



SCHLEIFRING - DREHSTROMMOTOREN

Kühlart : IC411 Eigenbelüftet

SLIP-RING THREE PHASE MOTORS

Cooling Method: Self-ventilated

Moteurs - Triphase Rotor Bobiné

Méthode de refroidissement: IC411 Autoventilés



380 V - 50 Hz - CL F - IP55

Typ	Nennleistung	Nenn-drehzahl	Stator Strom	Rotor Strom	Rotor Spannung	Leistungs-faktor	Wirkungs-grad	Kipp-moment	Trägheits-moment	Gewicht
Type	Rated output	Rated speed	Stator Current	Rotor Current	Rotor Voltage	Power factor	Efficiency %	B-down Torque	Moment of inertia	Weight
Type	Puissance nominale	Vitesse nominale	Courant stator	Courant Rotor	Voltage Rotor	Facteur de puissance	Rendement %	Couple maximal	Moment d'inertie	Masse

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

HJR250MA-4	37	1472	72.7	79.3	287	0.85	91.0	3.0	3.6	532
HJR250MB-4	45	1473	97.8	82.4	335	0.76	92.0	3.0	4.2	562
HJR280S-4	55	1473	100.9	73.3	464	0.90	92.0	3.0	5.7	700
HJR280M-4	75	1477	137.6	130.0	354	0.90	92.0	3.0	7.2	750
HJR315S-4	90	1479	169.0	259.4	212	0.88	92.0	3.0	13.3	1350
HJR315M-4	110	1483	209.0	252.3	265	0.86	93.0	3.0	15.3	1400
HJR315L-4	132	1483	247.9	264.2	303	0.87	93.0	3.0	17.8	1400
HJR355M-4	160	1481	293.7	321.0	303	0.89	93.0	3.0	28.6	1986
HJR355LA-4	200	1481	363.0	344.0	354	0.90	93.0	3.0	34.4	2120
HJR355LB-4	250	1482	449.0	357.5	425	0.90	94.0	3.0	41.0	2240

6 Polig / 6 Poles / 6 Pôles

HJR250MA-6	30	977	60.3	76.6	243	0.84	90	2.8	3.5	528
HJR250MB-6	37	978	74.4	65.4	351	0.84	90.0	2.8	4.2	558
HJR280S-6	45	983	91.6	79.2	348	0.82	91.0	2.8	6.2	700
HJR280M-6	55	980	106.8	77.3	439	0.86	91.0	2.8	7.2	750
HJR315S-6	75	987	154.8	218.7	208	0.80	92.0	2.8	16.3	1350
HJR315M-6	90	987	183.5	224.5	243	0.81	92.0	2.8	19.3	1400
HJR315L-6	110	989	227.1	228.0	291	0.80	92.0	2.8	22.2	1400
HJR355M-6	132	986	251.0	274.1	293	0.86	93.0	2.8	36.8	1986
HJR355LA-6	160	987	307.5	264.6	366	0.85	93.0	2.8	45.0	2120
HJR355LB-6	200	987	380.0	289.6	418	0.86	93.0	2.8	51.0	2240

8 Polig / 8 Poles / 8 Pôles

HJR250MA-8	22	730	49.4	63.2	217	0.76	89.0	2.4	2.5	526
HJR250MB-8	30	731	66.5	65.9	283	0.77	89.0	2.4	4.5	556
HJR280S-8	37	734	82.2	87.2	263	0.76	90.0	2.4	6.5	750
HJR280M-8	45	736	98.9	81.7	338	0.76	91.0	2.4	8.5	750
HJR315S-8	55	738	115.0	125.7	265	0.79	92.0	2.4	16.3	1350
HJR315M-8	75	734	147.5	160.1	287	0.84	92.0	2.4	19.3	1400
HJR315L-8	90	734	175.0	168.4	329	0.85	92.0	2.4	22.2	1400
HJR355M-8	110	734	211.0	195.2	344	0.86	92.0	2.4	36.8	1986
HJR355LA-8	132	737	253.5	185.9	431	0.86	92.0	2.4	45.0	2120
HJR355LB-8	160	736	304.0	197.2	492	0.86	93.0	2.4	51.0	2240





