



HOFFMANN TECHNICS AG

HOCHSPANNUNGS-DREHSTROMMOTOREN EXPL.GESCHÜTZT

Kompakte Ausführung, Kühlart: IC411

THREE - PHASE EXPLOSION PROOF HIGH VOLTAGE MOTORS

Compact Design, Cooling Method: IC411

Moteur triphasé a haute tension antideflagrants

Design compact, Méthode de refroidissement: IC411



13.8 kV - 60 Hz - CL F - IP55

Typ	Nennleistung	Nenn-drehzahl	N-strom 13.8 kV	Leistungs- faktor	Wirkungs- grad	Anzugs- moment	Anzugs- strom	Kipp- moment	Trägheits- moment	Gewicht
Type	Rated output	Rated speed	Current 13.8 kV	Power factor	Efficiency %	Relative torque	Relative current	B-down Torque	Moment of inertia	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 13.8 kV	Facteur de puissance	Rendement %	Couple démarrage	Courant démarrage	Couple maximal	Moment d'inertie	Masse
	KW	1 / min	A	cos φ	%	MA / MN	Ia / In	MK / MN	Kg/m2	kg

2 Polig / 2 Poles / 2 Pôles

HJCX450A-2	220	3568	12.8	0.84	94.6	0.7	7.0	2.0	5.6	2875
HJCX450B-2	250	3568	14.5	0.84	94.7	0.7	7.0	2.0	6.5	3015
HJCX450C-2	280	3568	15.8	0.86	94.9	0.7	7.0	2.0	7.4	3155
HJCX450D-2	315	3568	17.7	0.86	95.1	0.7	7.0	2.0	8.6	3315
HJCX450E-2	355	3568	20.0	0.86	95.2	0.7	7.0	2.0	9.1	3400
HJCX450F-2	400	3568	22.4	0.86	95.5	0.7	7.0	2.0	9.7	3480
HJCX450G-2	450	3568	25.2	0.86	95.6	0.7	7.0	2.0	10.2	3525
HJCX450H-2	500	3570	27.7	0.87	95.7	0.7	7.0	2.0	10.8	3615
HJCX500A-2	560	3570	31.0	0.87	95.8	0.7	7.0	2.0	12.0	4970
HJCX500B-2	630	3571	34.8	0.87	95.9	0.7	7.0	2.0	14.0	5090
HJCX500C-2	710	3571	39.2	0.87	96.0	0.7	7.0	2.0	15.0	5220
HJCX500D-2	800	3574	43.6	0.88	96.1	0.7	7.0	2.0	16.0	5330
HJCX500E-2	900	3574	49.0	0.88	96.2	0.7	7.0	2.0	17.0	5460
HJCX560A-2	1000	3576	54.4	0.88	96.3	0.7	7.0	2.0	19.0	6860
HJCX560B-2	1120	3576	60.1	0.89	96.4	0.7	7.0	2.0	28.0	7160
HJCX560C-2	1250	3576	67.1	0.89	96.5	0.7	7.0	2.0	30.0	7495
HJCX560D-2	1400	3580	75.0	0.89	96.6	0.7	7.0	2.0	32.0	7795



HJCX 2 Pole 13.8 kV 60Hz



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Type	Rated output	Rated speed	Current 13.8 kV	Power factor	Efficiency %	Relative torque	Relative current	B-down Torque	Moment of inertia	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 13.8 kV	Facteur de puissance	Rendement %	Couple démarrage	Courant démarrage	Couple maximal	Moment d'inertie	Masse

	KW	1 / min	A	cos φ	%	MA / MN	Ia / In	MK / MN	Kg/m2	kg
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4 Polig / 4 Poles / 4 Pôles

HJCX450A-4	220	1783	12.8	0.84	94.6	0.8	6.5	2.0	12.9	3025
HJCX450B-4	250	1783	14.5	0.84	94.7	0.8	6.5	2.0	14.8	3150
HJCX450C-4	280	1783	16.2	0.84	94.9	0.8	6.5	2.0	16.9	3305
HJCX450D-4	315	1784	18.0	0.85	95.1	0.8	6.5	2.0	19.2	3455
HJCX450E-4	355	1784	20.2	0.85	95.2	0.8	6.5	2.0	20.3	3525
HJCX450F-4	400	1784	22.7	0.85	95.5	0.8	6.5	2.0	21.6	3570
HJCX450G-4	450	1784	25.5	0.85	95.6	0.8	6.5	2.0	22.5	3645
HJCX450H-4	500	1784	40.8	0.86	95.7	0.8	6.5	2.0	23.6	3730
HJCX500A-4	560	1786	45.6	0.86	95.8	0.8	6.5	2.0	31.0	5045
HJCX500B-4	630	1786	35.2	0.86	95.9	0.8	6.5	2.0	33.0	5205
HJCX500C-4	710	1786	39.6	0.86	96.0	0.8	6.5	2.0	35.0	5305
HJCX500D-4	800	1786	44.1	0.87	96.1	0.8	6.5	2.0	37.0	5450
HJCX500E-4	900	1787	49.5	0.87	96.2	0.8	6.5	2.0	39.0	5565
HJCX560A-4	1000	1787	55.0	0.87	96.3	0.7	6.5	2.0	58.0	6725
HJCX560B-4	1120	1787	60.8	0.88	96.4	0.7	6.5	2.0	63.0	7020
HJCX560C-4	1250	1787	67.8	0.88	96.5	0.7	6.5	2.0	68.0	7315
HJCX560D-4	1400	1787	75.9	0.88	96.6	0.7	6.5	2.0	76.0	7710





