



## SCHLEIFRING DREHSTROM-HOCHSPANNUNGS-MOTOREN

Kühlart: IC611, Luft-Luft-Kühlung

## SLIP RING THREE - PHASE HIGH VOLTAGE MOTORS

Cooling Method: IC611, Air-Air

## MOTEURS DE HAUTE TENSION DE TROIS PHASE

Méthode de refroidissement IC611, air-air de refroidissement



### 6.6kV - 50 Hz - CL F - IP23

Typ	Nennleistung	N-strom 6.6 kV	Nenn- drehzahl	Wirkungs- grad	Leistungs- faktor	Kipp- moment	Rotor Spannung	Rotor Strom		Gewicht
Type	Rated output	Current 6.6 kV	Rated speed	Efficiency %	Power factor	B-down Torque	Rotor Voltage	Rotor Current	Jmotor	Weight
Type	Puissance nominale	Intensité 6.6 kV	Vitesse nominale	Rendement %	Facteur de puissance	Couple maximal	Voltage Rotor	Courent Rotor		Masse

	KW	A	r/min	%	cos Φ	MK / MN	V	A	kg.m2	kg
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#### 4 Polig / 4 Pole / 4 Pôle

HJSR355A-4	185	22	1473	92.1	0.88	2.9	379	315	5	3070
HJSR355B-4	200	24	1475	92.3	0.88	3.0	422	304	5	3170
HJSR355C-4	220	26	1478	92.5	0.88	3.2	474	295	6	3280
HJSR355D-4	250	29	1475	92.7	0.89	2.8	474	337	6	3310
HJSR400A-4	280	33	1477	92.8	0.89	2.5	474	379	10	3610
HJSR400B-4	315	37	1479	93.1	0.89	2.4	542	370	11	3740
HJSR400C-4	355	42	1482	93.4	0.88	2.3	632	355	12	3870
HJSR400D-4	400	49	1485	93.7	0.85	2.4	739	341	13	3990
HJSR400E-4	450	54	1483	94.0	0.86	2.7	739	384	13	4110
HJSR450A-4	500	57	1479	94.6	0.90	2.8	632	498	16	4860
HJSR450B-4	560	63	1480	94.9	0.91	2.8	690	510	17	5030
HJSR450C-4	630	71	1481	95.1	0.91	2.9	759	520	19	5200
HJSR450D-4	710	79	1481	95.4	0.91	2.8	843	526	22	5540
HJSR500A-4	800	93	1480	94.4	0.88	2.1	672	759	29	6280
HJSR500B-4	900	104	1481	94.5	0.88	2.1	739	774	31	6480
HJSR500C-4	1000	113	1482	94.7	0.89	2.2	821	771	34	6650
HJSR500D-4	1120	125	1483	94.8	0.89	2.2	924	766	40	6810
HJSR560A-4	1250	141	1486	94.8	0.90	2.6	1012	776	60	8000
HJSR560B-4	1400	157	1486	94.9	0.90	2.5	1084	810	65	8250
HJSR560C-4	1600	178	1486	95.1	0.91	2.4	1167	859	69	8470
HJSR560D-4	1800	199	1487	95.3	0.91	2.5	1322	851	78	8650
HJSR630A-4	2000	222	1485	95.4	0.91	2.4	1394	860	121	10650
HJSR630B-4	2240	248	1486	95.6	0.91	2.4	1549	862	131	11050
HJSR630C-4	2500	276	1488	95.7	0.91	2.5	1745	850	149	11750
HJSR630D-4	2800	309	1488	95.8	0.91	2.5	1994	851	168	12500
HJSR630E-4	3150	347	1488	96.0	0.91	2.5	2151	888	187	13200
HJSR710A-4	3150	349	1490	96.3	0.90	2.6	/	/	211	13800
HJSR710B-4	3550	393	1490	96.5	0.90	2.5	/	/	243	14350
HJSR710C-4	4000	442	1491	96.6	0.90	2.5	/	/	259	14980
HJSR800C-4	4500	501	1491	96.6	0.89	2.5	/	/	291	15600
HJSR800B-4	5000	551	1492	96.9	0.90	2.8	/	/	397	18900
HJSR800C-4	5600	612	1493	97.1	0.90	2.8	/	/	480	19980
HJSR900A-4	6300	690	1492	97.0	0.91	2.8	/	/	510	24900
HJSR900B-4	7100	776	1493	97.2	0.91	3.0	/	/	566	25750
HJSR900C-4	8000	875	1493	97.2	0.91	2.7	/	/	677	26300





