

Modular slip-ring motors, type NMK

Technical data

IP55, IC611, insulation class F, temperature rise class B
6000 V, 50 Hz, 4 pole

Output (kW)	Motor type	Product ID	Speed (r/min)	Efficiency		Power factor		Current		Torque		Rotor inertia (kgm ²)	Motor weight (kg)	Sound pressure level <i>L_p</i> (dB(A))	Rotor current (A)	Rotor voltage (kV)
				Full load 100%	3/4 load 75%	Full load 100%	3/4 load 75%	<i>I_N</i> (A)	<i>I₀</i> (A)	<i>T_N</i> (Nm)	<i>T_{max}</i> <i>T_N</i> (pu)					
1500 r/min = 4 poles				6000 V 50 Hz												
800	NMK 400L4A	1219	1481	94.9	95.1	0.87	0.86	93	26	5159	2.1	27.7	4140	85	684	0.726
900	NMK 400L4A	1220	1482	95.2	95.4	0.88	0.86	104	29	5798	2.2	30.3	4370	85	668	0.830
1000	NMK 450L4A	1378	1485	95.1	95.0	0.86	0.84	118	37	6432	2.1	42.4	5110	86	728	0.848
1120	NMK 450L4A	1255	1484	95.3	95.3	0.87	0.85	131	38	7206	2.0	44.4	5300	86	768	0.903
1250	NMK 450L4A	2516	1486	95.6	95.6	0.87	0.85	145	43	8034	2.2	48.4	5590	86	744	1.032
1450	NMK 450L4A	1257	1486	95.7	95.7	0.86	0.84	169	53	9318	2.2	50.4	5700	86	779	1.141
1600	NMK 500L4A	1321	1485	95.3	95.3	0.88	0.87	184	50	10288	2.1	76.6	6560	87	812	1.216
1800	NMK 500L4A	1322	1485	95.5	95.5	0.88	0.86	206	57	11571	2.2	80.1	6750	87	836	1.327
2000	NMK 500L4A	1323	1486	95.7	95.7	0.89	0.87	227	59	12853	2.1	87.2	7110	87	842	1.463
2220	NMK 500L4A	2506	1487	95.9	95.9	0.89	0.88	251	64	14260	2.2	94.3	7470	87	837	1.627
2240	NMK 560L4A	1500	1489	96.2	96.1	0.90	0.88	250	69	14367	2.7	134.1	10070	88	788	1.726
2500	NMK 560L4A	1501	1490	96.4	96.3	0.89	0.87	280	81	16024	2.8	143.9	10540	88	773	1.956
2800	NMK 560L4A	1502	1490	96.5	96.4	0.89	0.87	313	91	17947	2.8	148.9	10780	88	808	2.095
3150	NMK 560L4A	1503	1490	96.6	96.5	0.89	0.87	353	104	20190	2.8	153.8	11020	88	844	2.254
3550	NMK 560L4A	1504	1490	96.7	96.7	0.88	0.86	399	123	22751	2.8	158.7	11280	88	878	2.439
4000	NMK 630L4A	2101	1490	96.5	96.5	0.89	0.87	449	123	25632	2.4	204.3	12580	89	1685	1.445
4500	NMK 630L4A	2102	1490	96.7	96.7	0.89	0.88	501	130	28832	2.4	219.4	13170	89	1718	1.591
5000	NMK 630L4A	2103	1491	96.9	96.9	0.90	0.88	555	147	32023	2.5	234.5	13760	89	1712	1.769
5600	NMK 630L4A	2104	1491	97.0	97.0	0.90	0.89	617	159	35854	2.6	257.1	14630	89	1697	1.993
6150	NMK 630L4A	2105	1492	97.0	96.9	0.89	0.87	683	193	39366	2.8	277.2	15260	89	1649	2.247
6300	NMK 710L4A	10093	1491	96.6	96.5	0.90	0.89	698	154	40348	2.3	379.0	15900	88	1950	1.980
7100	NMK 710L4A	10094	1492	96.8	96.7	0.90	0.90	782	173	45449	2.3	417.1	16850	88	1912	2.265
8000	NMK 710L4A	10095	1493	97.0	96.9	0.91	0.90	875	198	51183	2.5	497.4	18180	88	2118	2.291

Note: Rating list presents typical value of preliminary technical data on standard conditions.

Note: Ratings of special site conditions of ambient temperature up to 50 °C or down to -50 °C, altitude higher than 1000 m a.s.l on request.

Note: Accurate motor performance data will be given on specific requirements at the quotation phase.

