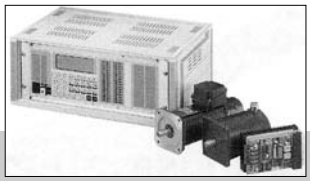
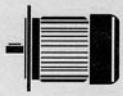


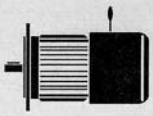
Systemtechnik

TN



Standard Drehstrommotoren

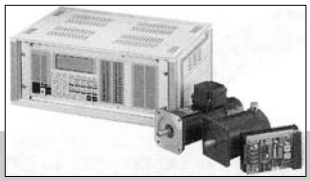
TF
TFP
TFS



Drehstrom- Bremsmotoren

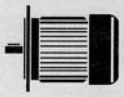
4 polig **1500 rpm**

Typ	P_N kW	P_N HP	n_n min^{-1}	η %	cosφ	I_N (400V) A	$\frac{I_{sp}}{I_N}$	M_N Nm	$\frac{M_{sp}}{M_N}$	$\frac{M_{MAX}}{M_N}$	J Kgm^2	Kg (TN)	Kg (TF)
55 A	0.05	0.07	1320	50	0.65	0.36	2	0.42	1.7	2	0.00010	2.0	—
56 B	0.09	0.12	1340	56	0.65	0.40	2.3	0.65	1.8	2	0.00018	2.9	4.0
63 A	0.13	0.18	1360	60	0.68	0.60	2.4	0.93	2	2.2	0.00025	3.7	5.1
63 B	0.18	0.25	1380	62	0.69	0.70	2.6	1.29	2.2	2.3	0.00029	4.5	5.9
71 A	0.25	0.33	1400	63	0.71	0.90	3	1.7	2.2	2.3	0.00074	5.4	6.8
71 B	0.37	0.50	1400	68	0.71	1.2	3.2	2.52	2.3	2.6	0.00096	6.4	7.8
71 C	0.55	0.75	1400	72	0.75	1.5	3.9	3.75	2.4	2.5	0.00117	7	8.4
80 A	0.55	0.75	1410	74	0.78	1.6	3.9	3.80	2.4	2.6	0.00191	8.5	10.4
80 B	0.75	1	1410	74	0.78	2.1	4	5	2.2	2.4	0.00254	10.5	12.4
80C	0.95	1.3	1410	74	0.78	2.8	4	6.56	2.3	2.6	0.00285	11.5	13.4
90 S	1.1	1.5	1410	74	0.78	3	4.3	7.5	2.2	2.4	0.00242	12.5	15.6
90 L	1.5	2	1420	78	0.80	3.8	4.6	10	2.3	2.6	0.00321	14	17.1
90 LB	1.8	2.5	1420	78	0.80	4.6	4.7	12.1	2.3	2.6	0.00400	16	19.1
100 A	2.2	3	1430	80	0.82	5.4	4.8	15	2.2	2.5	0.00520	20	25.6
100 B	3	4	1430	81	0.82	7	5	20	2.3	2.6	0.00668	24	29.6
112 A	4	5.5	1430	83	0.83	9	5.2	27	2.4	2.7	0.01052	29	38.7
112 B	5.5	7.5	1450	83	0.83	12.5	5.5	36.2	2.4	2.2	0.01320	32	41.7
132 SA	5.5	7.5	1430	83	0.83	12	6	37	2.5	2.8	0.01940	42	59
132 MB	7.5	10	1430	83	0.83	16	6.1	50	2.5	2.8	0.02688	53	70
132 MC	9.2	12.5	1430	85	0.85	18	6.1	62	2.5	2.8	0.03059	58	75
132 MD	11	15	1430	85	0.85	22.5	6	75.0	2.0	2.5	0.03632	69	81
160 M	11	15	1450	89	0.86	21	7	72.5	2.0	2.3	0.06800	122	—
160 L	15	20	1450	89	0.86	29	7	99	2.2	2.3	0.09200	142	—
180 M	18.5	25	1470	91	0.86	34	7	120	2.0	2.2	0.12800	174	—
180 L	22	30	1470	92	0.86	41	7	143	2.0	2.2	0.15200	192	—
200 L	30	40	1470	92	0.87	54	7	195	2.0	2.2	0.24900	253	—
225 S	37	50	1480	92	0.87	67	7	239	1.9	2.2	0.13920	294	—
225 M	45	60	1480	92	0.88	80	7	291	1.9	2.2	0.47400	327	—
250 M	55	75	1480	93	0.88	98	7	355	2.0	2.2	0.73600	381	—
280 S	75	100	1480	93	0.88	133	7	484	1.9	2.2	1.22000	535	—
280 M	90	125	1480	94	0.89	156	7	591	1.9	2.2	1.46000	634	—
315 S	110	150	1487	96	0.89	190	7	707	1.8	2.2	2.12000	912	—
315 MA	132	180	1487	94	0.89	227	7	848	1.8	2.2	2.54000	1048	—
315 MB	150	200	1487	95	0.89	274	7	964	1.8	2.2	2.97000	1105	—
315 LA	160	220	1486	95	0.87	288	6.8	1028	1.8	2.2	2.97000	1200	—
315 LB	185	250	1487	95	0.89	317	6.8	1189	1.8	2.2	3.18000	1205	—
315 LC	200	270	1487	95	0.89	343	6.8	1285	1.8	2.2	3.25000	1210	—