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Cooling Method: IC611, Air-Air

### MOTEURS DE HAUTE TENSION DE TROIS PHASE

Méthode de refroidissement IC611, air-air de refroidissement



#### 6.6kV - 50 Hz - CL F - IP23

Typ	Nennleistung	N-strom 6.6 kV	Nenn- drehzahl	Wirkungs- grad	Leistungs- faktor	Kipp- moment	Rotor Spannung	Rotor Strom		Gewicht
Type	Rated output	Current 6.6 kV	Rated speed	Efficiency %	Power factor	B-down Torque	Rotor Voltage	Rotor Current	Jmotor	Weight
Type	Puissance nominale	Intensité 6.6 kV	Vitesse nominale	Rendement %	Facteur de puissance	Couple maximal	Voltage Rotor	Courent Rotor		Masse

	KW	A	r/min	%	cos Φ	MK / MN	V	A	kg.m2	kg
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#### 6 Polig / 6 Pole / 6 Pôle

HJSR400A-6	185	23	983	92.1	0.85	2.8	410	294	13	3640
HJSR400B-6	200	25	982	92.1	0.85	2.6	410	318	13	3670
HJSR400C-6	220	28	984	92.4	0.83	2.9	456	313	13	3770
HJSR400D-6	250	32	985	92.7	0.83	3.0	513	315	14	3900
HJSR400E-6	280	35	983	92.8	0.84	2.6	513	355	14	3930
HJSR400F-6	315	39	984	93.1	0.85	2.6	586	347	17	4020
HJSR400G-6	355	45	986	93.2	0.82	2.9	652	351	17	4040
HJSR450A-6	400	49	985	93.4	0.85	2.4	602	423	29	5180
HJSR450B-6	450	54	986	93.6	0.86	2.4	652	439	31	5350
HJSR450C-6	500	60	986	93.7	0.86	2.4	712	446	33	5520
HJSR450D-6	560	67	987	94.0	0.86	2.4	783	453	36	5690
HJSR500A-6	630	75	985	94.8	0.86	2.3	712	644	42	6100
HJSR500B-6	710	86	985	95.0	0.86	2.3	783	658	49	6280
HJSR500C-6	800	96	986	95.2	0.86	2.4	870	663	52	6450
HJSR500D-6	900	105	987	95.4	0.86	2.4	979	652	55	6630
HJSR560A-6	1000	115	987	95.4	0.88	2.5	979	645	83	7880
HJSR560B-6	1120	118	987	95.6	0.88	2.5	1119	629	96	8020
HJSR560C-6	1250	130	988	95.8	0.88	2.6	1305	598	109	8320
HJSR560D-6	1400	144	989	96.1	0.88	2.8	1326	642	130	8490
HJSR630A-6	1600	186	991	95.4	0.87	2.5	1483	660	173	10750
HJSR630B-6	1800	208	991	95.6	0.87	2.5	1645	667	184	11050
HJSR630C-6	2000	231	991	95.8	0.87	2.5	1851	656	206	11700
HJSR630D-6	2240	258	991	96.0	0.87	2.6	2119	640	238	12500
HJSR710A-6	2240	263	991	96.5	0.85	3.7	/	/	310	13400
HJSR710B-6	2500	292	992	96.7	0.85	3.7	/	/	363	13970
HJSR710C-6	2800	324	992	96.8	0.85	3.7	/	/	399	14520
HJSR710D-6	3150	367	992	96.8	0.85	3.7	/	/	412	15300
HJSR800A-6	3550	412	993	96.8	0.85	3.0	/	/	408	18200
HJSR800B-6	4000	461	992	96.8	0.86	3.0	/	/	461	18750
HJSR800C-6	4500	526	992	96.9	0.86	3.3	/	/	514	19520
HJSR900A-6	5000	566	993	97.1	0.88	3.1	/	/	662	24300
HJSR900B-6	5600	627	993	97.2	0.88	3.0	/	/	750	24980
HJSR900C-6	6300	703	993	97.2	0.88	2.9	/	/	801	25630
HJSR1000A-6	7100	790	995	97.3	0.88	2.5	/	/	1110	31540
HJSR1000B-6	8000	892	995	97.4	0.88	2.5	/	/	1265	32260