Modular slip-ring motors, type NMK

Technical data

IP55, IC611, insulation class F, temperature rise class B
6000 V, 50 Hz, 6 pole

Output (kW)	Motor type	Product ID	Speed (r/min)	Efficiency		Power factor		Current		Torque		Rotor inertia (kgm ²)	Motor weight (kg)	Sound pressure level <i>L_p</i> (dB(A))	Rotor current (A)	Rotor voltage (kV)
				Full load 100%	3/4 load 75%	Full load 100%	3/4 load 75%	<i>I_N</i> (A)	<i>I₀</i> (A)	<i>T_N</i> (Nm)	<i>T_{max}</i> <i>T_N</i> (pu)					
1000 r/min = 6 poles																
6000 V 50 Hz																
560	NMK 400L6A	1222	987	94.5	94.3	0.80	0.75	71	33	5420	2.6	31.4	4080	82	446	0.764
630	NMK 400L6A	1223	987	94.6	94.4	0.79	0.73	81	39	6094	2.7	33.0	4190	82	451	0.848
655	NMK 400L6A	2525	987	94.6	94.5	0.80	0.74	84	40	6334	2.8	34.5	4290	82	447	0.890
710	NMK 450L6A	1258	986	94.9	95.0	0.82	0.78	88	34	6876	2.1	46.0	5000	83	577	0.759
800	NMK 450L6A	1259	988	95.1	95.1	0.81	0.77	100	41	7734	2.3	50.7	5260	83	548	0.893
900	NMK 450L6A	1260	987	95.3	95.3	0.82	0.78	111	43	8705	2.2	53.1	5430	83	581	0.950
1020	NMK 450L6A	1261	988	95.4	95.4	0.82	0.78	126	51	9856	2.3	57.8	5690	83	575	1.085
1120	NMK 500L6A	1325	990	95.4	95.3	0.82	0.78	137	55	10807	2.4	83.3	6050	84	603	1.134
1250	NMK 500L6A	1326	990	95.5	95.5	0.83	0.79	153	60	12061	2.4	88.0	6220	84	620	1.229
1400	NMK 500L6A	1327	989	95.5	95.6	0.84	0.81	168	61	13514	2.2	92.8	6370	84	658	1.304
1600	NMK 500L6A	1328	990	95.8	95.9	0.84	0.81	191	68	15437	2.3	102.3	6750	84	660	1.480
1800	NMK 500L6A	2508	990	95.9	96.1	0.86	0.84	210	65	17368	2.1	116.5	7280	84	667	1.652
1885	NMK 500L6A	2509	991	96.1	96.1	0.84	0.80	225	85	18159	2.5	121.2	7460	84	617	1.852
2000	NMK 560L6A	1505	991	96.0	96.0	0.88	0.86	228	64	19276	2.3	189.7	9940	85	737	1.661
2240	NMK 560L6A	1506	991	96.2	96.2	0.88	0.86	255	74	21576	2.4	204.1	10390	85	731	1.868
2500	NMK 560L6A	1507	992	96.3	96.3	0.87	0.85	286	86	24073	2.4	211.4	10590	85	747	2.037
2800	NMK 560L6A	1508	992	96.4	96.4	0.88	0.85	319	96	26956	2.4	225.8	11050	85	759	2.241
3150	NMK 560L6A	1510	992	96.5	96.5	0.87	0.85	360	111	30315	2.5	240.2	11500	85	768	2.488
3550	NMK 630L6A	2106	993	96.6	96.6	0.87	0.85	405	123	34127	2.5	330.4	13720	86	866	2.490
4000	NMK 630L6A	2107	993	96.7	96.8	0.88	0.85	455	136	38451	2.5	326.6	14570	86	1499	1.619
4500	NMK 630L6A	2108	993	96.8	96.8	0.88	0.86	511	142	43271	2.2	345.4	15100	86	1591	1.724
5000	NMK 630L6A	2109	994	97.0	97.0	0.86	0.83	577	188	48045	2.4	354.9	15450	86	1569	1.928
5600	NMK 710L6A	10096	994	97.1	97.2	0.88	0.86	635	179	53805	2.3	462.0	16770	85	1838	1.853
6300	NMK 710L6A	10097	994	97.3	97.3	0.88	0.86	710	192	60514	2.3	514.7	18080	85	1819	2.106
6900	NMK 710L6A	10098	994	97.4	97.4	0.87	0.85	782	227	66260	2.3	541.0	18790	85	1821	2.295

Note: Rating list presents typical value of preliminary technical data on standard conditions.

Note: Ratings of special site conditions of ambient temperature up to 50 °C or down to -50 °C, altitude higher than 1000 m a.s.l on request.

Note: Accurate motor performance data will be given on specific requirements at the quotation phase.