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Type	Rated output	Rated speed	Current 13.8 kV	Power factor	Efficiency %	Relative torque	Relative current	B-down Torque	Moment of inertia	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 13.8 kV	Facteur de puissance	Rendement %	Couple démarrage	Courant démarrage	Couple maximal	Moment d'inertie	Masse

	KW	1 / min	A	cos φ	%	MA / MN	Ia / In	MK / MN	Kg/m2	kg
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6 Polig / 6 Poles / 6 Pôles

HJCX450D-6	220	1184	13.1	0.82	94.2	0.8	6.0	2.0	27.4	3500
HJCX450E-6	250	1184	14.9	0.82	94.3	0.8	6.0	2.0	28.8	3565
HJCX450F-6	280	1184	16.6	0.82	94.5	0.8	6.0	2.0	30.2	3645
HJCX450G-6	315	1187	18.7	0.82	94.7	0.8	6.0	2.0	33.0	3795
HJCX450H-6	355	1187	21.0	0.82	94.9	0.8	6.0	2.0	34.9	3900
HJCX500A-6	400	1188	23.7	0.82	95.0	0.8	6.0	2.0	43.0	5090
HJCX500B-6	450	1188	26.3	0.83	95.1	0.8	6.0	2.0	44.0	5240
HJCX500C-6	500	1188	29.2	0.83	95.2	0.8	6.0	2.0	46.0	5350
HJCX500D-6	560	1188	32.6	0.83	95.5	0.8	6.0	2.0	48.0	5495
HJCX500E-6	630	1188	36.6	0.83	95.6	0.8	6.0	2.0	51.0	5635
HJCX560A-6	710	1189	41.2	0.83	95.7	0.7	6.0	2.0	93.0	6950
HJCX560B-6	800	1189	46.4	0.83	95.8	0.7	6.0	2.0	97.0	7220
HJCX560C-6	900	1190	51.4	0.84	96.0	0.7	6.0	2.0	101.0	7495
HJCX560D-6	1000	1190	57.1	0.84	96.1	0.7	6.0	2.0	106.0	7740
HJCX560E-6	1120	1190	63.9	0.84	96.2	0.7	6.0	2.0	113.0	8010





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Type	Puissance nominale	Vitesse nominale	Intensité 13.8 kV	Facteur de puissance	Rendement %	Couple démarrage	Courant démarrage	Couple maximal	Moment d'inertie	Masse

