



## SCHLEIFRING DREHSTROM-HOCHSPANNUNGS-MOTOREN

Kühlart: IC81W, Wasser-Luft-Kühlung

## SLIPRING THREE - PHASE HIGH VOLTAGE MOTORS

Cooling Method: IC81W, Water-Air

## MOTEURS DE HAUTE TENSION DE TROIS PHASE

Méthode de refroidissement IC81W, eau-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	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	1/min	%	cos Φ	MK / MN	V	A	kg.m2	kg
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#### 4 Polig / 4 Pole / 4 Pôle

HJWR355A-4	220	27	1473	92.7	0.87	3.0	422	337	5	3120
HJWR355B-4	250	30	1475	93.0	0.87	3.1	474	339	6	3230
HJWR355C-4	280	33	1472	93.1	0.88	2.7	474	381	6	3260
HJWR355D-4	315	37	1475	93.2	0.88	2.9	542	373	7	3330
HJWR400A-4	355	42	1471	93.3	0.88	2.4	474	382	10	3560
HJWR400B-4	400	47	1474	93.8	0.88	2.6	542	471	11	3690
HJWR400C-4	450	53	1478	94.2	0.88	2.9	632	450	12	3820
HJWR400D-4	500	59	1481	94.5	0.88	3.3	739	426	13	3940
HJWR400E-4	560	65	1479	94.5	0.88	2.9	739	479	14	3950
HJWR450A-4	630	73	1474	94.5	0.89	2.3	632	636	16	4760
HJWR450B-4	710	82	1474	94.7	0.89	2.2	690	656	17	4930
HJWR450C-4	800	92	1475	94.9	0.89	2.3	759	670	19	5100
HJWR450D-4	900	102	1476	95.1	0.89	2.2	843	677	22	5440
HJWR500A-4	1000	113	1479	95.4	0.90	1.9	739	868	31	6000
HJWR500B-4	1120	126	1480	95.6	0.90	2.0	821	871	34	6250
HJWR500C-4	1250	140	1482	95.8	0.90	2.1	924	859	37	6410
HJWR500D-4	1400	156	1484	95.9	0.90	2.2	1056	838	43	6680
HJWR560A-4	1600	178	1484	95.8	0.91	2.3	1084	932	64	8000
HJWR560B-4	1800	198	1483	95.9	0.91	2.1	1167	975	73	8210
HJWR560C-4	2000	221	1485	96.2	0.91	2.3	1322	950	79	8400
HJWR630A-4	2240	248	1483	95.7	0.91	2.2	1394	993	121	9950
HJWR630B-4	2500	276	1484	95.8	0.91	2.3	1549	992	131	10300
HJWR630C-4	2800	309	1485	95.9	0.91	2.3	1745	983	149	11000
HJWR630D-4	3150	347	1486	96.0	0.91	2.4	1995	962	168	11700
HJWR630E-4	3550	390	1486	96.2	0.91	2.4	2151	1006	187	12500





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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	1/min	%	cos Φ	MK / MN	V	A	kg.m2	kg
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**6 Polig / 6 Pole / 6 Pôles**

HJWR400A-6	220	28	981	92.5	0.84	2.6	410	350	12	3460
HJWR400B-6	250	31	982	92.7	0.84	2.6	456	357	13	3590
HJWR400C-6	280	35	983	93.1	0.84	2.6	513	353	14	3620
HJWR400D-6	315	39	981	93.0	0.85	2.3	513	400	14	3720
HJWR400E-6	355	44	983	93.3	0.84	2.5	586	393	16	3850
HJWR400F-6	400	50	984	93.5	0.84	2.6	652	396	17	3980
HJWR450A-6	450	55	982	94.1	0.85	2.0	559	523	26	4910
HJWR450B-6	500	60	982	94.3	0.85	1.9	602	539	29	5080
HJWR450C-6	560	67	982	94.5	0.86	1.9	652	557	31	5250
HJWR450D-6	630	75	982	94.7	0.86	1.9	712	574	33	5420
HJWR500A-6	710	84	983	94.4	0.87	2.0	652	707	38	5800
HJWR500B-6	800	94	983	94.6	0.87	2.0	712	729	42	5920
HJWR500C-6	900	105	984	94.8	0.87	2.0	783	744	46	6230
HJWR500D-6	1000	117	985	95.1	0.87	2.1	870	741	49	6420
HJWR560A-6	1120	128	985	95.5	0.88	2.2	862	733	82	7820
HJWR560B-6	1250	142	986	95.6	0.89	2.3	979	728	87	7990
HJWR560C-6	1400	160	988	95.7	0.88	2.5	1119	707	99	8130
HJWR560D-6	1600	180	988	95.8	0.89	2.5	1305	674	113	8270
HJWR630A-6	1800	206	986	95.6	0.88	2.4	1483	746	173	9850
HJWR630B-6	2000	229	987	95.7	0.88	2.4	1645	745	184	10150
HJWR630C-6	2240	256	987	95.8	0.88	2.4	1851	739	206	10750
HJWR630D-6	2500	285	988	95.9	0.88	2.5	2119	718	238	11500