Modular slip-ring motors, type NMK

Technical data

IP55, IC611, insulation class F, temperature rise class B
6000 V, 50 Hz, 8 pole

Output (kW)	Motor type	Product ID	Speed (r/min)	Efficiency		Power factor		Current		Torque		Rotor inertia (kgm ²)	Motor weight (kg)	Sound pressure level <i>L_p</i> (dB(A))	Rotor current (A)	Rotor voltage (kV)
				Full load 100%	3/4 load 75%	Full load 100%	3/4 load 75%	<i>I_N</i> (A)	<i>I₀</i> (A)	<i>T_N</i> (Nm)	<i>T_{max}</i> <i>T_N</i> (pu)					
750 r/min = 8 poles																
6000 V 50 Hz																
630	NMK 450L8A	1262	741	94.8	94.6	0.76	0.69	84	46	8119	3.1	65.2	5120	78	347	1.094
710	NMK 450L8A	1263	741	94.8	94.7	0.77	0.70	94	50	9152	3.0	68.5	5240	78	364	1.178
800	NMK 450L8A	2518	742	95.0	94.8	0.76	0.69	107	59	10299	3.1	78.6	5660	78	345	1.393
900	NMK 500L8A	1331	740	95.0	95.1	0.82	0.79	111	40	11607	2.0	96.8	6520	79	548	1.017
1000	NMK 500L8A	1332	742	95.2	95.1	0.80	0.76	126	53	12872	2.2	101.6	6700	79	523	1.170
1120	NMK 500L8A	2511	743	95.4	95.2	0.80	0.75	142	62	14399	2.3	116.0	7230	79	492	1.384
1180	NMK 500L8A	2512	743	95.4	95.2	0.79	0.74	150	68	15159	2.5	125.5	7580	79	469	1.523
1250	NMK 560L8A	1511	742	95.7	95.6	0.83	0.79	152	59	16080	2.4	183.9	9810	79	545	1.396
1400	NMK 560L8A	1512	743	95.8	95.7	0.82	0.78	171	70	18001	2.4	191.1	10040	79	554	1.534
1600	NMK 560L8A	1513	743	95.9	95.9	0.82	0.78	195	79	20569	2.4	205.5	10500	79	570	1.705
1800	NMK 560L8A	1514	743	96.1	96.0	0.83	0.79	218	86	23133	2.4	227.1	11170	79	569	1.920
2000	NMK 560L8A	1515	743	96.0	96.0	0.82	0.79	243	95	25705	2.3	234.3	11340	79	594	2.044
2240	NMK 560L8A	1516	743	96.2	96.2	0.82	0.78	273	108	28790	2.3	241.5	11640	79	621	2.188
2500	NMK 630L8A	2110	743	96.2	96.3	0.84	0.82	296	102	32134	2.3	340.2	14100	79	691	2.205
2800	NMK 630L8A	2111	743	96.3	96.3	0.84	0.81	332	120	35968	2.4	353.4	15180	79	1144	1.486
3150	NMK 630L8A	2112	743	96.4	96.4	0.84	0.81	374	134	40460	2.4	372.9	15760	79	1180	1.620
3550	NMK 710L8A	10099	744	96.9	97.0	0.84	0.82	419	138	45559	2.2	431.8	15470	79	1586	1.368
4000	NMK 710L8A	10100	744	97.0	97.1	0.85	0.83	469	147	51339	2.1	458.6	16070	79	1652	1.483
4500	NMK 710L8A	10101	745	97.2	97.2	0.84	0.81	533	190	57689	2.3	512.1	17270	79	1536	1.777
5000	NMK 710L8A	10102	745	97.2	97.3	0.84	0.80	592	214	64082	2.4	552.2	18080	79	1534	1.974

Note: Rating list presents typical value of preliminary technical data on standard conditions.

Note: Ratings of special site conditions of ambient temperature up to 50 °C or down to -50 °C, altitude higher than 1000 m a.s.l on request.

Note: Accurate motor performance data will be given on specific requirements at the quotation phase.

Modular slip-ring motors, type NMK

Technical data

IP55, IC611, insulation class F, temperature rise class B
11000 V, 50 Hz, 4 pole

Output (kW)	Motor type	Product ID	Speed (r/min)	Efficiency		Power factor		Current		Torque		Rotor inertia (kgm ²)	Motor weight (kg)	Sound pressure level <i>L_p</i> (dB(A))	Rotor current (A)	Rotor voltage (kV)
				Full load 100%	3/4 load 75%	Full load 100%	3/4 load 75%	<i>I_N</i> (A)	<i>I₀</i> (A)	<i>T_N</i> (Nm)	<i>T_{max}</i> <i>T_N</i> (pu)					
1500 r/min = 4 poles																
11000 V 50 Hz																
420	NMK 400L4A	1218	1475	93.0	93.2	0.86	0.84	28	8	2719	2.0	17.7	3830	85	526	0.507
450	NMK 450L4A	1381	1486	93.2	92.4	0.82	0.76	31	14	2891	3.1	31.0	4460	86	464	0.599
500	NMK 450L4A	1382	1485	93.4	92.8	0.83	0.79	34	14	3216	2.8	31.0	4460	86	516	0.599
560	NMK 450L4A	1383	1482	93.5	93.3	0.86	0.84	36	12	3609	2.3	32.8	4600	86	581	0.602
630	NMK 450L4A	1384	1479	93.5	93.5	0.87	0.85	41	12	4067	2.1	32.8	4600	86	659	0.602
710	NMK 450L4A	1385	1480	93.9	93.9	0.87	0.85	46	13	4582	2.1	34.6	4750	86	672	0.663
800	NMK 450L4A	1386	1481	94.2	94.3	0.87	0.85	51	15	5158	2.1	36.3	4900	86	677	0.737
900	NMK 450L4A	1387	1483	94.5	94.5	0.87	0.85	58	18	5797	2.3	38.1	5020	86	672	0.828
950	NMK 450L4A	1388	1483	94.7	94.7	0.87	0.85	61	19	6116	2.3	39.9	5170	86	663	0.884
1000	NMK 500L4A	2526	1487	94.3	94.0	0.87	0.85	64	20	6422	2.5	69.5	6110	87	617	1.000
1120	NMK 500L4A	1302	1485	94.4	94.3	0.88	0.86	71	20	7201	2.3	69.5	6110	87	695	1.000
1250	NMK 500L4A	1303	1486	94.7	94.6	0.88	0.87	79	22	8035	2.2	73.0	6290	87	714	1.085
1400	NMK 500L4A	1304	1486	94.9	94.8	0.88	0.86	88	25	8996	2.3	76.6	6470	87	730	1.183
1600	NMK 500L4A	1305	1487	95.2	95.1	0.88	0.86	100	29	10278	2.3	80.1	6660	87	757	1.301
1800	NMK 500L4A	1306	1487	95.4	95.4	0.89	0.87	112	31	11559	2.3	87.2	7020	87	763	1.448
1865	NMK 500L4A	2507	1487	95.4	95.4	0.89	0.87	116	31	11981	2.2	87.2	7020	87	793	1.448
2000	NMK 560L4A	1395	1487	95.8	95.8	0.90	0.89	121	28	12844	2.3	129.2	9800	88	821	1.497
2240	NMK 560L4A	1396	1490	96.0	95.9	0.89	0.86	138	42	14359	2.9	134.1	9970	88	758	1.790
2500	NMK 560L4A	1397	1490	96.3	96.2	0.89	0.86	154	47	16026	2.8	139.0	10270	88	789	1.918
2800	NMK 560L4A	1398	1490	96.3	96.3	0.89	0.86	172	53	17947	2.8	143.9	10460	88	820	2.064
3150	NMK 560L4A	1399	1490	96.2	96.0	0.88	0.86	195	62	20189	2.9	151.5	10710	88	855	2.233
3300	NMK 560L4A	1400	1489	96.2	96.1	0.89	0.88	202	56	21161	2.6	156.5	10940	88	897	2.239
3550	NMK 630L4A	2025	1491	96.3	96.2	0.89	0.87	219	58	22740	2.2	225.2	12580	89	931	2.333
4000	NMK 630L4A	2026	1491	96.4	96.3	0.88	0.86	248	74	25611	2.4	218.3	13080	89	1561	1.558
4500	NMK 630L4A	2027	1491	96.7	96.6	0.88	0.86	278	79	28817	2.3	225.8	13460	89	1664	1.644
5000	NMK 630L4A	2028	1492	96.8	96.8	0.89	0.87	305	83	32007	2.4	248.0	14320	89	1634	1.855
5600	NMK 630L4A	2029	1492	96.7	96.7	0.88	0.87	344	95	35850	2.4	258.6	14540	89	1722	1.976
6300	NMK 710L4A	10022	1491	96.4	96.4	0.91	0.90	379	78	40338	2.2	404.4	16420	88	1860	2.077
7100	NMK 710L4A	10023	1492	96.7	96.6	0.90	0.89	428	100	45428	2.4	442.5	17410	88	1785	2.421