SCHLEIFRING - DREHSTROMMOTOREN

Kühlart : IC411 Eigenbelüftet

SLIP-RING THREE PHASE MOTORS

Cooling Method: Self-ventilated

Moteurs - Triphase Rotor Bobiné

Méthode de refroidissement: IC411 Autoventilés



400 V - 50 Hz - CL F - IP55

Type	Nennleistung	Nenn-drehzahl	Stator Strom	Rotor Strom	Rotor Spannung	Leistungs-faktor	Wirkungs-grad	Kipp-moment	Trägheits-moment	Gewicht
Type	Rated output	Rated speed	Stator Current	Rotor Current	Rotor Voltage	Power factor	Efficiency %	B-down Torque	Moment of inertia	Weight
Type	Puissance nominale	Vitesse nominale	Courant stator	Courant Rotor	Voltage Rotor	Facteur de puissance	Rendement %	Couple maximal	Moment d'inertie	Masse

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

HJR250MA-4	37	1472	68.3	78.8	288	0.85	92.0	3.0	3.6	532
HJR250MB-4	45	1470	81.2	87.3	317	0.87	92.0	3.0	4.2	562
HJR280S-4	55	1466	94.0	70.1	484	0.93	91.0	3.0	5.7	700
HJR280M-4	75	1465	126.6	133.2	344	0.93	92.1	3.0	7.2	750
HJR315S-4	90	1458	158.2	259.0	216	0.90	91.2	3.0	13.3	1350
HJR315M-4	110	1458	188.2	277.1	244	0.91	92.4	3.0	15.3	1400
HJR315L-4	132	1465	218.7	294.9	272	0.93	93.5	3.0	17.8	1400
HJR355M-4	160	1467	268.3	296.8	328	0.92	93.6	3.0	28.6	1986
HJR355LA-4	200	1470	340.0	337.0	360	0.91	93.8	3.0	34.4	2120
HJR355LB-4	250	1476	410.0	351.8	428	0.93	94.6	3.0	41.0	2240

6 Polig / 6 Poles / 6 Pôles

HJR250MA-6	30	966	58.4	73.9	252	0.83	90.0	2.8	3.5	528
HJR250MB-6	37	979	73.5	64.4	355	0.84	91.0	2.8	4.2	558
HJR280S-6	45	971	81.1	86.2	321	0.88	91.1	2.8	6.2	700
HJR280M-6	55	972	96.1	80.0	421	0.90	91.6	2.8	7.2	750
HJR315S-6	75	971	147.0	247.9	205	0.81	91.0	2.8	16.3	1350
HJR315M-6	90	973	171.2	238.8	237	0.83	92.0	2.8	19.3	1400
HJR315L-6	110	973	211.9	249.5	279	0.82	92.0	2.8	22.2	1400
HJR355M-6	132	974	257.8	250.6	308	0.80	92.2	2.8	36.8	1986
HJR355LA-6	160	983	288.2	257.9	385	0.85	94.0	2.8	45.0	2120
HJR355LB-6	200	984	362.0	291.0	440	0.85	94.0	2.8	51.3	2240

8 Polig / 8 Poles / 8 Pôles

HJR250MA-8	22	729	45.7	64.9	213	0.78	89.0	2.4	2.5	526
HJR250MB-8	30	729	61.6	69.3	271	0.79	89.0	2.4	4.5	556
HJR280S-8	37	734	76.0	87.4	262	0.77	90.0	2.4	6.5	750
HJR280M-8	45	733	93.7	89.5	312	0.80	90.0	2.4	8.5	750
HJR315S-8	55	737	107.9	129.1	259	0.80	92.0	2.4	16.3	1350
HJR315M-8	75	733	141.5	167.5	279	0.85	90.0	2.4	19.3	1400
HJR315L-8	90	734	168.0	169.2	330	0.85	91.0	2.4	22.2	1400
HJR355M-8	110	736	200.7	184.2	363	0.86	92.0	2.4	36.8	1986
HJR355LA-8	132	738	241.0	175.7	453	0.85	93.0	2.4	45.0	2120
HJR355LB-8	160	738	288.8	186.3	518	0.86	93.0	2.4	51.0	2240