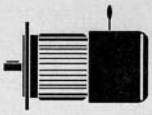
Systemtechnik

TN



Standard Drehstrommotoren

TF
TFP
TFS



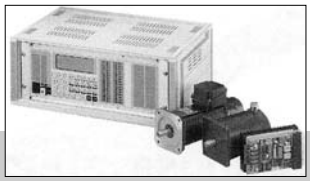
Drehstrom- Bremsmotoren

6 polig 1000 rpm

Typ	P_N kW	P_N HP	n_n min^{-1}	η %	cosφ	I_N (400V) A	$\frac{I_{sp}}{I_N}$	M_N Nm	$\frac{M_{sp}}{M_N}$	$\frac{M_{MAX}}{M_N}$	J Kgm^2	Kg **(TN)**	Kg (TF)
56 C	0.06	0.08	840	48	0.59	0.4	2.2	0.68	1.8	2	0.00018	3	4.1
63 A	0.09	0.12	850	52	0.60	0.5	2.2	1	1.8	2	0.00029	3.8	5.2
63 B	0.12	0.16	870	54	0.60	0.6	2.3	1.3	1.8	2	0.00034	4.6	6.0
71 A	0.18	0.25	880	56	0.62	0.8	2.5	1.95	1.8	2	0.00074	5.5	6.9
71 B	0.25	0.33	900	60	0.65	1	2.9	2.65	1.9	2.2	0.00096	6.5	7.9
80 A	0.37	0.50	910	62	0.66	1.27	3.2	3.88	1.9	2.2	0.00191	8.5	10.4
80 B	0.55	0.75	910	66	0.70	1.8	3.5	5.77	2	2.3	0.00254	10.5	12.4
90 S	0.75	1	920	68	0.70	2.4	3.5	7.79	1.8	2	0.00242	12.5	15.6
90 L	1.1	1.5	920	70	0.70	3.4	3.5	11.4	1.8	2	0.00398	14	17.1
100 A	1.5	2	940	75	0.72	4.2	4	15.2	1.8	2	0.00519	24	29.6
112 A	2.2	3	940	80	0.77	5.7	5	22.4	1.9	2.4	0.00720	34	43.7
132 SA	3	4	940	82	0.78	7.6	5.4	30.5	2	2.5	0.01940	44	61
132 MB	4	5.5	940	82	0.80	9	5.3	40.5	2	2.5	0.02688	55	72
132 MC	5.5	7.5	940	82	0.80	12.7	5.3	57	2	2.5	0.03430	60	77
160 M	7.5	10	960	87	0.77	16.5	6.5	75	2.0	2.3	0.09300	110	—
160 L	11	15	960	88	0.79	23	6.5	110	2.0	2.3	0.12700	130	—
180 L	15	20	970	90	0.81	30	6.5	148	1.8	2.0	0.19200	1892	—
200 LA	18.5	25	970	90	0.83	36	6.5	182	1.8	2.0	0.28100	220	—
200 LB	22	30	970	90	0.83	43	6.5	217	1.8	2.0	0.32400	246	—
225 M	30	40	980	90	0.85	57	6.5	293	1.7	2.0	0.73600	294	—
250 M	37	50	980	91	0.86	69	6.5	361	1.8	2.0	1.01000	395	—
280 S	45	60	980	92	0.87	81	6.5	439	1.8	2.0	1.48000	505	—
280 M	55	75	980	92	0.87	99	6.5	536	1.8	2.0	1.78000	566	—
315 S	75	100	988	93	0.87	134	6.5	725	1.6	2.0	2.63000	850	—
315 MA	90	125	988	93	0.87	161	6.5	870	1.6	2.0	3.08000	1050	—
315 MB	110	150	988	94	0.87	195	6.5	1064	1.6	2.0	3.63000	1110	—
315 MC	132	180	989	96	0.87	234	6.7	1275	1.6	2.0	4.17000	1120	—
355 MA	160	220	990	94	0.86	285	6.7	1544	1.3	2.0	10.7000	1590	—
355 MB	185	250	990	95	0.86	234	6.7	1785	1.3	2.0	11.8000	1680	—
355 MC	200	270	990	95	0.86	355	6.7	1930	1.3	2.0	12.7000	1750	—