Note: Rating list presents typical value of preliminary technical data on standard conditions.

Note: Ratings of special site conditions of ambient temperature up to 50 °C or down to -50 °C, altitude higher than 1000 m a.s.l on request.

Note: Accurate motor performance data will be given on specific requirements at the quotation phase.

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Technical data

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11000 V, 50 Hz, 6 pole

Output (kW)	Motor type	Product ID	Speed (r/min)	Efficiency		Power factor		Current		Torque		Rotor inertia (kgm ²)	Motor weight (kg)	Sound pressure level <i>L_p</i> (dB(A))	Rotor current (A)	Rotor voltage (kV)
				Full load 100%	3/4 load 75%	Full load 100%	3/4 load 75%	<i>I_N</i> (A)	<i>I₀</i> (A)	<i>T_N</i> (Nm)	<i>T_{max}</i> <i>T_N</i> (pu)					
1000 r/min = 6 poles				11000 V 50 Hz												
450	NMK 450L6A	1250	986	93.8	93.8	0.79	0.75	32	14	4358	2.3	35.0	4840	83	442	0.630
500	NMK 450L6A	1251	988	94.1	94.0	0.77	0.71	36	18	4832	2.6	36.8	4950	83	419	0.729
560	NMK 450L6A	1252	987	94.3	94.3	0.79	0.73	40	19	5416	2.5	38.6	5100	83	445	0.770
650	NMK 450L6A	1253	986	94.4	94.5	0.80	0.76	45	19	6293	2.3	40.4	5250	83	490	0.817
710	NMK 500L6A	1308	989	94.6	94.5	0.84	0.80	47	18	6856	2.7	68.1	5910	84	446	0.973
800	NMK 500L6A	1309	989	94.8	94.8	0.85	0.81	52	20	7726	2.6	71.8	6090	84	466	1.048
900	NMK 500L6A	1310	989	95.0	95.0	0.85	0.82	58	21	8692	2.6	75.6	6260	84	484	1.136
1000	NMK 500L6A	1311	989	95.2	95.2	0.85	0.82	65	24	9654	2.6	79.4	6440	84	492	1.239
1120	NMK 500L6A	1312	990	95.4	95.4	0.85	0.81	73	28	10808	2.7	83.1	6620	84	499	1.363
1250	NMK 500L6A	1313	990	95.5	95.5	0.84	0.79	82	33	12054	2.8	86.9	6790	84	500	1.512
1300	NMK 500L6A	1314	989	95.5	95.6	0.85	0.82	84	30	12546	2.6	90.6	6960	84	521	1.516
1400	NMK 560L6A	1401	989	95.1	95.2	0.88	0.87	88	23	13513	2.1	168.1	9170	85	697	1.246
1600	NMK 560L6A	1402	990	95.3	95.4	0.88	0.87	100	26	15439	2.1	175.3	9400	85	723	1.371
1800	NMK 560L6A	1403	990	95.6	95.7	0.88	0.87	112	31	17357	2.2	182.5	9630	85	728	1.522
2000	NMK 560L6A	1404	991	95.8	95.9	0.88	0.87	124	32	19277	2.2	204.1	10290	85	717	1.715
2240	NMK 560L6A	1405	992	96.0	96.0	0.88	0.86	140	42	21565	2.4	211.4	10530	85	697	1.957
2500	NMK 560L6A	1407	992	96.0	96.1	0.88	0.85	156	48	24066	2.4	218.6	10700	85	723	2.106
2800	NMK 560L6A	1408	992	96.2	96.2	0.87	0.85	176	55	26949	2.5	225.8	10930	85	747	2.277
3150	NMK 630L6A	2030	993	96.3	96.2	0.86	0.84	199	62	30302	2.4	305.9	13100	86	846	2.270
3550	NMK 630L6A	2031	993	96.4	96.4	0.87	0.85	223	67	34150	2.3	327.6	13660	86	873	2.478
4000	NMK 630L6A	2032	992	96.5	96.6	0.87	0.86	249	69	38490	2.2	326.3	14500	86	1550	1.577
4500	NMK 630L6A	2033	993	96.7	96.7	0.87	0.85	281	85	43268	2.4	354.7	15280	86	1503	1.818
5000	NMK 710L6A	10024	993	96.9	96.9	0.88	0.86	310	88	48074	2.3	433.4	16070	85	1775	1.715
5600	NMK 710L6A	10025	994	97.0	97.1	0.88	0.86	345	98	53823	2.4	473.4	17010	85	1761	1.931
6300	NMK 710L6A	10026	995	97.2	97.2	0.86	0.83	394	132	60492	2.7	526.7	18230	85	1641	2.312

