



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



11kV - 50 Hz - CL F - IP23

Typ	Nennleistung	N-strom 11 kV	Nenn- drehzahl	Wirkungs- grad	Leistungs- faktor	Kipp- moment	Rotor Spannung	Rotor Strom		Gewicht
Type	Rated output	Current 11 kV	Rated speed	Efficiency %	Power factor	B-down Torque	Rotor voltage	Rotor current	Jmotor	Weight
Type	Puissance nominale	Intensité 11 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

4 Polig / 4 Poles / 4 Pôles

HJWR400A-4	200	16	1483	91.5	0.83	3.1	486	264	10	3520
HJWR400B-4	220	17	1482	91.8	0.84	3.2	486	290	10	3540
HJWR400C-4	250	19	1480	92.0	0.86	3.2	486	330	10	3560
HJWR400D-4	280	20	1480	92.7	0.87	3.2	527	340	11	3650
HJWR400E-4	315	24	1481	92.6	0.85	3.1	575	350	11	3680
HJWR400F-4	355	26	1481	93.0	0.85	3.1	632	357	12	3780
HJWR400G-4	400	30	1483	93.3	0.84	3.2	703	361	13	3910
HJWR400H-4	450	33	1481	93.4	0.86	3.1	703	408	13	3940
HJWR450A-4	500	35	1474	93.9	0.88	2.1	575	560	16	4760
HJWR450B-4	560	39	1475	94.3	0.88	2.1	632	568	17	4930
HJWR450C-4	630	45	1477	94.6	0.88	2.2	703	571	19	5100
HJWR450D-4	710	50	1479	94.9	0.88	2.3	790	568	20	5270
HJWR500A-4	800	56	1477	94.3	0.89	1.9	767	649	28	6010
HJWR500B-4	900	62	1478	94.7	0.89	2.0	820	681	31	6260
HJWR500C-4	1000	69	1480	94.9	0.89	2.1	949	651	34	6420
HJWR500D-4	1120	76	1482	95.1	0.90	2.2	1028	671	40	6700
HJWR560A-4	1250	85	1485	95.1	0.90	2.5	973	815	60	7750
HJWR560B-4	1400	95	1485	95.2	0.90	2.5	1054	541	69	7920
HJWR560C-4	1600	108	1485	95.4	0.90	2.5	1150	878	69	8160
HJWR560D-4	1800	122	1486	95.5	0.90	2.6	1265	896	73	8410
HJWR630A-4	2000	134	1484	95.5	0.90	2.4	1437	846	100	9750
HJWR630B-4	2240	150	1486	95.6	0.90	2.4	1536	887	109	10100
HJWR630C-4	2500	166	1486	95.7	0.91	2.5	1775	852	125	10850
HJWR630D-4	2800	185	1486	95.8	0.91	2.5	1922	880	134	11300





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Typ	Nennleistung	N-strom 11 kV	Nenn-drehzahl	Wirkungs-grad	Leistungs-faktor	Kipp-moment	Rotor Spannung	Rotor Strom		Gewicht
Type	Rated output	Current 11 kV	Rated speed	Efficiency %	Power factor	B-down Torque	Rotor voltage	Rotor current	Jmotor	Weight
Type	Puissance nominale	Intensité 11 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

6 Polig / 6 Pole / 6 Pôles

HJWR4400A-6	200	16	983	91.1	0.80	2.8	466	282	13	3730
HJWR4400B-6	220	17	983	91.5	0.81	2.8	502	287	15	3860
HJWR4400C-6	250	19	983	91.8	0.82	2.7	544	301	16	3990
HJWR4400D-6	280	22	984	92.2	0.82	2.7	593	308	17	4120
HJWR4450A-6	315	24	982	92.5	0.84	2.6	544	375	26	4910
HJWR4450B-6	355	27	979	92.4	0.84	2.3	544	426	26	4940
HJWR4450C-6	400	30	980	92.7	0.85	2.3	593	439	28	5080
HJWR4450D-6	450	33	980	93.0	0.85	2.4	652	447	31	5250
HJWR4450E-6	500	37	981	93.4	0.85	2.3	725	445	36	5590
HJWR4450F-6	560	41	983	93.7	0.85	2.5	816	441	38	5760
HJWR4500A-6	630	46	982	93.7	0.85	1.9	652	635	38	5600
HJWR4500B-6	710	51	981	93.9	0.85	1.9	724	640	41	5800
HJWR4500C-6	800	58	982	94.1	0.85	1.9	816	637	45	5950
HJWR4500D-6	900	64	983	94.4	0.85	1.9	932	634	49	6250
HJWR4560A-6	1000	70	985	94.6	0.87	2.1	932	687	56	7600
HJWR4560B-6	1120	77	985	94.7	0.88	2.2	1087	653	94	7830
HJWR4560C-6	1250	86	987	95.1	0.88	2.4	1243	635	107	8150
HJWR4560D-6	1400	95	985	95.2	0.89	2.2	1305	679	135	8280
HJWR4630A-6	1600	111	990	95.4	0.87	2.4	1148	860	163	9800
HJWR4630B-6	1800	125	990	95.5	0.87	2.5	1261	877	174	10100
HJWR4630C-6	2000	139	991	95.6	0.87	2.5	1404	874	198	10700
HJWR4630D-6	2240	155	991	95.7	0.87	2.5	1580	866	221	11300