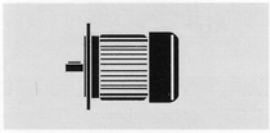
8 polig 750 rpm

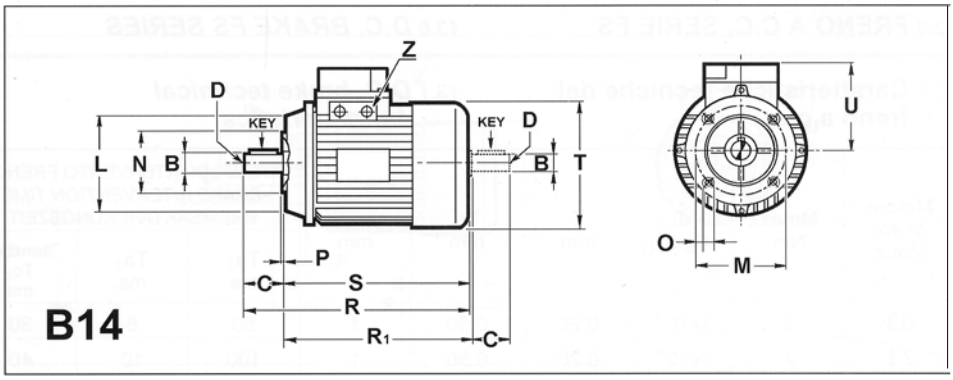
Typ	P_N kW	P_N HP	n_n min^{-1}	η %	cosφ	I_N (400V) A	$\frac{I_{sp}}{I_N}$	M_N Nm	$\frac{M_{sp}}{M_N}$	$\frac{M_{MAX}}{M_N}$	J Kgm^2	Kg **(TN)**	Kg (TF)
63 B	0.07	0.10	660	42	0.56	0.6	1.3	1	1.8	2	0.00029	4.5	5.9
71 B	0.12	0.16	670	46	0.60	0.8	2	1.72	1.8	2	0.00096	6.5	7.9
80 A	0.18	0.25	690	50	0.60	0.9	2.5	2.5	1.8	2	0.00191	8.4	10.3
80 B	0.25	0.33	700	50	0.60	1	2.5	3.4	1.8	2	0.00254	10.4	12.3
90 S	0.37	0.5	700	58	0.60	1.6	3	5	2	2.2	0.00242	12.3	15.4
90 L	0.55	0.75	700	62	0.62	2.2	3.2	7.5	2	2.2	0.00320	13.8	16.9
100 A	0.75	1	700	70	0.64	2.6	3.5	10.4	2	2.4	0.00519	23	28.6
100 B	1.1	1.5	700	72	0.64	3.6	3.5	15.2	2	2.4	0.00668	30	35.6
112 A	1.5	2	700	74	0.66	4.7	4	20.7	2.1	2.4	0.01220	33	42.7
132 SA	2.2	3	700	75	0.65	7	4.1	30	2.2	2.4	0.01940	44	61
132 MB	3	4	700	77	0.65	9	4.3	41	2.2	2.4	0.03430	55	72
160 MA	4	5.5	710	80	0.70	9.8	4.5	54	1.8	2	0.07900	110	130
160 MB	5.5	7.5	720	84	0.74	11.6	5	73	1.8	2	0.10500	122	149
160 L	7.5	10	720	85	0.75	16.8	5	100	1.8	2	0.14300	144	169