Note: Rating list presents typical value of preliminary technical data on standard conditions.

Note: Ratings of special site conditions of ambient temperature up to 50 °C or down to -50 °C, altitude higher than 1000 m a.s.l on request.

Note: Accurate motor performance data will be given on specific requirements at the quotation phase.

Modular slip-ring motors, type NMK

Technical data

IP55, IC611, insulation class F, temperature rise class B
11000 V, 50 Hz, 8 pole

Output (kW)	Motor type	Product ID	Speed (r/min)	Efficiency		Power factor		Current		Torque		Rotor inertia (kgm ²)	Motor weight (kg)	Sound pressure level <i>L_p</i> (dB(A))	Rotor current (A)	Rotor voltage (kV)
				Full load 100%	3/4 load 75%	Full load 100%	3/4 load 75%	<i>I_N</i> (A)	<i>I₀</i> (A)	<i>T_N</i> (Nm)	<i>T_{max}</i> <i>T_N</i> (pu)					
750 r/min = 8 poles				11000 V 50 Hz												
450	NMK 450L8A	2527	738	92.9	93.1	0.75	0.68	34	18	5820	2.4	40.6	4720	78	361	0.768
500	NMK 500L8A	1315	741	93.7	93.3	0.73	0.65	39	22	6441	2.9	70.3	6040	79	352	0.862
560	NMK 500L8A	1316	741	93.9	93.6	0.74	0.67	42	24	7216	2.7	74.0	6210	79	370	0.921
630	NMK 500L8A	1317	741	94.1	93.8	0.75	0.68	47	25	8120	2.6	77.8	6390	79	388	0.987
710	NMK 500L8A	1318	741	94.2	94.0	0.75	0.69	52	28	9153	2.6	81.5	6560	79	407	1.063
800	NMK 500L8A	1319	741	94.4	94.2	0.75	0.69	59	31	10313	2.6	85.3	6740	79	423	1.151
900	NMK 500L8A	1320	741	94.5	94.4	0.75	0.69	67	35	11599	2.6	89.0	6910	79	436	1.255
1000	NMK 560L8A	1409	741	94.8	95.0	0.84	0.81	66	23	12885	2.2	169.5	9300	79	545	1.136
1120	NMK 560L8A	1410	741	95.0	95.1	0.84	0.81	74	26	14429	2.2	176.7	9520	79	562	1.230
1250	NMK 560L8A	1411	742	95.2	95.3	0.84	0.81	82	29	16097	2.2	183.9	9750	79	574	1.341
1400	NMK 560L8A	1412	741	95.3	95.5	0.84	0.82	92	30	18040	2.1	191.1	9980	79	614	1.409
1600	NMK 560L8A	1413	742	95.5	95.7	0.84	0.81	105	37	20604	2.1	198.3	10200	79	630	1.563
1800	NMK 560L8A	1414	742	95.7	95.8	0.82	0.79	120	46	23156	2.2	205.5	10430	79	627	1.755
2000	NMK 560L8A	1415	743	95.9	95.9	0.82	0.78	133	53	25709	2.3	227.1	11110	79	607	2.004
2250	NMK 630L8A	2034	744	96.0	95.9	0.83	0.79	148	58	28892	2.5	329.1	13730	79	629	2.170
2500	NMK 630L8A	2035	743	96.1	96.1	0.84	0.81	163	59	32110	2.3	361.6	14560	79	646	2.354
2800	NMK 630L8A	2036	743	96.1	96.2	0.84	0.81	182	65	35970	2.3	353.1	15120	79	1149	1.483
3150	NMK 710L8A	10027	744	96.6	96.7	0.84	0.82	203	68	40458	2.2	403.0	14680	79	1538	1.255
3550	NMK 710L8A	10028	744	96.8	96.8	0.84	0.82	228	77	45552	2.3	457.1	15870	79	1456	1.486
4000	NMK 710L8A	10029	744	96.9	97.0	0.85	0.83	255	80	51328	2.2	497.6	16760	79	1491	1.638
4500	NMK 710L8A	10030	745	97.1	97.1	0.85	0.83	287	93	57693	2.2	538.8	17670	79	1507	1.817

Note: Rating list presents typical value of preliminary technical data on standard conditions.

Note: Ratings of special site conditions of ambient temperature up to 50 °C or down to -50 °C, altitude higher than 1000 m a.s.l on request.

Note: Accurate motor performance data will be given on specific requirements at the quotation phase.

