



HMA/HMI SERIES THREE-PHASE ASYNCHRONOUS MOTOR



Technical Data

HMA/HMI 2 Pole 3000RPM 50Hz

Type	Rated Output		Rated Speed rpm	Efficiency (%)	75% Efficiency at 75% load	50% Efficiency at 50% load	Power factor cosφ	Rated current (A)			Rated Torque (N.m)	Ts/Tn	Tmax/Tn	Is/In	ALU Weight (kg)	C/I Weight (kg)
	kW	Hp						380V	400V	415V						
HMA-56M1-2	0.09	0.12	2700	45.0	45.0	44.1	0.70	0.43	0.41	0.40	0.32	2.1	2.2	5.2	3.6	
HMA-56M2-2	0.12	0.18	2700	45.0	45.0	44.1	0.72	0.56	0.53	0.52	0.42	2.1	2.2	5.2	4	
HMA-63M1-2	0.18	0.25	2720	52.8	52.8	51.7	0.80	0.65	0.62	0.59	0.63	2.3	2.2	5.5	4.8	
HMA-63M2-2	0.25	0.37	2720	58.2	58.2	57.0	0.81	0.81	0.77	0.74	0.88	2.3	2.2	5.5	5.3	
HMA-71M1-2	0.37	0.5	2740	63.9	63.9	62.6	0.81	1.09	1.03	0.99	1.29	2.3	2.2	6.1	6	
HMA-71M2-2	0.55	0.75	2740	69.0	69.0	67.6	0.82	1.48	1.40	1.35	1.92	2.3	2.3	6.1	6.6	
HMA-80M1-2	0.75	1	2840	72.1	72.1	70.7	0.83	1.90	1.81	1.74	2.52	2.2	2.3	6.1	8.7	14.5
HMA-80M2-2	1.1	1.5	2840	75.0	75.0	73.5	0.84	2.65	2.52	2.43	3.70	2.2	2.3	6.9	9.5	16
HMA-90S-2	1.5	2	2840	77.2	77.2	75.7	0.84	3.51	3.34	3.22	5.04	2.2	2.3	7	11.5	19
HMA-90L-2	2.2	3	2840	79.7	79.7	78.1	0.85	4.93	4.69	4.52	7.4	2.2	2.3	7	14	23
HMA-100L-2	3	4	2860	81.5	81.5	79.9	0.87	6.43	6.11	5.89	10.02	2.2	2.3	7.5	20	30
HMA-112M-2	4	5.5	2880	83.1	83.1	81.4	0.88	8.31	7.90	7.61	13.3	2.2	2.3	7.5	27	36
HMA-132S1-2	5.5	7.5	2900	84.7	84.7	83.0	0.88	11.5	10.9	10.5	18.1	2.2	2.3	7.5	37.5	56
HMA-132S2-2	7.5	10	2900	86.0	86.0	84.3	0.88	15.1	14.3	13.8	24.7	2.2	2.3	7.5	42.5	60
HMA-160M1-2	11	15	2930	87.6	87.6	85.8	0.89	21.4	20.4	19.6	35.9	2.2	2.3	7.5	74	103
HMA-160M2-2	15	20	2930	88.7	88.7	86.9	0.89	28.9	24.4	26.4	48.9	2.2	2.3	7.5	82	114
HMA-160L-2	18.5	25	2930	89.3	89.3	87.5	0.90	35.0	33.2	32.0	60.3	2.2	2.3	7.5	96	130
HMA-180M-2	22	30	2940	89.9	89.9	88.1	0.90	41.3	39.2	37.8	71.5	2.0	2.3	7.5		160
HMA-200L1-2	30	40	2950	90.7	90.7	88.9	0.90	55.9	53.0	51.1	97.1	2.0	2.3	7.5		210
HMA-200L2-2	37	50	2950	91.2	91.2	89.4	0.90	68.5	65.1	62.7	119.8	2.0	2.3	7.5		230
HMA-225M-2	45	60	2960	91.7	91.7	89.9	0.90	82.8	78.7	75.9	145.2	2.0	2.3	7.5		290
HMA-250M-2	55	75	2965	92.1	92.1	90.3	0.90	101	95.8	92.3	177.2	2.0	2.3	7.5		372
HMA-280S-2	75	100	2970	92.7	92.7	90.8	0.90	137	130	125	241.2	2	2.3	7		295
HMA-280M-2	90	125	2970	93.0	93.0	91.1	0.91	162	153	148	289.4	2	2.3	7.1		560
HMA-315S-2	110	150	2975	93.3	93.3	91.4	0.91	197	187	180	353.1	1.8	2.2	7.1		855
HMA-315M-2	132	180	2975	93.5	93.5	91.6	0.91	236	224	216	423.7	1.8	2.2	7.1		950
HMI-315L1-2	160	200	2975	93.8	93.8	91.9	0.92	282	268	258	513.7	1.8	2.2	7.1		1000
HMI-315L2-2	200	270	2975	94.0	94.0	92.1	0.92	351	334	322	642	1.8	2.2	7.1		1060
HMI-355M-2	250	340	2980	94.0	94.0	92.1	0.92	439	417	402	801.2	1.6	2.2	7.1		1675
HMI-355L-2	315	430	2980	94.0	94.0	92.1	0.92	553	526	507	1009.5	1.6	2.2	7.2		1790



