	17	25	34	42	50	59	67	75	83					
mW 13.5/17.5-4-119e/..	9.0	19	28	38	47	57	66	75	85	94					
mW 14/10-4-70b/..	6.3	14	19	25	30	27	22	16							
mW 14/13-4-70b/..	8.5	18	26	33	40	37	30	21							
mW 15/5-4-48a/..	3.5	6.8	10	12	11	8.7	7.0								



Drehzahl 1000 1/min	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45
Frequenz Hz	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
mW 15/7-4-48a/..	5.5	10	14	18	15	12	8.8								
mW 15/9-4-48a/..	7.0	13	19	24	21	18	14								
mW 15/10-4-48a/..	8.0	15	22	27	24	20	16								
mW 15/12-4-48a/..	10	19	27	34	29	24	19								
mW 15/15-4-48a/..	12	23	33	42	36	30	23								
mW 15/22-4-48a/..	18	34	49	62	53	43	34								
mW 16/8-4-320a/..	7.0	14	21	26	30										
mW 16/11-4-320a/..	10	20	30	38	43										
mW 16/15-4-320a/..	14	28	42	53	60										
mW 16/20-4-320a/..	19	38	57	72	81										
mW 16/26-4-320a/..	25	50	75	95	105										
mW 17/5-4-139a/..	4.5	9.2	14	18	21	18									
mW 17/7-4-139a/..	7.0	14	21	27	31	27									
mW 17/10-4-139a/..	11	22	33	42	48	42									
mW 17/15-4-139a/..	17	34	50	62	72	62									
mW 17/18-4-139a/..	21	42	62	76	86	76									
mW 17/20-4-139a/..	24	47	68	85	95	85									
mW 17/22-4-139a/..	26	51	74	93	104	92									
mW 17/25-4-139a/..	30	58	85	105	120	105									
mW 17/30-4-139a/..	36	69	100	120	140	120									
mW 18/8-4-241a/..	9.1	18	26	34	28										
mW 18/11-4-241a/..	14	27	39	50	42										
mW 18/15-4-241a/..	19	38	54	68	57										
mW 18/19-4-241a/..	25	49	70	88	75										
mW 18/20-4-241a/..	26	52	74	93	79										
mW 18/26-4-241a/..	34	69	97	121	101										
mW 20/7-4-157a/..	11	22	33	44	44										
mW 20/11-4-157a/..	18	36	54	72	72										
mW 20/13-4-157a/..	21	43	64	86	86										
mW 20/16-4-157a/..	27	54	81	108	108										
mW 20/18-4-157a/..	31	61	90	120	120										
mW 20/21-4-157a/..	36	71	106	141	141										
mW 20/26-4-157a/..	46	91	135	175	174										
mW 20/30-4-157a/..	54	106	156	156	156										
mW 20/36-4-157a/..	62	122	180	180	179										
mW 24/12-4-143a/..	28	54	75	58											
mW 24/15-4-143a/..	36	72	101	79											
mW 24/20-4-143a/..	50	96	136	108											
mW 24/25-4-143a/..	64	126	171	136											
mW 24/30-4-143a/..	77	151	205	163											



Massblatt
Skizze



Hauptabmessungen alle Masse in mm	Stator				Rotor						
	Durchmesser		Wickelkopf-Länge		Bohrung				Ring-Länge		
	Typ D1/Lfe [cm]	D1 (Rohmass)	D2	W1 mit PTC	W2	d3 min Al	d3 min Cu	d3 max Al	d3 max Cu	h Al	h Cu
mW 6/ ... - 4- 45c/...	60.2	32	18	16	10.5	-	17.1	-	7	-	-
mW 6/ ... - 4- 258d/...	60.2	35	20	17	18.0	19.5	22	25	5.5	4	-
mW 6.5/ ... - 4- 165a/...	65	40	18	16	19.5	-	21	-	5.5	-	-
mW 7/ ... - 4- 167a/...	70.2	40	19	17	18.5	-	20	-	7.5	-	-
mW 8/ ... - 4- 358d/...	80	50	24	20	23.0	28.0	30	34	9	4	12
mW 8.3/ ... - 4- 34a/...	83	50	23	19	23.0	28.0	30	34	9	4	12
mW 8.5 ... - 4- 61b/...	85.4	55	23	21	25.0	25.0	33	39	10	4	12
mW 9/ ... - 4- 248d/...	90	55	26	22	26.5	-	33	-	10	-	-
mW 10.6/ ... - 4- 28a/...	106.5	65	32	26	32.5	-	36	-	8	-	-
mW 11.4/ ... - 4- 69a/...	114	70	31	25	-	42.5	-	46	-	6	14
mW 12/ ... - 4- 25a/...	120	70	35	32	25.5	42.5	35	46	15	6	14
mW 13/ ... - 4- 155e/...	130	85	38	30	40.0	-	56	-	18.5	-	-
mW 13.5/ ... - 4- 119e/...	135	85	38	30	40.0	-	52	-	18.5	-	-
mW 14/ ... - 4- 70b/...	140	85	34	30	-	46.5	-	54	-	6	14
mW 15/ ... - 4- 48a/...	150	90	38	34	38.0	39.0	42	56	13	8	16
mW 16/ ... - 4- 320a/...	160	103	43	34	-	63.5	-	70	-	8	16
mW 17/ ... - 4- 139a/...	170	110	43	34	59.0	66.5	64	75	18	8	16
mW 18/ ... - 4- 241a/...	180	115	45	36	-	73.5	-	80	-	10	18
mW 20/ ... - 4- 157a/...	200	130	48	37	63.5	79.5	70	88	17	10	18
mW 24 ... - 4- 143a/...	240	160	60	50	72.0	99.5	80	110	20	12	20