SCHLEIFRING - DREHSTROMMOTOREN

Kühlart : IC411 Eigenbelüftet

SLIP-RING THREE PHASE MOTORS

Cooling Method: Self-ventilated

Moteurs - Triphase Rotor Bobiné

Méthode de refroidissement: IC411 Autoventilés



415 V - 50 Hz - CL F - IP55

Type	Nennleistung	Nenn-drehzahl	Stator Strom	Rotor Strom	Rotor Spannung	Leistungs-faktor	Wirkungs-grad	Kipp-moment	Trägheits-moment	Gewicht
Type	Rated output	Rated speed	Stator Current	Rotor Current	Rotor Voltage	Power factor	Efficiency %	B-down Torque	Moment of inertia	Weight
Type	Puissance nominale	Vitesse nominale	Courant stator	Courant Rotor	Voltage Rotor	Facteur de puissance	Rendement %	Couple maximal	Moment d'inertie	Masse
	KW	1 / min	A	A	V	cos φ	%	MK / MN	Kg/m2	kg

4 Polig / 4 Poles / 4 Pôles

HJR250MA-4	37	1475	67.4	75.8	298	0.83	92.0	3.0	3.6	532
HJR250MB-4	45	1472	82.0	83.9	329	0.86	92.0	3.0	4.2	562
HJR280S-4	55	1478	96.7	66.5	506	0.88	92.0	3.0	5.7	700
HJR280M-4	75	1477	127.4	128.9	356	0.89	92.0	3.0	7.2	750
HJR315S-4	90	1483	160.1	236.6	231	0.85	92.0	3.0	13.3	1350
HJR315M-4	110	1482	189.1	260	257	0.87	93.0	3.0	15.3	1400
HJR315L-4	132	1482	221.9	277.1	290	0.89	93.0	3.0	17.8	1400
HJR355M-4	160	1484	275.1	292.3	331	0.87	93.0	3.0	28.6	1986
HJR355LA-4	200	1484	332.6	312.6	404	0.89	94.0	3.0	34.4	2120
HJR355LB-4	250	1485	415.7	325.4	464	0.89	94.0	3.0	41.0	2240

6 Polig / 6 Poles / 6 Pôles

HJR250MA-6	30	976	55.2	77.3	241	0.84	90.0	2.8	3.5	528
HJR250MB-6	37	987	69.0	61.9	368	0.82	91.0	2.8	4.2	558
HJR280S-6	45	982	81.9	83.2	333	0.84	91.0	2.8	6.2	700
HJR280M-6	55	980	96.7	78.0	436	0.87	91.0	2.8	7.2	750
HJR315S-6	75	987	143.6	214.6	212	0.79	92.0	2.8	16.3	1350
HJR315M-6	90	988	168.0	222.8	245	0.81	92.0	2.8	19.3	1400
HJR315L-6	110	988	207.9	229.8	289	0.80	92.0	2.8	22.2	1400
HJR355M-6	132	988	228.7	249.8	319	0.83	93.0	2.8	36.8	1986
HJR355LA-6	160	990	221.2	241.6	399	0.82	93.0	2.8	45.0	2120
HJR355LB-6	200	989	241.8	264.1	456	0.83	93.0	2.8	51	2240

8 Polig / 8 Poles / 8 Pôles

HJR250MA-8	22	731	45.9	62.2	220	0.75	89.0	2.4	2.5	526
HJR250MB-8	30	731	60.9	66.4	281	0.77	89.0	2.4	4.5	556
HJR280S-8	37	735	77.3	83.9	271	0.74	90.0	2.4	6.5	750
HJR280M-8	45	734	89.2	85.8	323	0.78	90.0	2.4	8.5	750
HJR315S-8	55	739	106.7	124.1	268	0.78	92.0	2.4	16.3	1350
HJR315M-8	75	734	136.5	160.5	290	0.84	91.0	2.4	19.3	1400
HJR315L-8	90	736	164.0	162.2	342	0.84	91.0	2.4	22.2	1400
HJR355M-8	110	737	195.7	176.9	376	0.85	92.0	2.4	36.8	1986
HJR355LA-8	132	739	235.1	168.9	470	0.84	93.0	2.4	45.0	2120
HJR355LB-8	160	739	281.6	179.1	537	0.85	93.0	2.4	51.0	2240