HMA/HMI SERIES THREE-PHASE ASYNCHRONOUS MOTOR



Technical Data

HMA/HMI 4 Pole 1500RPM 50Hz

Type	Rated Output		Rated Speed rpm	Efficiency (%)	Efficiency at 75% load	Efficiency at 50% load	Power factor cosφ	Rated current (A)			Rated Torque (N.m)	Ts/Tn	Tmax/Tn	Is/In	ALU Weight (kg)	C/I Weight (kg)
	kW	Hp						380V	400V	415V						
HMA-56M1-4	0.06	0.09	1325	44.5	44.5	44.0	0.58	0.35	0.34	0.32	0.43	2	2.1	3.9	3.6	
HMA-56M2-4	0.09	0.12	1325	50.0	50.0	48.0	0.61	0.45	0.43	0.41	0.65	2	2.1	3.9	3.9	
HMA-63M1-4	0.12	0.18	1310	50.0	50.0	49.0	0.72	0.51	0.48	0.46	0.87	2.1	2.2	4.4	4.8	
HMA-63M2-4	0.18	0.25	1310	57.0	57.0	55.9	0.73	0.66	0.62	0.60	1.31	2.1	2.2	4.4	5	
HMA-71M1-4	0.25	0.37	1330	61.5	61.5	60.3	0.74	0.83	0.79	0.76	1.8	2.1	2.2	5.2	5.8	
HMA-71M2-4	0.37	0.5	1330	66.0	66.0	64.7	0.75	1.14	1.08	1.04	2.66	2.1	2.2	5.2	6.3	
HMA-80M1-4	0.55	0.75	1390	70.0	70.0	68.6	0.75	1.59	1.51	1.46	3.78	2.3	2.3	5.2	9	13.5
HMA-80M2-4	0.75	1	1390	72.1	72.1	70.7	0.76	2.08	1.98	1.90	5.15	2.3	2.3	6	10	14.5
HMA-90S-4	1.1	1.5	1390	75.0	75.0	73.5	0.77	2.89	2.75	2.65	7.56	2.3	2.3	6	12	19
HMA-90L-4	1.5	2	1390	77.2	77.2	75.7	0.77	3.83	3.64	3.51	10.3	2.3	2.3	6.0	14	23
HMA-100L1-4	2.2	3	1390	79.7	79.7	78.1	0.81	5.18	4.92	4.74	15.1	2.3	2.3	7	21	30
HMA-100L2-4	3	4	1410	81.5	81.5	79.9	0.82	6.82	6.48	6.25	20.3	2.3	2.3	7	23.5	33
HMA-112M-4	4	5.5	1410	83.1	83.1	81.4	0.82	8.92	8.47	8.17	27.1	2.3	2.3	7	29.5	43