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### 6.6kV - 50 Hz - CL F - IP23

Typ	Nennleistung	N-strom 6.6 kV	Nenn-drehzahl	Wirkungs-grad	Leistungs-faktor	Kipp-moment	Rotor Spannung	Rotor Strom		Gewicht
Type	Rated output	Current 6.6 kV	Rated speed	Efficiency %	Power factor	B-down Torque	Rotor voltage	Rotor current	Jmotor	Weight
Type	Puissance nominale	Intensité 6.6 kV	Vitesse nominale	Rendement %	Facteur de puissance	Couple maximal	Voltage Rotor	Courent Rotor		Masse
	KW	A	r/min	%	cos φ	MK / MN	V	A	kg.m2	kg

### 8 Polig / 8 Poles / 8 Pôles

HJSR400A-8	185	25	736	92.0	0.78	3.1	559	215	16	3660
HJSR400B-8	200	27	734	92.0	0.79	2.9	559	223	16	3680
HJSR400C-8	220	29	734	92.2	0.80	2.8	602	238	18	3770
HJSR400D-8	250	33	734	92.4	0.81	2.7	652	249	19	3880
HJSR400E-8	280	37	735	92.7	0.80	2.7	712	256	21	3990
HJSR450A-8	315	40	734	92.9	0.83	2.5	602	339	29	4800
HJSR450B-8	355	44	734	93.0	0.84	2.4	652	353	32	4970
HJSR450C-8	400	50	734	93.2	0.84	2.4	712	364	35	5140
HJSR450D-8	450	55	734	93.4	0.85	2.3	783	373	40	5480
HJSR500A-8	500	61	737	94.1	0.85	2.4	746	433	51	6050
HJSR500B-8	560	68	738	94.3	0.84	2.4	829	435	56	6190
HJSR500C-8	630	76	739	94.6	0.85	2.4	933	433	65	6450
HJSR500D-8	710	86	740	94.8	0.84	2.6	1066	425	70	6680
HJSR560A-8	800	95	737	94.6	0.87	2.0	912	573	104	7950
HJSR560B-8	900	107	738	94.6	0.86	2.1	1026	569	112	8110
HJSR560C-8	1000	118	739	94.9	0.86	2.2	1172	549	128	8320
HJSR560D-8	1120	132	740	94.9	0.86	2.2	1279	587	132	8530
HJSR630A-8	1250	147	739	95.0	0.86	2.6	1263	605	224	10050
HJSR630B-8	1400	165	739	95.2	0.86	2.6	1377	620	242	10400
HJSR630C-8	1600	188	740	95.5	0.86	2.6	1588	612	276	11200
HJSR630D-8	1800	211	740	95.6	0.86	2.6	1767	619	311	12000
HJSR710A-8	1800	219	743	96.1	0.82	2.8	/	/	342	13200





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#### 6.6kV - 50 Hz - CL F - IP23

Typ	Nennleistung	N-strom 6.6 kV	Nenn- drehzahl	Wirkungs- grad	Leistungs- faktor	Kipp- moment	Rotor Spannung	Rotor Strom	Jmotor	Gewicht
Type	Rated output	Current 6.6 kV	Rated speed	Efficiency %	Power factor	B-down Torque	Rotor voltage	Rotor current		Weight
Type	Puissance nominale	Intensité 6.6 kV	Vitesse nominale	Rendement %	Facteur de puissance	Couple maximal	Voltage Rotor	Courent Rotor		Masse
	KW	A	r/min	%	cos φ	MK / MN	V	A	kg.m2	kg