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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	1/min	%	cos Ø	MK / MN	V	A	kg.m2	kg
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### 8 Polig / 8 Pole / 8 Pôle

HJWR400A-8	220	29	734	92.5	0.80	2.8	602	237	18	3720
HJWR400B-8	250	33	734	92.7	0.81	2.7	652	249	19	3830
HJWR400C-8	280	36	735	92.9	0.80	2.7	712	255	21	3940
HJWR400D-8	315	40	733	92.7	0.82	2.4	712	290	21	3970
HJWR450A-8	355	45	732	93.1	0.83	2.2	602	386	29	4530
HJWR450B-8	400	50	732	93.2	0.83	2.1	652	402	32	4750
HJWR450C-8	450	56	732	93.4	0.83	2.1	712	414	35	5040
HJWR450D-8	500	62	733	93.6	0.83	2.2	783	417	37	5210
HJWR500A-8	560	68	736	94.0	0.85	2.1	746	489	51	5880
HJWR500B-8	630	76	736	94.2	0.85	2.2	829	494	56	6010
HJWR500C-8	710	85	737	94.4	0.86	2.1	933	493	65	6320
HJWR500D-8	800	95	738	94.7	0.86	2.2	1066	483	75	6510
HJWR560A-8	900	108	738	94.6	0.85	2.2	1026	511	123	7720
HJWR560B-8	1000	123	739	94.8	0.83	2.5	1172	514	130	7880
HJWR560C-8	1120	140	739	95.1	0.85	2.7	1368	544	138	8030
HJWR560D-8	1250	149	740	95.2	0.84	2.5	1424	556	149	8210
HJWR630A-8	1400	165	738	94.8	0.86	2.4	1263	682	224	9150
HJWR630B-8	1600	188	738	95.0	0.86	2.4	1377	715	242	9500
HJWR630C-8	1800	211	738	95.3	0.86	2.5	1588	693	276	10250
HJWR630D-8	2000	235	739	95.4	0.86	2.5	1767	692	311	11000





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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	1/min	%	cos Φ	MK / MN	V	A	kg.m2	kg
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#### 10 Polig / 10 Pole / 10 Pôles

HJWR450A-10	220	30	583	91.5	0.78	2.4	559	260	29	4270
HJWR450B-10	250	34	583	91.7	0.78	2.3	602	275	32	4440
HJWR450C-10	280	34	582	91.9	0.78	2.1	652	286	36	4780
HJWR450D-10	315	42	583	92.2	0.79	2.2	712	293	38	4820
HJWR450E-10	355	47	583	92.4	0.79	2.2	783	300	40	4950
HJWR450F-10	400	55	584	92.6	0.79	2.3	870	303	43	5120
HJWR500A-10	450	55	587	93.4	0.85	1.8	783	383	65	6050
HJWR500B-10	500	61	588	93.6	0.84	1.9	870	381	70	6150
HJWR500C-10	560	70	589	93.8	0.83	2.0	979	377	75	6320
HJWR500D-10	630	78	589	94.1	0.83	2.1	1119	369	85	6420
HJWR560A-10	710	89	589	94.1	0.82	2.1	979	478	110	7820
HJWR560B-10	800	100	590	94.5	0.82	2.2	1119	468	127	7950
HJWR560C-10	900	112	590	94.8	0.83	2.1	1233	478	144	8220
HJWR560D-10	1000	123	590	94.7	0.83	2.1	1356	482	160	8410
HJWR630A-10	1120	134	590	94.8	0.85	2.4	1360	500	246	9000
HJWR630B-10	1250	149	590	94.9	0.85	2.4	1503	507	284	9550
HJWR630C-10	1400	167	591	95.1	0.85	2.5	1666	510	303	9900
HJWR630D-10	1600	190	591	95.3	0.85	2.4	1875	517	341	10650
HJWR630E-10	1800	213	591	95.5	0.85	2.5	2149	507	398	11650





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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