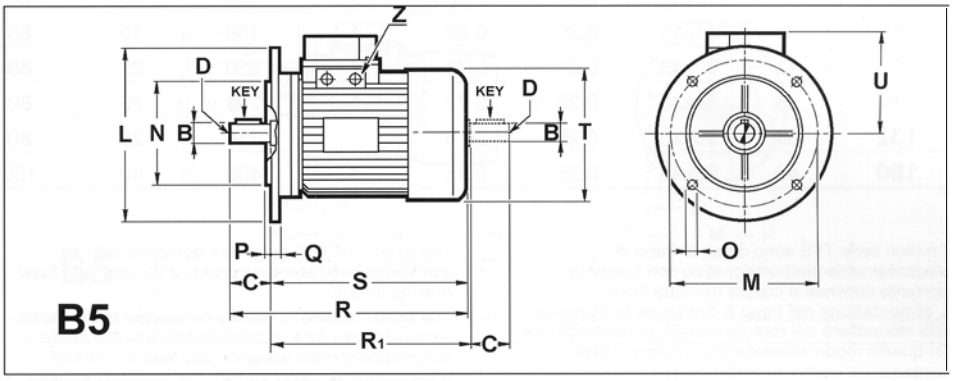


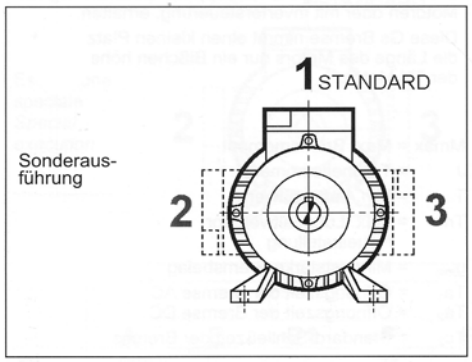
ABMESSUNGEN

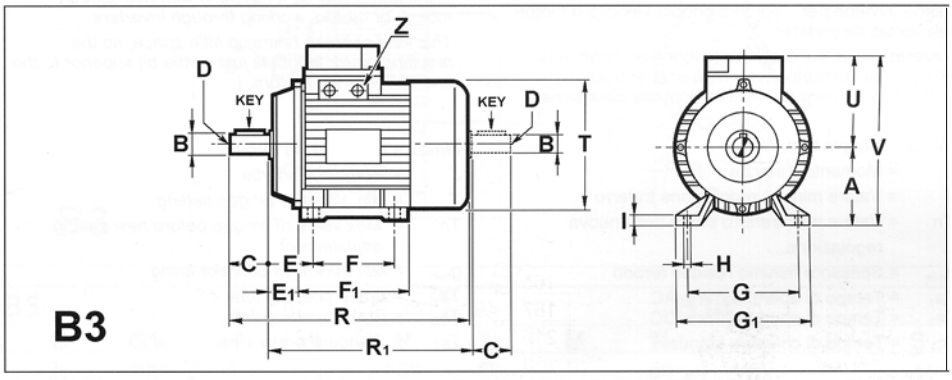
TN



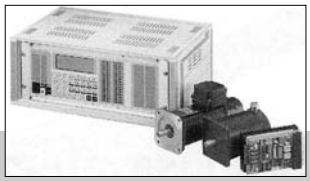








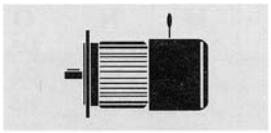
N.B.
Die beidseitig vorstehende Welle is bis zur Größe 132 verfügbar.