#### 10 Polig / 10 Poles / 10 Pôles

HJSR450A-10	185	25	586	91.8	0.78	2.9	559	216	29	4370
HJSR450B-10	200	27	586	92.2	0.79	2.9	602	216	32	4540
HJSR450C-10	220	29	587	92.4	0.79	2.9	652	219	35	4710
HJSR450D-10	250	33	587	92.7	0.80	2.8	712	228	38	4880
HJSR450E-10	280	37	587	92.9	0.80	2.8	783	232	41	5050
HJSR450F-10	315	42	588	93.0	0.78	2.9	870	235	43	5220
HJSR500A-10	355	45	589	93.3	0.82	2.2	712	328	55	6050
HJSR500B-10	400	51	589	93.5	0.82	2.2	783	335	60	6170
HJSR500C-10	450	57	589	93.7	0.81	2.2	870	339	65	6280
HJSR500D-10	500	63	590	94.0	0.82	2.3	979	333	75	6510
HJSR500E-10	560	70	591	94.2	0.82	2.4	1119	325	85	6730
HJSR560A-10	630	80	590	94.3	0.81	2.4	1044	391	110	7820
HJSR560B-10	710	89	590	94.7	0.81	2.5	1205	379	127	8020
HJSR560C-10	800	100	590	94.8	0.82	2.4	1305	394	144	8490
HJSR560D-10	900	110	590	94.9	0.83	2.5	1357	428	156	8660
HJSR630A-10	1000	121	591	94.9	0.84	2.5	1360	444	246	9900
HJSR630B-10	1120	135	591	95.0	0.84	2.4	1503	451	284	10500
HJSR630C-10	1250	150	592	95.2	0.84	2.5	1666	452	303	10800
HJSR630D-10	1400	168	592	95.4	0.84	2.5	1875	448	341	11500
HJSR630E-10	1600	192	592	95.6	0.84	2.5	2149	447	398	12600
HJSR710A-10	1600	195	593	95.1	0.82	2.8	/	/	447	13600
HJSR710B-10	1800	220	593	95.0	0.82	2.7	/	/	479	14100
HJSR710C-10	2000	242	593	95.2	0.82	2.8	/	/	521	14800
HJSR800A-10	2240	284	593	95.5	0.82	2.6	/	/	542	18750
HJSR800B-10	2500	317	593	95.6	0.82	2.6	/	/	613	19220
HJSR800C-10	2800	354	595	95.8	0.82	2.7	/	/	699	19830
HJSR900A-10	3150	385	594	96.1	0.82	2.5	/	/	862	23250
HJSR900B-10	3550	433	594	96.2	0.83	2.5	/	/	1010	23790
HJSR900C-10	4000	489	594	96.3	0.83	2.5	/	/	1069	24300
HJSR1000A-10	4500	540	594	96.4	0.83	2.7	/	/	1110	27400
HJSR1000B-10	5000	598	594	96.5	0.83	2.7	/	/	1221	28320
HJSR1000C-10	5600	669	593	96.7	0.84	2.7	/	/	1331	29700





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#### 6.6kV - 50 Hz - CL F - IP23

Typ	Nennleistung	N-strom 6.6 kV	Nenn- drehzahl	Wirkungs- grad	Leistungs- faktor	Kipp- moment	Rotor Spannung	Rotor Strom		Gewicht
Type	Rated output	Current 6.6 kV	Rated speed	Efficiency %	Power factor	B-down Torque	Rotor voltage	Rotor current	Jmotor	Weight
Type	Puissance nominale	Intensité 6.6 kV	Vitesse nominale	Rendement %	Facteur de puissance	Couple maximal	Voltage Rotor	Courent Rotor		Masse
	KW	A	r/min	%	cos φ	MK / MN	V	A	kg.m2	kg