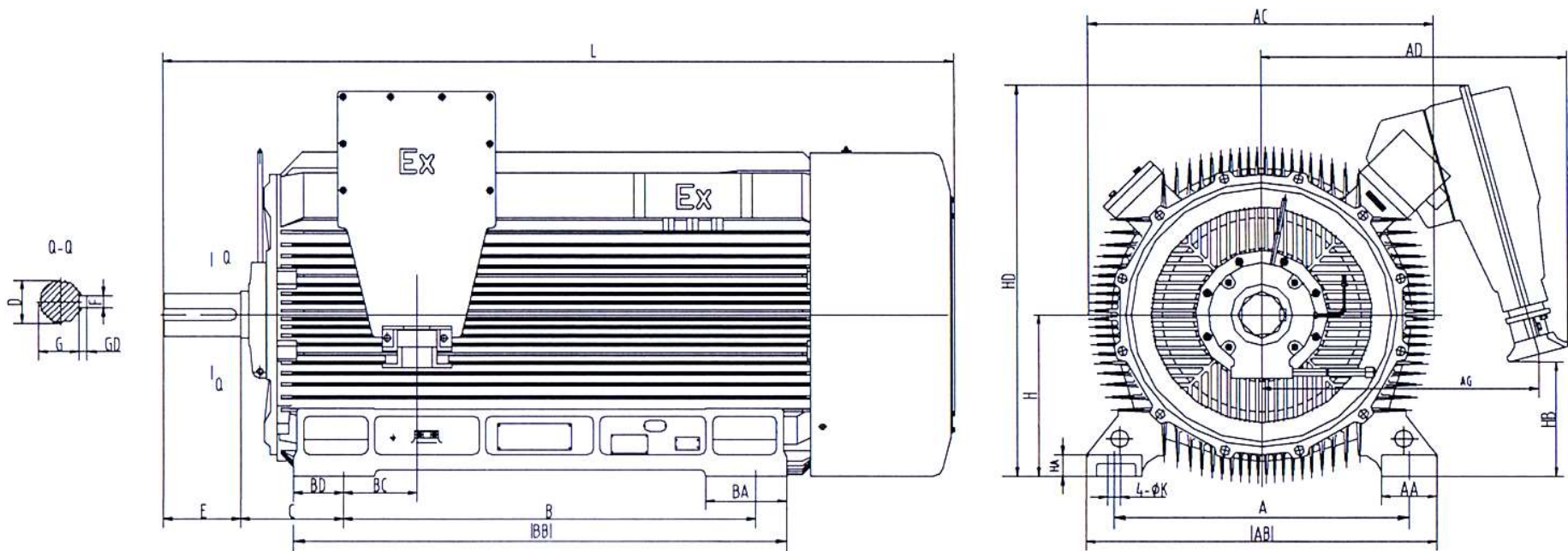
	KW	1 / min	A	cos φ	%	MA / MN	Ia / In	MK / MN	Kg /m2	kg
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8 Polig / 8 Poles / 8 Pôles

HJCX450F-8	220	890	14.0	0.77	94.1	0.8	5.5	2.0	30.0	3635
HJCX450G-8	250	890	15.7	0.78	94.2	0.8	5.5	2.0	33.0	3770
HJCX450H-8	280	890	17.5	0.78	94.3	0.8	5.5	2.0	35.0	3890
HJCX500B-8	315	892	19.7	0.78	94.4	0.8	5.5	2.0	43.0	5150
HJCX500C-8	355	892	22.2	0.78	94.6	0.8	5.5	2.0	44.0	5295
HJCX500D-8	400	892	24.6	0.79	94.7	0.8	5.5	2.0	46.0	5405
HJCX500E-8	450	892	27.7	0.79	94.8	0.8	5.5	2.0	48.0	5575
HJCX560A-8	500	893	30.7	0.79	95.0	0.7	5.5	2.0	113.0	6525
HJCX560B-8	560	893	33.9	0.80	95.1	0.7	5.5	2.0	120.0	6760
HJCX560C-8	630	895	38.1	0.80	95.3	0.7	5.5	2.0	128.0	7005
HJCX560D-8	710	895	42.3	0.81	95.5	0.7	5.5	2.0	134.0	7230
HJCX560E-8	800	895	47.6	0.81	95.6	0.7	5.5	2.0	140.0	7470



Overall mounting dimensions for HJCX (13.8 kV) series of high-voltage three-phase induction motors. Compact Design Explosion-proof



Frame Size	No of poles	Mounting dimension and tolerance									Overall dimension													
		A	B	C	D	E	F	G	H	K	AA	AB	AC	AD	AG	BA	BB	BC	BD	GD	H	HB	HD	L
HJCX-450	2	800	1120	280	95	170	25	86	450	35	160	950	910	855	805	240	1340	165	136	14	50	385	1170	2070
HJCX-450	4	800	1120	280	120	210	32	109	450	35	160	950	910	855	805	240	1340	165	136	18	50	385	1170	2150
HJCX-450	6-8	800	1120	280	130	250	32	119	450	35	160	950	910	855	805	240	1340	165	136	18	50	385	1170	2250
HJCX-500	2	900	1250	315	100	210	28	90	500	42	200	1080	1031	910	835	300	1490	264	114	16	50	490	1290	2580
HJCX-500	4	900	1250	315	130	250	32	119	500	42	200	1080	1031	910	835	300	1490	264	114	18	50	490	1290	2380
HJCX-500	6-8	900	1250	315	140	250	36	128	500	42	200	1080	1031	910	835	300	1490	264	114	20	50	490	1290	2480
HJCX-560	2	1000	1400	530	130	250	32	119	560	42	210	1170	1185	955	890	300	1680	178	170	18	60	595	1400	2900
HJCX-560	4	1000	1400	355	150	250	36	138	560	42	210	1170	1185	955	890	300	1680	178	170	20	60	595	1400	2600
HJCX-560	6-8	1000	1400	355	160	300	40	147	560	42	210	1170	1185	955	890	300	1680	178	170	22	60	595	1400	2775