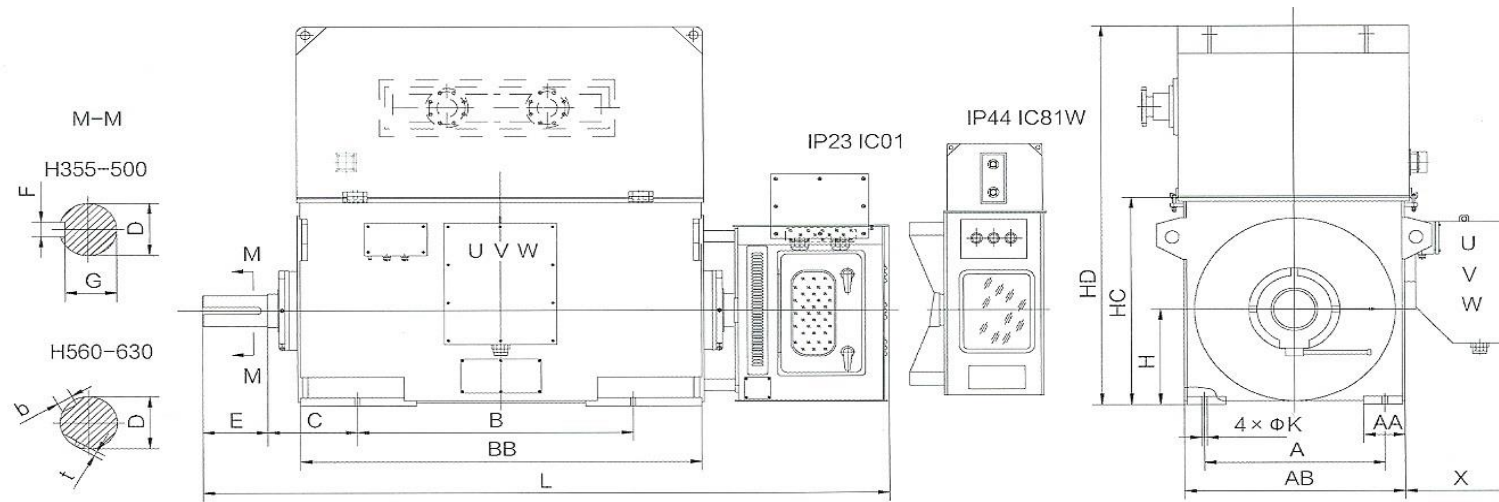
	KW	A	1/min	%	cos Φ	MK / MN	V	A	kg.m2	kg
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#### 12 Polig / 12 Pole / 12 Pôles

HJPR450A-12	220	34	487	90.6	0.72	2.2	570	259	35	4630
HJPR450B-12	250	37	487	90.8	0.73	2.2	651	256	40	4970
HJPR450C-12	280	40	485	91.7	0.74	2.0	651	291	40	5010
HJPR450D-12	315	45	485	91.9	0.74	2.0	602	335	40	5190
HJPR500A-12	355	47	485	92.3	0.80	2.1	783	300	60	6090
HJPR500B-12	400	53	485	92.5	0.79	2.1	870	309	65	6190
HJPR500C-12	450	58	486	92.7	0.80	2.1	979	310	75	6410
HJPR500D-12	500	65	487	92.8	0.80	2.1	1119	306	85	6560
HJPR560A-12	560	72	489	93.5	0.79	2.4	1119	140	140	8210
HJPR560B-12	630	82	490	93.8	0.79	2.5	1305	312	145	8420
HJPR560C-12	710	90	491	94.0	0.80	2.6	1424	322	158	8580
HJPR630A-12	800	103	491	93.3	0.80	2.4	1246	395	242	9350
HJPR630B-12	900	116	491	93.4	0.80	2.4	1354	408	260	9600
HJPR630C-12	1000	129	491	93.5	0.80	2.3	1486	412	277	9900
HJPR630D-12	1120	144	492	93.6	0.80	2.3	1654	414	312	10450
HJPR630E-12	1250	161	492	93.7	0.80	2.3	1861	410	346	10950



Overall mounting dimensions for HJWR (6.6kV / 11kV) series of slipring high-voltage three-phase motors.