HMA-132S-4	5.5	7.5	1435	84.7	84.7	83.0	0.83	11.9	11.3	10.9	36.6	2.3	2.3	7	41	60
HMA-132M-4	7.5	10	1440	86.0	86.0	84.3	0.84	15.8	15.0	14.4	49.7	2.3	2.3	7	48	69
HMA-160M-4	11	15	1440	87.6	87.6	85.8	0.84	22.7	21.6	20.8	73	2.2	2.3	7	82	107
HMA-160L-4	15	20	1460	88.7	88.7	86.9	0.85	30.2	28.7	27.7	98.1	2.2	2.3	7.5	93	130
HMA-180M-4	18.5	25	1460	89.3	89.3	87.5	0.86	36.6	34.8	33.2	121	2.2	2.3	7.5		162
HMA-180L-4	22	30	1470	89.9	89.9	88.1	0.86	43.2	41.1	39.6	142.9	2.2	2.3	7.5		175
HMA-200L-4	30	40	1470	90.7	90.7	88.9	0.86	58.4	55.5	53.5	194.9	2.2	2.3	7.2		227
HMA-225S-4	37	50	1470	91.2	91.2	89.4	0.87	70.9	67.3	64.9	240.4	2.2	2.3	7.2		282
HMA-225M-4	45	60	1475	91.7	91.7	89.9	0.87	85.7	81.4	78.5	291.4	2.2	2.3	7.2		315
HMA-250M-4	55	75	1475	92.1	92.1	90.3	0.87	104	99.1	95.5	356.1	2.2	2.3	7.2		390
HMA-280S-4	75	100	1480	92.7	92.7	90.8	0.87	141	134	129	484	2.2	2.3	6.8		525
HMA-280M-4	90	125	1480	93.0	93.0	91.1	0.87	169	161	155	580.7	2.2	2.3	6.8		590
HMA-315S-4	110	150	1480	93.3	93.3	91.4	0.88	204	193	186	709.8	2.1	2.2	6.9		900
HMA-315M-4	132	180	1480	93.5	93.5	91.6	0.88	244	232	223	851.8	2.1	2.2	6.9		980
HMI-315L1-4	160	200	1480	93.8	93.8	91.9	0.89	291	277	263	1032	2.1	2.2	6.9		1050
HMI-315L2-4	200	270	1480	94.0	94.0	92.1	0.89	363	345	333	1290.5	2.1	2.2	6.9		1115
HMI-355M-4	250	340	1490	94.0	94.0	92.1	0.90	449	427	411	1602.3	2.1	2.2	6.9		1650
HMI-355L-4	315	430	1490	94.0	94.0	92.1	0.90	566	537	518	2019	2.1	2.2	6.9		1820