Modular slip-ring motors, type NMK

Technical data

IP55, IC81W, insulation class F, temperature rise class B
6000 V, 50 Hz

Output (kW)	Motor type	Product ID	Speed (r/min)	Efficiency		Power factor		Current		Torque		Rotor inertia (kgm ²)	Motor weight (kg)	Sound pressure level <i>L_p</i> (dB(A))	Rotor current (A)	Rotor voltage (kV)
				Full load 100%	3/4 load 75%	Full load 100%	3/4 load 75%	<i>I_N</i> (A)	<i>I₀</i> (A)	<i>T_N</i> (Nm)	<i>T_{max}</i> <i>T_N</i> (pu)					
1500 r/min = 4 poles																
6000 V 50 Hz																
2500	NMK 560L4L	1822	1488	96.5	96.6	0.90	0.89	278	69	16049	2.4	126.1	9480	79	882	1.726
2800	NMK 560L4L	1823	1489	96.7	96.7	0.90	0.88	311	81	17962	2.5	135.9	9950	79	868	1.956
3150	NMK 560L4L	1824	1489	96.7	96.8	0.90	0.88	350	91	20208	2.5	140.9	10190	79	912	2.095
3550	NMK 560L4L	1825	1489	96.8	96.9	0.89	0.88	395	104	22773	2.5	145.8	10430	79	955	2.254
4000	NMK 560L4L	1826	1489	96.8	96.9	0.89	0.87	447	123	25657	2.5	153.1	10700	79	994	2.439
4500	NMK 630L4L	2235	1489	96.7	96.9	0.89	0.88	503	123	28860	2.2	196.8	11910	76	1905	1.445
5000	NMK 630L4L	2236	1489	96.9	97.1	0.90	0.89	555	130	32058	2.2	211.9	12500	76	1917	1.591
5600	NMK 630L4L	2237	1490	97.1	97.2	0.90	0.89	620	147	35892	2.3	227.0	13080	76	1926	1.769
6300	NMK 630L4L	2238	1490	97.2	97.3	0.90	0.89	692	159	40365	2.3	249.6	13960	76	1919	1.993
7100	NMK 630L4L	2239	1491	97.2	97.4	0.90	0.88	784	193	45485	2.4	269.2	14580	76	1913	2.247
8000	NMK 710L4L	10239	1489	96.9	97.1	0.89	0.91	890	139	51309	1.7	385.7	15760	80	2528	1.983
9000	NMK 710L4L	10240	1490	97.0	97.2	0.90	0.91	994	159	57684	1.7	423.5	16710	80	2470	2.267
10000	NMK 710L4L	10241	1491	97.2	97.4	0.90	0.91	1095	197	64063	2.0	489.1	17660	80	2680	2.291
1000 r/min = 6 poles																
6000 V 50 Hz																
2240	NMK 560L6L	1827	991	96.3	96.4	0.87	0.85	258	79	21590	2.3	170.4	9070	77	794	1.719
2500	NMK 560L6L	1828	991	96.4	96.6	0.87	0.86	285	81	24099	2.2	184.8	9540	77	818	1.865
2800	NMK 560L6L	1829	991	96.4	96.6	0.87	0.85	321	95	26982	2.3	192.0	9740	77	840	2.033
3150	NMK 560L6L	1830	991	96.5	96.7	0.87	0.86	360	104	30350	2.3	206.5	10200	77	859	2.237
3550	NMK 560L6L	1831	991	96.6	96.8	0.87	0.85	406	121	34192	2.3	220.9	10650	77	870	2.483
4000	NMK 630L6L	2481	992	96.7	97.0	0.88	0.87	452	113	38507	2.1	295.7	13230	78	1703	1.440
4500	NMK 630L6L	2240	993	96.9	97.1	0.88	0.87	509	136	43295	2.2	314.5	13800	78	1696	1.619
5000	NMK 630L6L	2241	992	96.9	97.1	0.88	0.87	567	142	48118	2.0	333.3	14330	78	1779	1.724
5600	NMK 630L6L	2242	993	97.1	97.3	0.87	0.85	642	188	53852	2.2	342.8	14680	78	1768	1.928
6300	NMK 710L6L	10242	992	97.1	97.4	0.88	0.88	712	155	60638	1.9	437.0	15840	79	2254	1.732
7100	NMK 710L6L	10243	993	97.3	97.5	0.88	0.87	802	192	68283	2.0	476.6	16790	79	2185	1.996
8000	NMK 710L6L	10244	993	97.4	97.6	0.88	0.88	900	194	76956	1.9	516.1	17740	79	2281	2.167
8500	NMK 710L6L	10245	993	97.5	97.7	0.87	0.87	962	222	81744	1.9	529.2	18100	79	2283	2.296

Note: Rating list presents typical value of preliminary technical data on standard conditions.

Note: Ratings of special site conditions of ambient temperature up to 50 °C or down to -50 °C, altitude higher than 1000 m a.s.l on request.

Note: Accurate motor performance data will be given on specific requirements at the quotation phase.