#### 12 Polig / 12 Poles / 12 Pôles

HJSR450A-12	185	27	486	90.8	0.74	2.1	507	245	35	4380
HJSR450B-12	200	29	487	91.0	0.74	2.3	570	234	38	4550
HJSR450C-12	220	32	488	91.2	0.75	2.4	651	223	43	4890
HJSR450D-12	250	35	487	91.4	0.77	2.1	651	257	44	4900
HJSR450E-12	280	38	487	91.6	0.77	2.2	602	292	45	5200
HJSR500A-12	315	42	487	92.6	0.78	2.3	783	268	60	6120
HJSR500B-12	355	48	487	92.7	0.78	2.3	870	272	65	6340
HJSR500C-12	400	53	488	93.0	0.79	2.3	979	271	75	6480
HJSR500D-12	450	59	488	93.2	0.79	2.3	1119	265	85	6670
HJSR560A-12	500	67	490	93.3	0.77	2.7	979	299	114	8020
HJSR560B-12	560	77	489	93.4	0.77	2.4	1119	335	124	8230
HJSR560C-12	630	83	490	93.4	0.78	2.5	1305	326	133	8490
HJSR560D-12	710	96	491	93.4	0.78	2.7	1423	312	152	8620
HJSR630A-12	800	104	490	93.3	0.79	2.4	1354	360	260	10500
HJSR630B-12	900	117	491	93.4	0.79	2.5	1486	369	277	10800
HJSR630C-12	1000	130	491	93.5	0.79	2.5	1654	368	312	11400
HJSR630D-12	1120	146	492	93.5	0.79	2.5	1861	365	346	11950
HJSR710A-12	1120	138	493	95.1	0.82	2.7	/	/	368	13100
HJSR710B-12	1250	153	492	95.1	0.82	2.6	/	/	408	13610
HJSR710C-12	1400	169	492	95.2	0.82	2.6	/	/	463	14150
HJSR710D-12	1600	196	492	95.3	0.82	2.6	/	/	516	14650
HJSR800A-12	1800	225	493	95.1	0.81	2.6	/	/	647	18550
HJSR800B-12	2000	256	493	95.3	0.80	2.7	/	/	703	19020
HJSR800C-12	2240	279	493	95.4	0.81	2.7	/	/	789	19580
HJSR900A-12	2500	315	493	95.6	0.80	2.5	/	/	984	23570
HJSR900B-12	2800	354	494	95.7	0.79	2.5	/	/	1097	24100
HJSR900C-12	3150	401	494	95.8	0.79	2.6	/	/	1249	24680
HJSR1000A-12	3550	435	494	96.2	0.81	2.6	/	/	1445	26800
HJSR1000B-12	4000	500	494	96.3	0.81	2.6	/	/	1517	27510
HJSR1000C-12	4500	567	495	96.4	0.81	2.5	/	/	1738	28340





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### 6.6 kV - 50 Hz - CL F - IP23

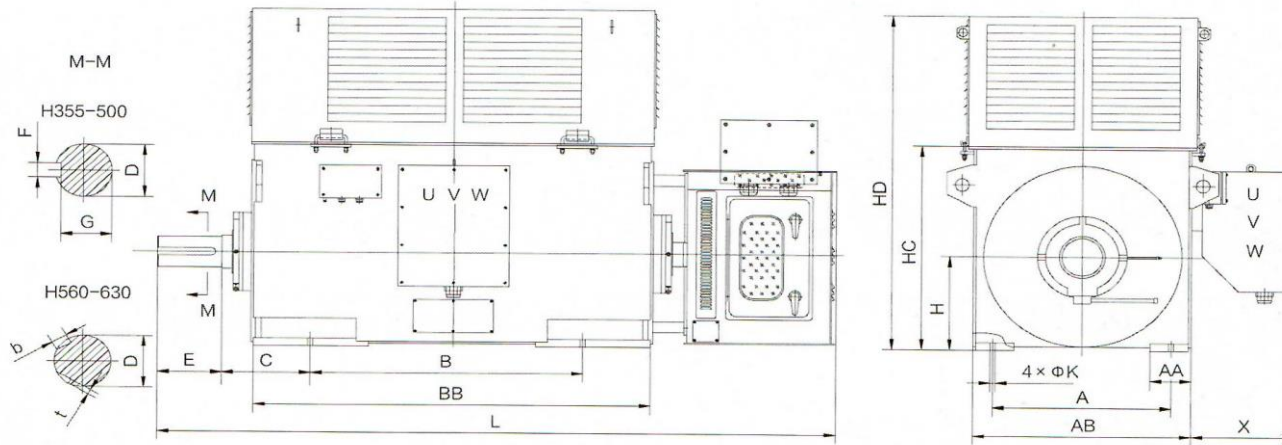
Typ	Nennleistung	N-strom 6.6 kV	Nenn- drehzahl	Wirkungs- grad	Leistungs- faktor	Kipp- moment	Rotor Spannung	Rotor Strom	J Motor	Gewicht
Type	Rated output	Current 6.6 kV	Rated speed	Efficiency %	Power factor	B-down Torque	Rotor voltage	Rotor current		Weight
Type	Puissance nominale	Intensité 6.6 kV	Vitesse nominale	Rendement %	Facteur de puissance	Couple maximal	Voltage Rotor	Courent Rotor		Masse
	KW	A	r/min	%	cos φ	MK / MN	V	A	kg.m2	kg