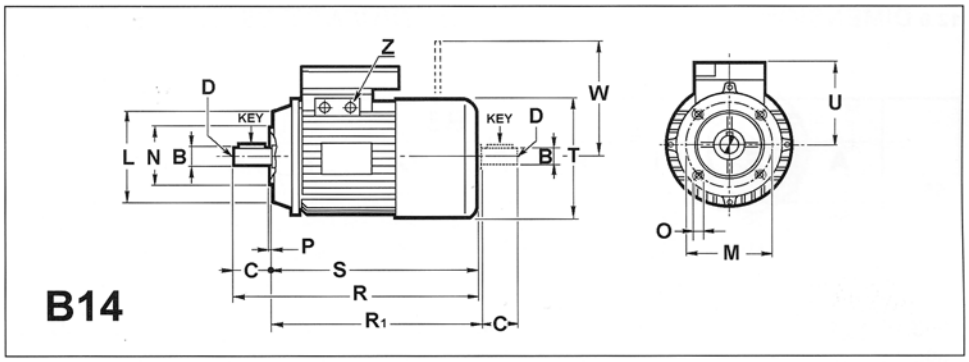


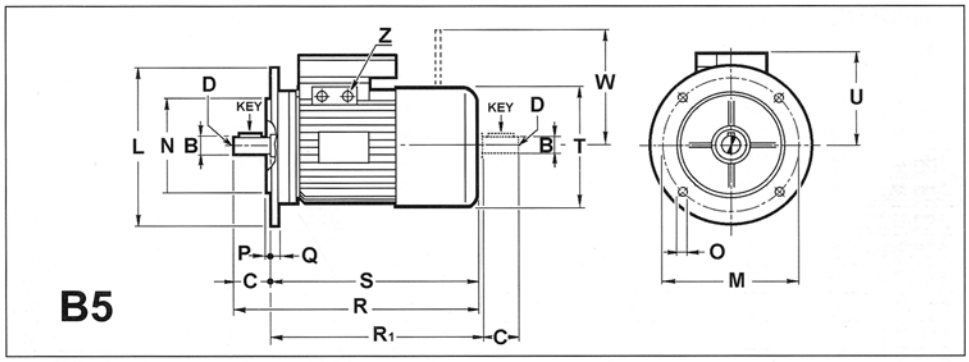
Systemtechnik

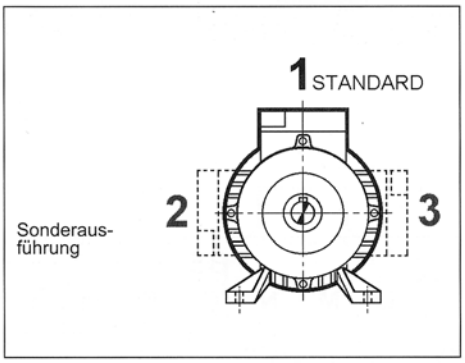
ABMESSUNGEN

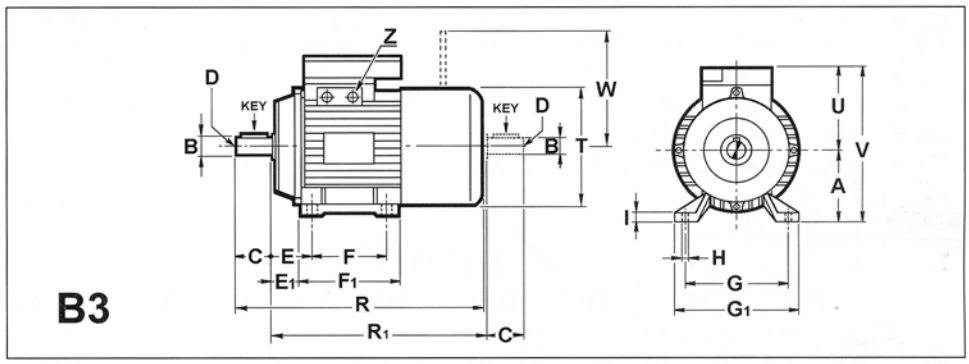
TF











	B3										B14					
	A	E	E1	F	F1	G	G1	H	I	V	L	M	N	O	P	S
56	56	36	26	71	90	90	108	6	9	156	80	65	50	M5	2.5	208
63	63	40	28	80	105	100	120	7	10	168	90	75	60	M5	2.5	235
71	71	45	36	90	108	112	136	7	11	185	105	85	70	M6	2.5	270
80	80	50	38	100	125	125	154	9.5	11	206	120	100	80	M6	3	295
90S	90	56	41	100	130	140	174	9.5	13	223	140	115	95	M8	3	315
90L	90	56	41	125	155	140	174	9.5	13	223	140	115	95	M8	3	340
100	100	63	46	140	175	160	192	12	14	242	160	130	110	M8	3.5	381
112	112	70	53	140	180	190	234	12	14	265	160	130	110	M8	3.5	410
132 S	132	89	60	140	180	216	256	12	16	310	200	165	130	M10	4	472
132 M	132	89	60	178	218	216	256	12	16	310	200	165	130	M10	4	510
160 M	160	108	83	210	260	254	318	15	22	400	—	—	—	—	—	—
160 L	160	108	83	254	304	254	318	15	22	400	—	—	—	—	—	—

	B3 - B5 -B14											B5						