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Typ	Nennleistung	N-strom 11 kV	Nenn-drehzahl	Wirkungs-grad	Leistungs-faktor	Kipp-moment	Rotor Spannung	Rotor Strom		Gewicht
Type	Rated output	Current 11 kV	Rated speed	Efficiency %	Power factor	B-down Torque	Rotor voltage	Rotor current	Jmotor	Weight
Type	Puissance nominale	Intensité 11 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 Pole / 8 Pôles

HJWR450A-8	200	16	735	92.1	0.81	2.6	488	267	27	4530
HJWR450B-8	220	17	733	92.0	0.82	2.3	488	296	27	4560
HJWR450C-8	250	19	731	91.9	0.83	2.0	488	341	27	4580
HJWR450D-8	280	21	730	92.0	0.83	2.0	526	354	29	4700
HJWR450E-8	315	25	730	92.3	0.83	1.9	570	368	32	4870
HJWR450F-8	355	28	731	92.5	0.83	1.9	622	379	35	5040
HJWR450G-8	400	30	731	92.8	0.84	1.9	684	388	37	5210
HJWR450H-8	450	34	732	93.0	0.83	2.0	760	391	40	5380
HJWR500A-8	500	40	737	93.1	0.81	1.8	725	454	53	5910
HJWR500B-8	560	43	737	93.5	0.81	1.8	816	449	58	6050
HJWR500C8	630	49	738	93.8	0.81	1.8	932	438	68	6350
HJWR500D-8	710	53	739	94.0	0.81	1.8	1087	421	78	6530
HJWR560A-8	800	59	739	94.2	0.82	2.0	932	494	91	7780
HJWR560B-8	900	64	739	94.4	0.84	2.1	1004	518	112	7920
HJWR560C-8	1000	72	739	94.7	0.84	2.1	1087	537	120	8080
HJWR560D-8	1120	79	739	94.8	0.83	2.1	1186	547	128	8330
HJWR630A-8	1250	90	740	94.6	0.85	2.3	1137	677	179	8750
HJWR630B-8	1400	100	740	94.8	0.85	2.3	1255	687	203	9400
HJWR630C-8	1600	115	741	94.9	0.85	2.4	1396	706	227	10050
HJWR630D-8	1800	129	741	95.1	0.85	2.5	1570	703	251	10650





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Typ	Nennleistung	N-strom 11 kV	Nenn- drehzahl	Wirkungs- grad	Leistungs- faktor	Kipp- moment	Rotor Spannung	Rotor Strom		Gewicht
Type	Rated output	Current 11 kV	Rated speed	Efficiency %	Power factor	B-down Torque	Rotor voltage	Rotor current	Jmotor	Weight
Type	Puissance nominale	Intensité 11 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 Pole / 10 Pôles