### 16 Polig / 16 Poles / 16 Pôles

HJSR710A-16	630	92	366	92.3	0.71	2.5	/	/	429	12700
HJSR710B-16	710	103	366	92.5	0.72	2.5	/	/	548	13170
HJSR710C-16	800	116	367	92.7	0.72	2.5	/	/	643	13480
HJSR710D-16	900	131	367	92.9	0.72	2.5	/	/	730	14160
HJSR800A-16	1000	139	367	93.3	0.74	2.5	/	/	739	17730
HJSR800B-16	1120	155	367	93.5	0.75	2.6	/	/	867	18470
HJSR800C-16	1250	172	368	93.8	0.75	2.6	/	/	998	19090
HJSR900A-16	1400	187	368	94.1	0.76	2.5	/	/	1167	23070
HJSR900B-16	1600	216	369	94.3	0.76	2.5	/	/	1361	23520
HJSR900C-16	1800	240	369	94.5	0.76	2.4	/	/	1477	24320
HJSR900D-16	2000	262	369	94.7	0.77	2.4	/	/	1589	24960
HJSR1000A-16	2240	290	369	95.4	0.78	2.7	/	/	1741	26600
HJSR1000B-16	2500	321	370	95.6	0.78	2.6	/	/	1894	27250
HJSR1000C-16	2800	356	370	95.8	0.79	2.7	/	/	2121	28120
HJSR1000D-16	3150	399	370	96.0	0.79	2.7	/	/	2428	28830