	B	C	D	R	R1	T	U	Z	Key	W (c.a.)	W (c.c.)	L	M	N	O	P	Q	S
56	9 j6	20	M4	228	221	110	100	M16x1.5	3x3x15	–	–	120	100	80	7	3	8	208
63	11 j6	23	M4	258	241	123	105	M16x1.5	4x4x15	116	96	140	115	95	9	3	9	235
71	14 j6	30	M5	300	275	138	114	M20x1.5	5x5x20	116	96	160	130	110	9	3.5	9	270
80	19 j6	40	M6	335	303	156	126	M20x1.5	6x6x30	124	103	200	165	130	11	3.5	10	295
90S	24 j6	50	M8	365	319	176	133	M20x1.5	8x7x40	134	129	200	165	130	11	3.5	10	315
90L	24 j6	50	M8	390	344	176	133	M20x1.5	8x7x40	134	129	200	165	130	11	3.5	10	340
100	28 j6	60	M10	441	383	192	142	M20x1.5	8x7x40	160	160	250	215	180	14	4	14	381
112	28 j6	60	M10	567	435	216	153	M20x1.5	8x7x40	198	199	250	215	180	14	4	14	425
132 S	38 k6	80	M12	552	477	257	178	M32x1.5	10x8x70	217	266	300	265	230	14	4	20	487
132 M	38 k6	80	M12	605	530	257	178	M32x1.5	10x8x70	217	266	300	265	230	14	4	20	525
160 M	42 k6	110	M16	740	635	310	240	M32x1.5	12x8	247	266	350	300	250	19	5	20	630
160 L	42 k6	110	M16	780	680	310	240	M32x1.5	12x8	247	266	350	300	250	19	5	20	670