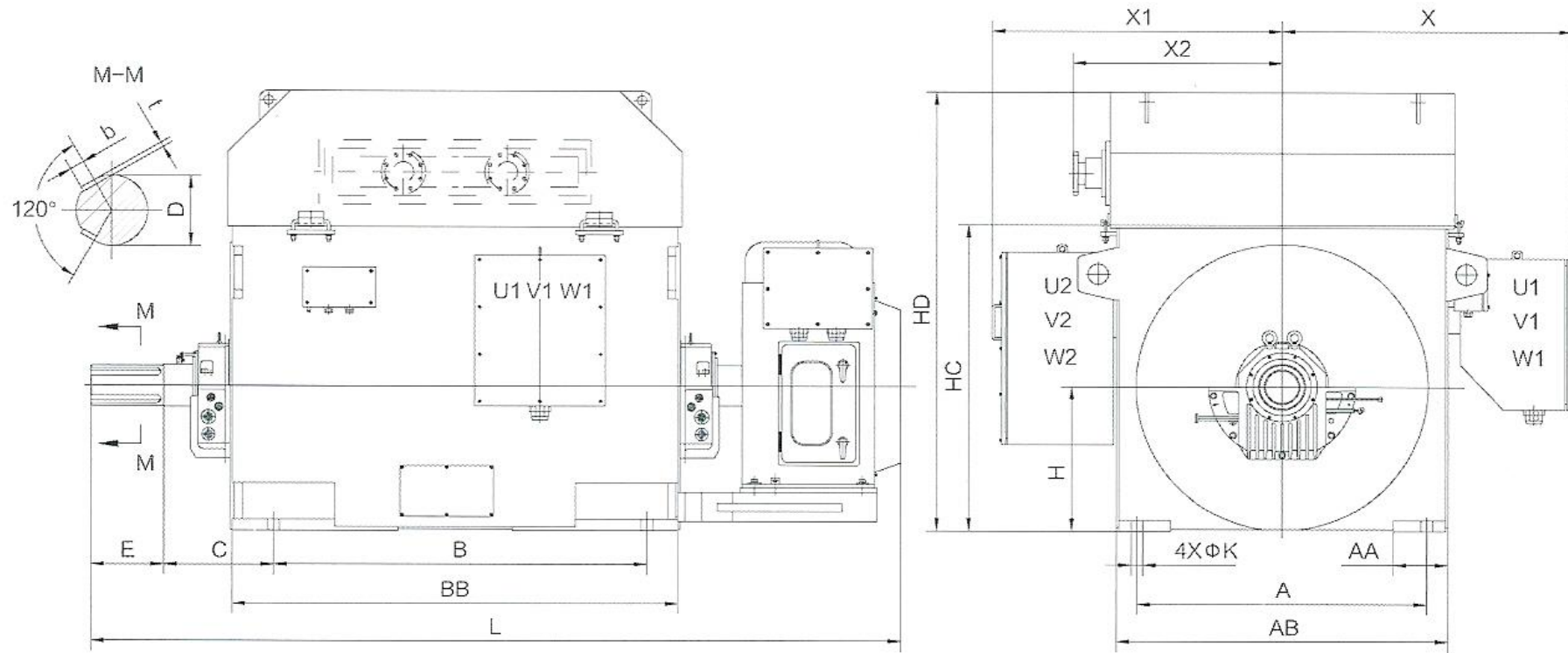


Frame	A	AB	B	AA	BB	C	D	E	F	G	t	b	H	K	HC	HD	L	X
HJWR355-4	630	800	900	160	1420	315	100	210	28	90	/	/	355	28	755	2100	2435	445
HJWR400-4-8	710	900	1000	170	1570	335	110	210	28	100	/	/	400	35	850	2200	2585	445
HJWR450-4	800	1000	1120	190	1720	355	120	210	32	109	/	/	450	35	950	2340	2750	445
HJWR450-6-12	800	1000	1120	190	1720	355	130	250	32	119	/	/	450	35	950	2340	2830	445
HJWR500-4	900	1120	1250	200	1820	475	130	250	32	119	/	/	500	42	1060	2500	2930	445
HJWR500-6-12	900	1120	1250	200	1820	475	140	250	36	128	/	/	500	42	1060	2500	2930	445
HJWR560-4	1000	1250	1400	230	1970	500	150	250	/	/	11.4	39.7	560	42	1185	2675	3150	510
HJWR560-6-12	1000	1250	1400	230	1970	500	160	300	/	/	12.4	42.8	560	42	1185	2675	3150	510
HJWR630-4	1120	1400	1600	240	2120	530	170	300	/	/	12.4	44.2	630	48	1330	2825	3340	510
HJWR630-6-12	1120	1400	1600	240	2120	530	180	300	/	/	12.4	45.6	630	48	1330	2825	3340	510

Overall mounting dimensions for HJWR (6.6kV / 11kV) series of slipring high-voltage three-phase motors.



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Frame	A	B	C	AB	AA	BB	D	E	b	t	H	K	HC	HD	L	X	X1/X2
HJWR710-4..16	1400	1800	530	1600	262	2150/2330	200	350	51	14	710	56	1510	2500	4160	1400	1400/990
HJWR800-4..16	1600	2000	530	1800	292	2350/2500	220	350	57.1	16	800	56	1700	2800	4330	1500	1500/1090
HJWR900-4..16	1800	2000/2200	600	2000	302	2500/2700	250	410	64.6	18	900	66	1912	3100	4640	1600	1600/1200
HJWR1000-4..16	2000	2000/2200	600	2240	332	2500/2700	280	470	72.1	20	1000	66	2120	3300	4700	1720	1720/1320

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.