Modular slip-ring motors, type NMK

Technical data

IP55, IC81W, insulation class F, temperature rise class B
6000 V, 50 Hz

Output (kW)	Motor type	Product ID	Speed (r/min)	Efficiency		Power factor		Current		Torque		Rotor inertia (kgm ²)	Motor weight (kg)	Sound pressure level <i>L_p</i> (dB(A))	Rotor current (A)	Rotor voltage (kV)
				Full load 100%	3/4 load 75%	Full load 100%	3/4 load 75%	<i>I_N</i> (A)	<i>I₀</i> (A)	<i>T_N</i> (Nm)	<i>T_{max}</i> <i>T_N</i> (pu)					
750 r/min = 8 poles																
6000 V 50 Hz																
1600	NMK 560L8L	1833	742	96.0	96.0	0.82	0.78	196	77	20595	2.2	171.8	9190	75	637	1.530
1800	NMK 560L8L	1834	742	96.1	96.2	0.82	0.79	219	85	23162	2.2	186.2	9650	75	644	1.701
2000	NMK 560L8L	1835	743	96.2	96.2	0.82	0.78	245	100	25716	2.4	200.6	10100	75	634	1.912
2240	NMK 560L8L	1836	743	96.1	96.2	0.82	0.78	275	111	28807	2.3	207.8	10260	75	668	2.037
2500	NMK 560L8L	1837	742	96.3	96.4	0.82	0.79	304	116	32160	2.2	222.2	10770	75	697	2.185
2800	NMK 560L8L	1838	742	96.3	96.4	0.82	0.78	343	133	36018	2.2	229.4	10980	75	727	2.346
3150	NMK 630L8L	2243	742	96.3	96.5	0.85	0.83	371	120	40512	2.1	341.3	14410	75	1297	1.486
3550	NMK 630L8L	2244	743	96.4	96.6	0.85	0.83	418	134	45653	2.1	360.8	14990	75	1340	1.620
4000	NMK 710L8L	10246	743	97.0	97.2	0.85	0.83	470	138	51390	1.9	419.9	14860	75	1805	1.368
4500	NMK 710L8L	10247	743	97.0	97.3	0.85	0.84	528	147	57822	1.9	446.7	15460	75	1879	1.483
5000	NMK 710L8L	10248	743	97.1	97.4	0.85	0.84	586	164	64236	1.9	473.5	16070	75	1914	1.618
5600	NMK 710L8L	10249	743	97.2	97.4	0.84	0.83	658	190	71925	1.9	500.2	16660	75	1948	1.777
6300	NMK 710L8L	10250	744	97.2	97.5	0.84	0.83	740	213	80899	1.9	540.4	17470	75	1972	1.974

Note: Rating list presents typical value of preliminary technical data on standard conditions.

Note: Ratings of special site conditions of ambient temperature up to 50 °C or down to -50 °C, altitude higher than 1000 m a.s.l on request.

Note: Accurate motor performance data will be given on specific requirements at the quotation phase.

Modular slip-ring motors, type NMK

Technical data

IP55, IC81W, insulation class F, temperature rise class B
11000 V, 50 Hz

Output (kW)	Motor type	Product ID	Speed (r/min)	Efficiency		Power factor		Current		Torque		Rotor inertia (kgm ²)	Motor weight (kg)	Sound pressure level <i>L_p</i> (dB(A))	Rotor current (A)	Rotor voltage (kV)
				Full load 100%	3/4 load 75%	Full load 100%	3/4 load 75%	<i>I_N</i> (A)	<i>I₀</i> (A)	<i>T_N</i> (Nm)	<i>T_{max}</i> <i>T_N</i> (pu)					
1500 r/min = 4 poles				11000 V 50 Hz												
2240	NMK 560L4L	1718	1489	96.4	96.4	0.89	0.87	137	39	14370	2.6	121.2	9220	79	809	1.679
2500	NMK 560L4L	1719	1488	96.3	96.4	0.89	0.87	153	42	16039	2.6	126.1	9380	79	848	1.790
2800	NMK 560L4L	1720	1488	96.6	96.7	0.89	0.87	171	47	17963	2.5	131.0	9680	79	885	1.918
3150	NMK 560L4L	1721	1488	96.5	96.7	0.89	0.87	192	53	20209	2.5	135.9	9870	79	926	2.064
3550	NMK 560L4L	1722	1489	96.5	96.6	0.89	0.87	218	62	22772	2.5	143.2	10120	79	965	2.233
3800	NMK 560L4L	1723	1487	96.5	96.7	0.90	0.89	231	55	24395	2.3	148.2	10350	79	1037	2.239
4000	NMK 630L4L	2165	1489	96.6	96.7	0.89	0.88	246	58	25645	2.0	217.7	11910	76	1055	2.333
4500	NMK 630L4L	2166	1490	96.7	96.8	0.88	0.87	277	74	28832	2.2	210.8	12400	76	1764	1.558
5000	NMK 630L4L	2167	1490	96.9	97.0	0.88	0.87	307	79	32040	2.1	218.3	12790	76	1858	1.644
5600	NMK 630L4L	2168	1491	97.0	97.1	0.89	0.88	341	83	35872	2.1	240.5	13650	76	1840	1.855
6300	NMK 630L4L	2169	1491	97.0	97.1	0.89	0.88	385	95	40360	2.1	250.7	13860	76	1947	1.976
7100	NMK 710L4L	10157	1489	96.6	96.8	0.89	0.90	432	80	45528	1.8	370.7	15230	80	2282	1.935
8000	NMK 710L4L	10158	1490	96.9	97.0	0.90	0.90	484	93	51260	2.0	408.8	16230	80	2209	2.234
9000	NMK 710L4L	10159	1490	97.0	97.1	0.90	0.90	543	100	57668	1.9	434.2	16890	80	2294	2.421
1000 r/min = 6 poles				11000 V 50 Hz												
2000	NMK 560L6L	1724	990	95.9	96.1	0.87	0.85	127	38	19293	2.2	156.0	8570	77	810	1.514
2240	NMK 560L6L	1725	991	96.0	96.2	0.87	0.85	140	42	21581	2.3	184.8	9410	77	750	1.823
2500	NMK 560L6L	1726	991	96.3	96.4	0.87	0.85	156	46	24085	2.3	192.0	9690	77	781	1.952
2800	NMK 560L6L	1727	991	96.2	96.4	0.87	0.85	175	52	26974	2.3	199.3	9860	77	814	2.101
3150	NMK 560L6L	1728	991	96.3	96.5	0.87	0.85	198	61	30342	2.3	206.5	10090	77	846	2.272
3520	NMK 560L6L	2498	991	96.4	96.6	0.87	0.85	221	66	33903	2.3	220.9	10540	77	866	2.480
3550	NMK 630L6L	2528	992	96.5	96.6	0.87	0.85	223	67	34158	2.3	304.7	12560	78	901	2.403
4000	NMK 630L6L	2170	992	96.6	96.8	0.87	0.86	250	67	38517	2.0	315.5	12890	78	991	2.478
4500	NMK 630L6L	2171	992	96.7	96.9	0.87	0.85	282	79	43313	2.1	314.2	13700	78	1676	1.642
5000	NMK 630L6L	2172	992	96.8	97.0	0.87	0.86	311	85	48115	2.1	342.6	14510	78	1680	1.818
5600	NMK 710L6L	10160	992	96.9	97.2	0.87	0.87	347	87	53912	2.0	408.3	15090	79	2084	1.653
6300	NMK 710L6L	10161	993	97.2	97.3	0.87	0.85	392	110	60593	2.2	448.3	16080	79	1995	1.926
7100	NMK 710L6L	10162	993	97.2	97.4	0.87	0.85	442	124	68284	2.2	474.9	16670	79	2064	2.100
8000	NMK 710L6L	10163	993	97.3	97.5	0.87	0.86	495	132	76937	2.1	514.9	17620	79	2113	2.312