SCHLEIFRING - DREHSTROMMOTOREN

Kühlart : IC411 Eigenbelüftet

SLIP-RING THREE PHASE MOTORS

Cooling Method: Self-ventilated

Moteurs - Triphase Rotor Bobiné

Méthode de refroidissement: IC411 Autoventilés



440 V - 50 Hz - CL F - IP55

Type	Nennleistung	Nenn-drehzahl	Stator Strom	Rotor Strom	Rotor Spannung	Leistungs-faktor	Wirkungs-grad	Kipp-moment	Trägheits-moment	Gewicht
Type	Rated output	Rated speed	Stator Current	Rotor Current	Rotor Voltage	Power factor	Efficiency %	B-down Torque	Moment of inertia	Weight
Type	Puissance nominale	Vitesse nominale	Courant stator	Courant Rotor	Voltage Rotor	Facteur de puissance	Rendement %	Couple maximal	Moment d'inertie	Masse

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

HJR250MA-4	37	1480	62.8	67.9	332	0.84	92.0	3.0	3.6	532
HJR250MB-4	45	1480	75.5	70.6	387	0.85	92.0	3.0	4.2	562
HJR280S-4	55	1480	88.1	62.5	537	0.89	92.0	3.0	5.7	700
HJR280M-4	75	1483	118.9	111.2	409	0.89	93.0	3.0	7.2	750
HJR315S-4	90	1485	144.3	222.5	246	0.88	93.0	3.0	13.3	1350
HJR315M-4	110	1487	182.6	216.9	307	0.85	93.0	3.0	15.3	1400
HJR315L-4	132	1488	196.2	227.2	351	0.86	93.0	3.0	17.8	1400
HJR355M-4	160	1486	237.8	275.3	351	0.88	94.0	3.0	28.6	1986
HJR355LA-4	200	1486	254.6	294.8	410	0.89	94.0	3.0	34.4	2120
HJR355LB-4	250	1487	264.8	306.6	492	0.89	94.0	3.0	41.0	2240