HMA/HMI SERIES THREE-PHASE ASYNCHRONOUS MOTOR



Technical Data

HMA/HMI 6 Pole 1000RPM 50Hz

Type	Rated Output		Rated Speed rpm	Efficiency (%)	75% Efficiency at 75% load	50% Efficiency at 50% load	Power factor cosφ	Rated current (A)			Rated Torque (N.m)	Ts/Tn	Tmax/Tn	Is/In	ALU Weight (kg)	C/I Weight (kg)
	kW	Hp						380V	400V	415V						
HMA-71M1-6	0.18	0.25	850	45.5	45.5	44.6	0.66	0.73	0.87	0.83	2.02	1.9	2.0	4.0	6	
HMA-71M2-6	0.25	0.37	850	52.1	52.1	51.1	0.68	1.07	1.02	0.98	2.81	1.9	2.0	4.0	6.5	
HMA-80M1-6	0.37	0.5	885	59.7	59.7	58.5	0.70	1.35	1.28	1.23	3.99	1.9	2.0	4.7	9	13
HMA-80M2-6	0.55	0.75	885	65.8	65.8	64.5	0.72	1.76	1.68	1.62	5.94	1.9	2.1	4.7	10.5	14.5
HMA-90S-6	0.75	1	910	70.0	70.0	68.6	0.72	2.26	2.15	2.07	7.87	2.0	2.1	5.3	12.5	21
HMA-90L-6	1.1	1.5	910	72.9	72.9	71.4	0.72	3.18	3.02	2.92	11.5	2.0	2.1	5.5	15	24
HMA-100L-6	1.5	2	920	75.2	75.2	73.7	0.75	4.04	3.84	3.70	15.6	2.0	2.1	5.5	23	29
HMA-112M-6	2.2	3	935	77.7	77.7	76.1	0.76	5.66	5.38	5.18	22.5	2.0	2.1	6.5	28	37
HMA-132S-6	3	4	960	79.7	79.7	78.1	0.76	7.52	7.15	6.89	29.8	2.1	2.1	6.5	39	52
HMA-132M1-6	4	5.5	960	81.4	81.4	79.8	0.76	9.82	9.33	9.00	39.8	2.1	2.1	6.5	43	63
HMA-132M2-6	5.5	7.5	960	83.1	83.1	81.4	0.77	13.1	12.1	12.0	54.7	2.1	2.1	6.5	48	70
HMA-160M-6	7.5	10	970	84.7	84.7	83.0	0.78	17.2	16.4	15.8	73.8	2.0	2.1	6.5	76	96
HMA-160L-6	11	15	970	86.4	86.4	84.7	0.78	24.8	23.6	22.7	108.3	2.0	2.1	6.5	100	122
HMA-180L-6	15	20	970	87.7	87.7	85.9	0.81	32.1	30.5	29.4	147.7	2.0	2.1	7		168
HMA-200L1-6	18.5	25	980	88.6	88.6	86.8	0.81	39.2	37.2	35.9	180.3	2.1	2.1	7		200
HMA-200L2-6	22	30	980	89.2	89.2	87.4	0.83	45.1	42.9	41.3	214.4	2.0	2.1	7		215
HMA-225M-6	30	40	980	90.2	90.2	88.4	0.84	60.2	57.1	55.1	292.3	2.0	2.1	7		288
HMA-250M-6	37	50	980	90.8	90.8	89.0	0.86	72.0	68.4	65.9	360.6	2.1	2.1	7		365
HMA-280S-6	45	60	980	91.4	91.4	89.6	0.86	87.0	82.6	79.6	438.5	2.1	2.0	7		482
HMA-280M-6	55	75	980	91.9	91.9	90.1	0.86	106	100	96.8	536	2.1	2.0	7.0		540
HMA-315S-6	75	100	985	92.6	92.6	90.7	0.86	143	136	131	727.2	2.0	2.0	6.7		860
HMA-315M-6	90	125	985	92.9	92.9	91.0	0.86	171	163	157	872.6	2.0	2.0	6.7		960
HMA-315L1-6	110	150	985	93.3	93.3	91.4	0.86	208	198	191	1066.5	2.0	2.0	6.7		1050
HMA-315L2-6	132	180	985	93.5	93.5	91.6	0.87	247	234	226	1279	2.0	2.0	6.7		1100
HMI-355M1-6	160	200	985	93.8	93.8	91.9	0.88	295	280	270	1551	1.9	2.0	6.7		1660
HMI-355M2-6	200	270	985	94.0	94.0	92.1	0.88	367	349	336	1939	1.9	2.0	6.7		1750
HMI-355L-6	250	340	985	94.0	94.0	92.1	0.88	459	436	420	2423	1.9	2.0	6.7		1910