Note: Rating list presents typical value of preliminary technical data on standard conditions.

Note: Ratings of special site conditions of ambient temperature up to 50 °C or down to -50 °C, altitude higher than 1000 m a.s.l on request.

Note: Accurate motor performance data will be given on specific requirements at the quotation phase.

Modular slip-ring motors, type NMK

Technical data

IP55, IC81W, insulation class F, temperature rise class B
11000 V, 50 Hz

Output (kW)	Motor type	Product ID	Speed (r/min)	Efficiency		Power factor		Current		Torque		Rotor inertia (kgm ²)	Motor weight (kg)	Sound pressure level <i>L_p</i> (dB(A))	Rotor current (A)	Rotor voltage (kV)
				Full load 100%	3/4 load 75%	Full load 100%	3/4 load 75%	<i>I_N</i> (A)	<i>I₀</i> (A)	<i>T_N</i> (Nm)	<i>T_{max}</i> <i>T_N</i> (pu)					
750 r/min = 8 poles				11000 V 50 Hz												
1120	NMK 560L8L	1730	741	95.2	95.4	0.84	0.81	74	26	14429	2.2	164.6	8890	75	561	1.230
1250	NMK 560L8L	1731	742	95.4	95.5	0.84	0.81	82	29	16097	2.2	171.8	9120	75	573	1.341
1400	NMK 560L8L	1732	742	95.5	95.7	0.83	0.80	93	34	18019	2.2	179.0	9350	75	582	1.474
1600	NMK 560L8L	1733	742	95.7	95.9	0.84	0.81	105	37	20604	2.1	186.2	9570	75	629	1.563
1800	NMK 560L8L	1734	742	95.8	96.0	0.82	0.79	120	46	23156	2.2	193.4	9800	75	626	1.755
2000	NMK 560L8L	1735	743	96.0	96.1	0.82	0.78	133	53	25708	2.3	215.0	10470	75	605	2.006
2240	NMK 560L8L	1736	743	95.9	96.0	0.81	0.76	152	66	28785	2.4	215.0	10430	75	632	2.150
2500	NMK 630L8L	2173	743	96.1	96.2	0.84	0.81	163	58	32135	2.2	317.0	12960	75	703	2.170
2800	NMK 630L8L	2174	743	96.1	96.3	0.85	0.82	181	59	36005	2.0	349.5	13800	75	729	2.354
3150	NMK 630L8L	2175	742	96.1	96.4	0.85	0.83	203	65	40515	2.0	341.0	14350	75	1304	1.483
3550	NMK 710L8L	10164	743	96.6	96.9	0.84	0.83	228	68	45651	1.9	391.2	14070	75	1750	1.255
4000	NMK 710L8L	10165	742	96.7	97.0	0.85	0.84	256	71	51448	1.8	418.2	14670	75	1826	1.362
4500	NMK 710L8L	10166	743	96.9	97.2	0.85	0.84	288	80	57824	1.8	446.7	15300	75	1883	1.483
5000	NMK 710L8L	10167	743	97.0	97.3	0.85	0.85	319	84	64243	1.8	486.9	16190	75	1902	1.634
5600	NMK 710L8L	10168	743	97.1	97.4	0.85	0.85	356	93	71933	1.8	527.0	17060	75	1915	1.817

Note: Rating list presents typical value of preliminary technical data on standard conditions.

Note: Ratings of special site conditions of ambient temperature up to 50 °C or down to -50 °C, altitude higher than 1000 m a.s.l on request.

Note: Accurate motor performance data will be given on specific requirements at the quotation phase.