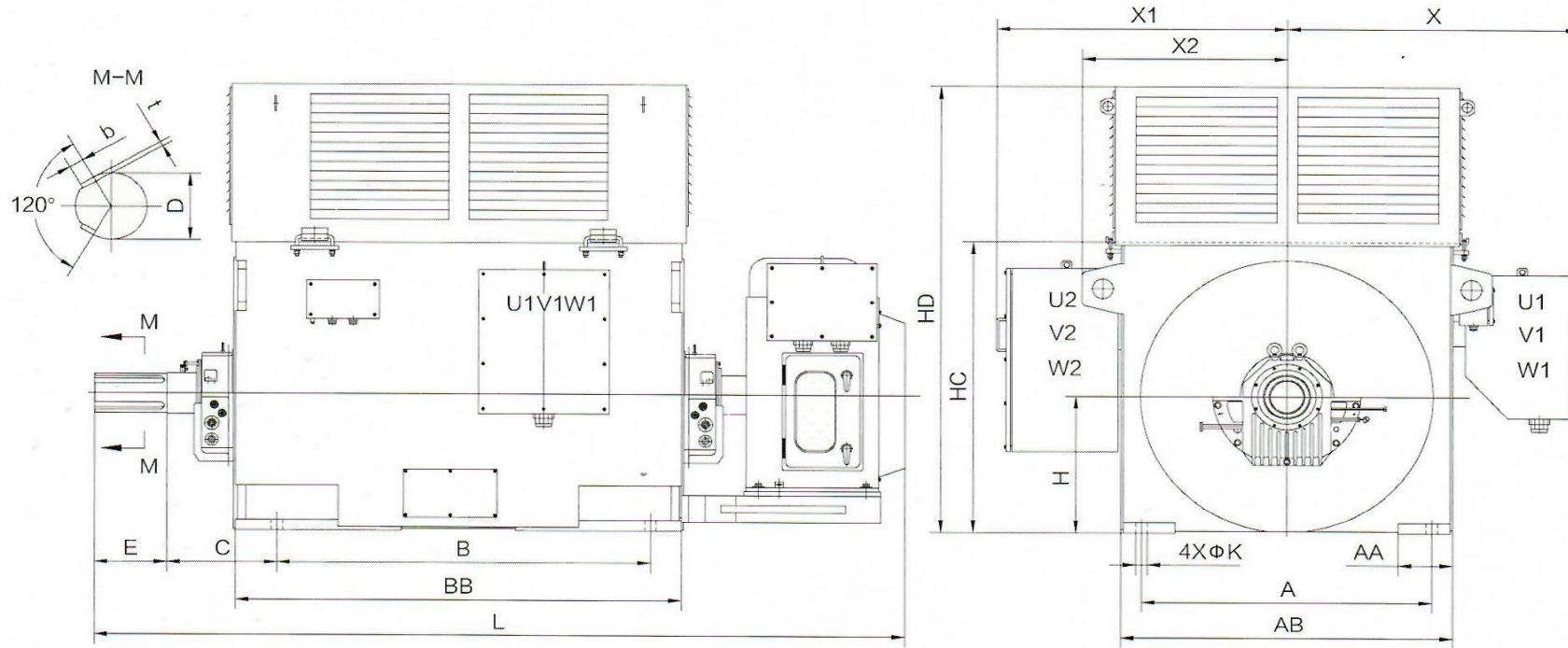


Overall mounting dimensions for HJPR 6.6 kV series of slipring high-voltage three-phase motors.



Frame	A	AB	B	AA	BB	C	D	E	F	G	t	b	H	K	HC	HD	L	X
HJPR355-4	630	800	900	160	1420	315	100	210	28	90	/	/	355	28	755	1485	2435	445
HJPR400-4-8	710	900	1000	170	1570	335	110	210	28	100	/	/	400	35	850	1665	2585	445
HJPR450-4	800	1000	1120	190	1720	355	120	210	32	109	/	/	450	35	950	1865	2750	445
HJPR450-6-12	800	1000	1120	190	1720	355	130	250	32	119	/	/	450	35	950	1865	2830	445
HJPR500-4	900	1120	1250	200	1820	475	130	250	32	119	/	/	500	42	1060	2500	2930	445
HJPR500-6-12	900	1120	1250	200	1820	475	140	250	36	128	/	/	500	42	1060	2500	2930	445
HJPR560-4	1000	1250	1400	230	1970	500	150	250	/	/	11.4	39.7	560	42	1185	2675	3150	510
HJPR560-6-12	1000	1250	1400	230	1970	500	160	300	/	/	12.4	42.8	560	42	1185	2675	3150	510
HJPR630-4	1120	1400	1600	240	2120	530	170	300	/	/	12.4	44.2	630	48	1330	2825	3340	510
HJPR630-6-12	1120	1400	1600	240	2120	530	180	300	/	/	12.4	45.6	630	48	1330	2825	3340	510

Overall mounting dimensions for HJPR 6.6kV series of slipring high-voltage three-phase motors.



Frame	A	B	C	AB	AA	BB	D	E	b	t	H	K	HC	HD	L	X	X1/X2
HJPR710-4..16	1400	1800	530	1600	262	2150/2330	200	350	51	14	710	56	1510	2400	4160	1400	1400/990
HJPR800-4..16	1600	2000	530	1800	292	2350/2500	220	350	57.1	16	800	56	1700	2600	4330	1500	1500/1090
HJPR900-4..16	1800	2000/2200	600	2000	302	2500/2700	250	410	64.6	18	900	66	1912	3000	4640	1600	1600/1188
HJPR1000-4..16	2000	2000/2200	600	2240	332	2500/2700	280	470	72.1	20	1000	66	2120	3400	4700	1720	1720/1308

Remark:

The size X2 is for the motor below 2000 kW with one T-box only, X1 is for the one above 2000 kW, with two T-boxes.

The size BB differs depending on the output of the motor.