HMA/HMI SERIES THREE-PHASE ASYNCHRONOUS MOTOR



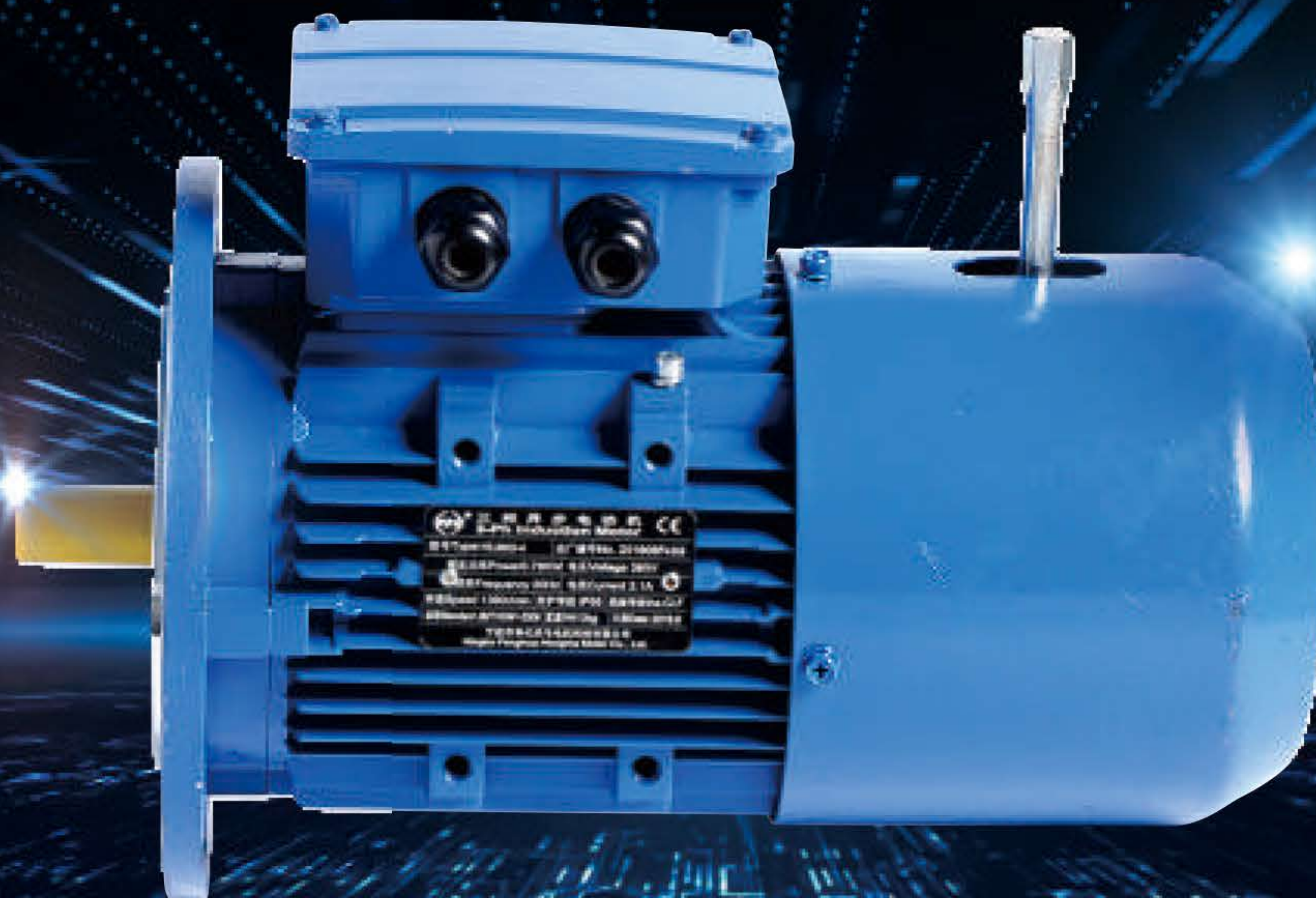
Technical Data

HMA/HMI 8 Pole 750RPM 50Hz

Type	Rated Output		Rated Speed rpm	Efficiency (%)	Efficiency at 75% load	Efficiency at 50% load	Power factor cosφ	Rated current (A)			Rated Torque (N.m)	Ts/Tn	Tmax/Tn	Is/In	ALU Weight (kg)	C/I Weight (kg)
	kW	Hp						380V	400V	415V						
HMA-71M2-8	0.12	0.18	600	31.0	31.0	30.4	0.57	1.03	0.98	0.94	1.91	1.8	1.9	2.8	7	
HMA-80M1-8	0.18	0.25	645	38.0	38.0	37.2	0.61	1.18	1.12	1.08	2.67	1.8	1.9	3.3	9.5	13.5
HMA-80M2-8	0.25	0.37	645	43.4	43.4	42.5	0.61	1.43	1.36	1.31	3.70	1.8	1.9	3.3	11	15
HMA-90S-8	0.37	0.5	670	49.7	49.7	48.7	0.61	1.85	1.76	1.70	5.27	1.8	1.9	4.0	13	21.5
HMA-90L-8	0.55	0.75	670	56.1	56.1	55.0	0.61	2.44	2.32	2.24	7.84	1.8	2.0	4.0	16	24.5
HMA-100L1-8	0.75	1	680	61.2	61.2	60.0	0.67	2.78	2.64	2.54	10.5	1.8	2.0	4.0	23	30
HMA-100L2-8	1.1	1.5	680	66.5	66.5	65.2	0.69	3.64	3.46	3.34	15.4	1.8	2.0	5.0	25	32
HMA-112M-8	1.5	2	690	70.2	70.2	68.8	0.70	4.64	4.41	4.25	20.8	1.8	2.0	5.0	29	40