HJWR450A-10	200	19	586	91.3	0.70	2.5	507	267	30	4610
HJWR450B-10	220	20	586	91.5	0.71	2.5	543	274	32	4780
HJWR450C-10	250	22	586	91.6	0.73	2.4	585	289	35	4950
HJWR450D-10	280	25	586	91.8	0.73	2.3	633	299	38	5120
HJWR450E-10	315	28	586	92.0	0.72	2.3	691	309	40	5290
HJWR450F-10	355	31	586	92.2	0.73	2.3	631	352	42	5440
HJWR500A-10	400	32	585	92.1	0.75	2.0	633	383	65	6020
HJWR500B-10	450	36	585	92.6	0.75	1.9	691	395	69	6190
HJWR500C-10	500	41	586	92.8	0.75	2.0	760	404	74	6320
HJWR500D-10	560	45	586	93.1	0.76	1.9	845	450	83	6450
HJWR560A-10	630	48	590	93.2	0.79	2.3	1087	379	119	7730
HJWR560B-10	710	65	590	93.4	0.79	2.3	1186	392	127	7980
HJWR560C-10	800	62	590	93.7	0.81	2.2	1305	401	144	8200
HJWR560D-10	900	69	591	93.8	0.80	2.3	1450	405	152	8420
HJWR630A-10	1000	73	588	94.3	0.82	2.4	1241	492	211	8900
HJWR630B-10	1120	82	588	94.5	0.82	2.4	1382	494	237	9350
HJWR630C-10	1250	91	589	94.7	0.83	2.5	1554	488	263	9900
HJWR630D-10	1400	102	591	94.8	0.83	2.5	1781	476	303	10600
HJWR630E-10	1600	116	592	95.0	0.83	2.5	2082	464	356	11700





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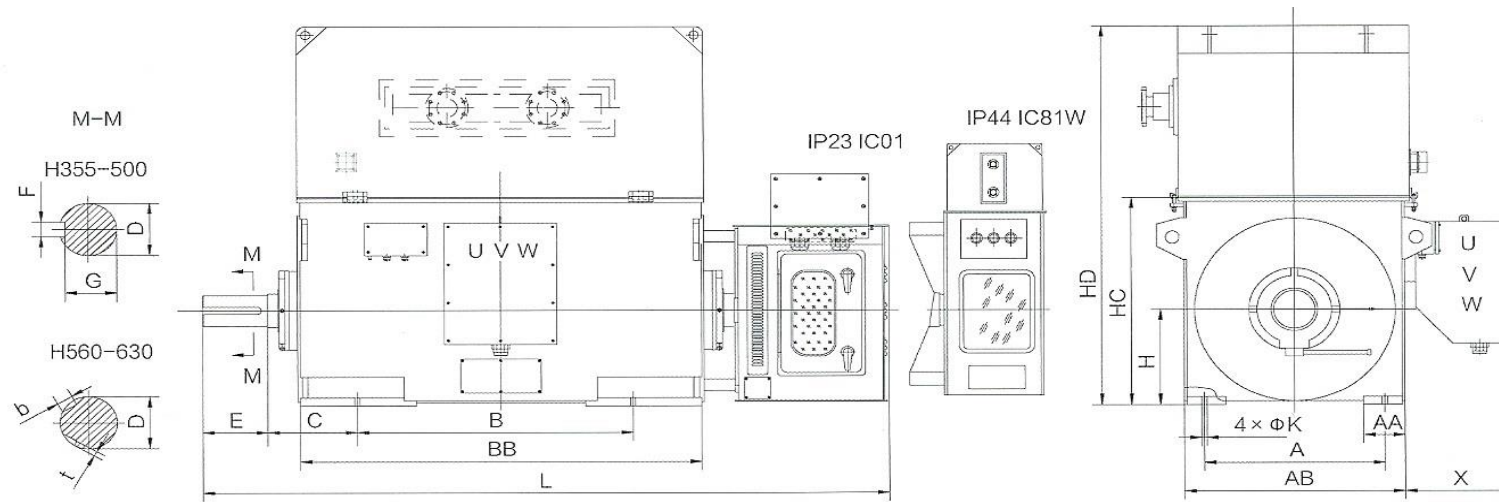
Typ	Nennleistung	N-strom 11 kV	Nenn-drehzahl	Wirkungs-grad	Leistungs-faktor	Kipp-moment	Rotor Spannung	Rotor Strom		Gewicht
Type	Rated output	Current 11 kV	Rated speed	Efficiency %	Power factor	B-down Torque	Rotor voltage	Rotor current	Jmotor	Weight
Type	Puissance nominale	Intensité 11 kV	Vitesse nominale	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 Pole / 12 Pôles