6 Polig / 6 Poles / 6 Pôles

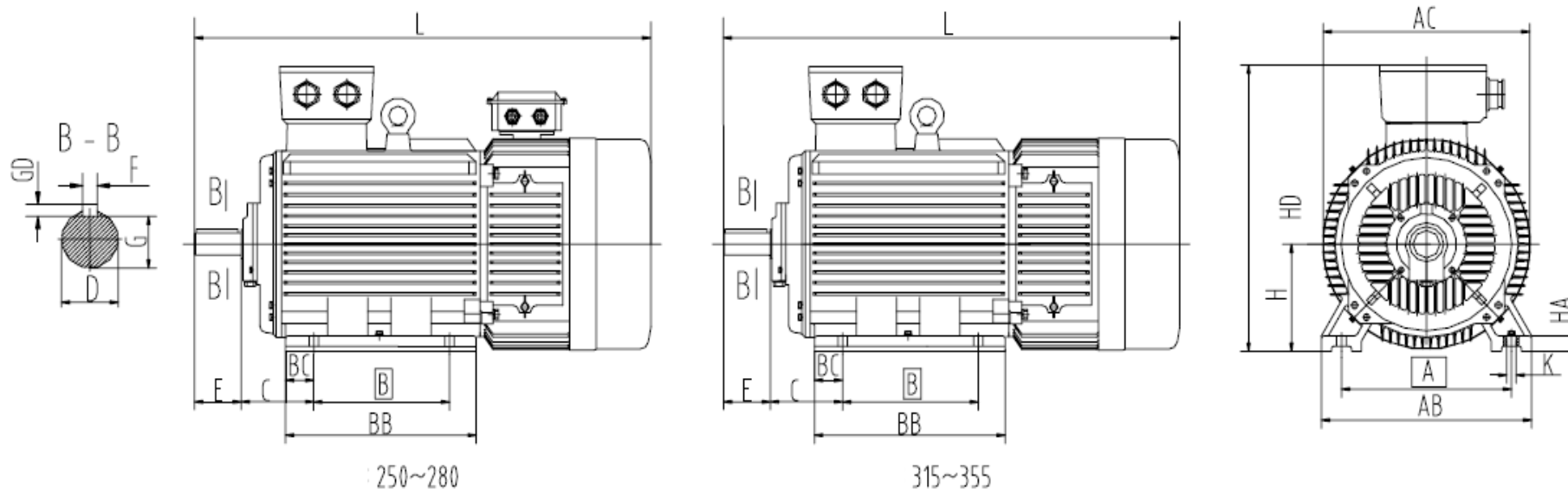
HJR250MA-6	30	983	51.8	65.3	282	0.83	92.0	2.8	3.5	528
HJR250MB-6	37	984	64.3	55.8	406	0.83	91.0	2.8	4.2	558
HJR280S-6	45	988	80.3	67.8	403	0.80	92.0	2.8	6.2	700
HJR280M-6	55	986	92.3	66.0	509	0.85	92.0	2.8	7.2	750
HJR315S-6	75	990	135.4	188.2	241	0.79	92.0	2.8	16.3	1350
HJR315M-6	90	991	158.5	222.8	282	0.81	92.0	2.8	19.3	1400
HJR315L-6	110	992	176.3	196.4	338	0.89	92.0	2.8	22.2	1400
HJR355M-6	132	990	219.1	235.3	339	0.85	93.0	2.8	36.8	1986
HJR355LA-6	160	991	268.8	227.4	434	0.84	93.0	2.8	45.0	2120
HJR355LB-6	200	991	332.0	248.8	485	0.85	93.0	2.8	51	2240

8 Polig / 8 Poles / 8 Pôles

HJR250MA-8	22	735	43.2	53.7	252	0.74	90.0	2.4	2.5	526
HJR250MB-8	30	736	58.3	56.0	327	0.75	90.0	2.4	4.5	556
HJR280S-8	37	738	71.1	74.3	304	0.75	91.0	2.4	6.5	750
HJR280M-8	45	740	87.7	69.8	292	0.74	91.0	2.4	8.5	750
HJR315S-8	55	741	102.0	107.9	307	0.77	92.0	2.4	16.3	1350
HJR315M-8	75	739	129.0	136.6	333	0.83	92.0	2.4	19.3	1400
HJR315L-8	90	739	162.1	143.6	380	0.84	92.0	2.4	22.2	1400
HJR355M-8	110	739	180.5	166.6	399	0.86	93.0	2.4	36.8	1986
HJR355LA-8	132	740	219.1	159.0	499	0.85	93.0	2.4	45.0	2120
HJR355LB-8	160	740	262.5	168.7	570	0.86	93.0	2.4	51.0	2240



Overall mounting dimensions for HJR series of high-voltage three-phase induction motors.



Frame size: 250 to 280

Frame size: 315 to 355

Fig 1

Frame	A	A/2	B	C	D	E	F	G	H	K	BA	BB	AC	BC	HD	HA	L
HJR250M	406	203	349	168	65	140	18	58	250	24	490	445	510	55	615	30	1320
HJR280S	457	228.5	368	190	75	140	20	67.5	280	24	550	485	580	69	680	35	1390
HJR280M	457	228.5	419	190	75	140	20	67.5	280	24	550	536	580	69	680	35	1445
HJR315S	508	254	406	216	80	170	22	71	315	28	635	570	645	84	845	45	1650
HJR315S	508	254	457	216	80	170	22	71	315	28	635	680	645	84	845	45	1760
HJR315L	508	254	508	216	80	170	22	71	315	28	635	680	645	84	845	45	1760
HJR355M	610	305	560	254	95	170	25	86	355	28	730	750	730	68	1010	52	2100
HJR355L	610	305	630	254	95	170	25	86	355	28	730	750	730	68	1010	52	2100