HJWR500A-12	200	18	488	90.4	0.72	2.3	495	248	50	5620
HJWR500B-12	220	20	488	90.7	0.73	2.3	543	250	55	5790
HJWR500C-12	250	22	488	91.0	0.73	2.2	585	255	60	5880
HJWR500D-12	280	25	488	91.3	0.73	2.2	633	268	65	6000
HJWR500E-12	315	28	489	91.4	0.73	2.2	691	275	70	6120
HJWR500F-12	355	31	489	91.9	0.74	2.2	760	281	75	6240
HJWR500G-12	400	34	489	92.0	0.74	2.2	844	284	85	6410
HJWR560A-12	450	39	490	92.0	0.74	2.4	760	351	114	7280
HJWR560B-12	500	42	490	92.2	0.73	2.4	844	354	123	7780
HJWR560C-12	560	46	491	92.5	0.74	2.5	950	348	142	7810
HJWR560D-12	630	52	490	92.6	0.76	2.2	950	394	152	8280
HJWR560E-12	710	58	490	92.9	0.76	2.3	1085	385	161	8420
HJWR630A-12	800	62	489	92.9	0.80	2.4	1238	398	257	9150
HJWR630B-12	900	70	490	93.1	0.80	2.5	1378	402	287	9600
HJWR630C-12	1000	77	490	93.3	0.80	2.5	1549	395	316	10150
HJWR630D-12	1120	86	491	93.5	0.80	2.5	1774	385	363	10750

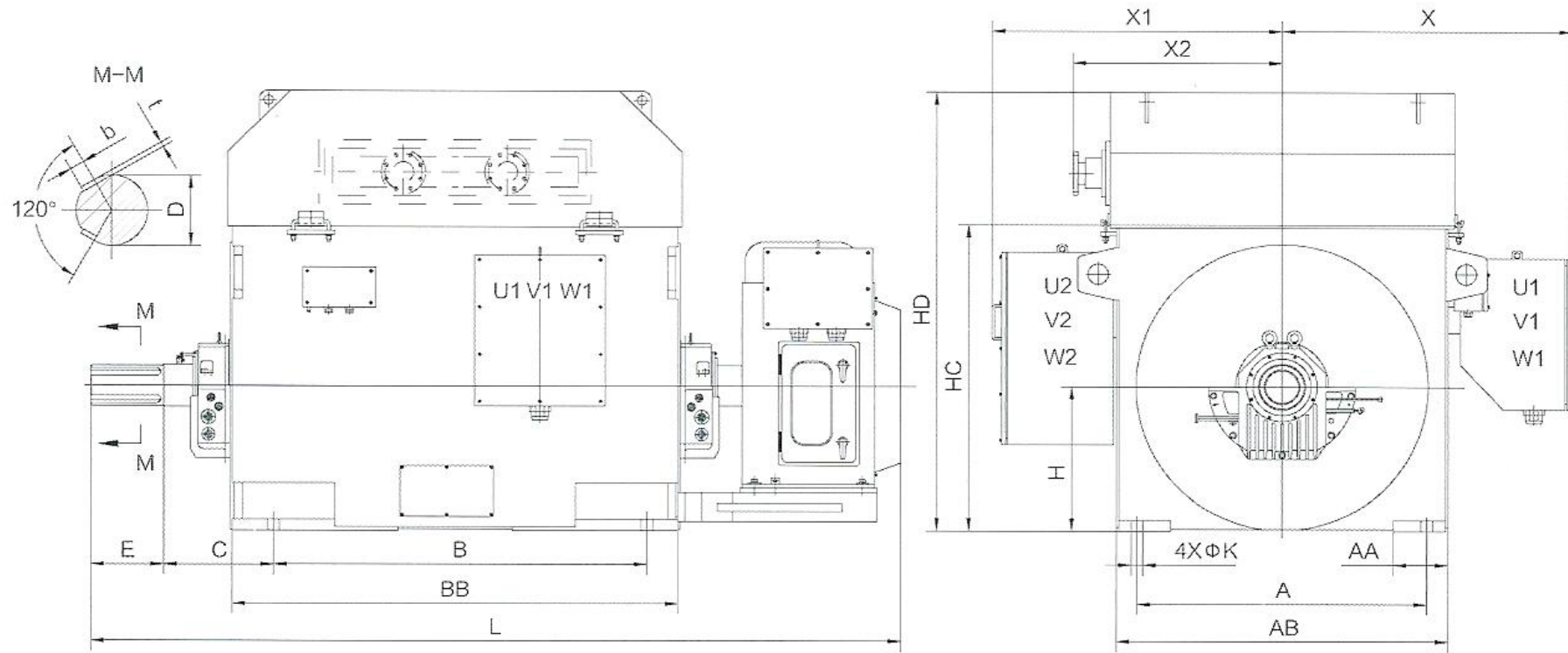


Overall mounting dimensions for HJWR (6.6kV / 11kV) series of slipring high-voltage three-phase motors.



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.



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.