HMA-132S-8	2.2	3	705	74.2	74.2	72.7	0.71	6.34	6.03	5.81	29.8	1.8	2.0	6.0	38	52
HMA-132M-8	3	4	705	77.0	77.0	75.5	0.73	8.11	7.70	7.43	40.6	1.8	2.0	6.0	46	61
HMA-160M1-8	4	5.5	720	79.2	79.2	77.6	0.73	10.5	9.99	9.63	53.1	1.9	2.0	6.0	75	90
HMA-160M2-8	5.5	7.5	720	81.4	81.4	79.8	0.74	13.9	13.2	12.7	73.0	1.9	2.0	6.0	86	100
HMA-160L-8	7.5	10	720	83.1	83.1	81.4	0.75	18.3	17.4	16.7	99.5	1.9	2.0	6.0	105	124
HMA-180L-8	11	15	730	85.0	85.0	83.3	0.76	25.9	24.6	23.7	143.9	2.0	2.0	6.5		160
HMA-200L-8	15	20	730	86.2	86.2	84.5	0.76	34.8	33.0	31.9	196.2	2.0	2.0	6.6		210
HMA-225S-8	18.5	25	730	86.9	86.9	85.2	0.76	42.6	40.4	39.0	242	1.9	2.0	6.6		255
HMA-225M-8	22	30	730	87.4	87.4	85.7	0.78	49.0	46.6	44.9	287.8	1.9	2.0	6.6		285
HMA-250M-8	30	40	735	88.3	88.3	86.5	0.79	65.3	62.1	59.8	389.8	1.9	2.0	6.6		368
HMA-280S-8	37	50	735	88.8	88.8	87.0	0.79	80.1	76.1	73.4	480.7	1.9	2.0	6.6		480
HMA-280M-8	45	60	735	89.2	89.2	87.4	0.79	97.0	92.2	88.8	584.7	1.9	2.0	6.6		536
HMA-315S-8	55	75	735	89.7	89.7	87.9	0.81	115	109	105	714.6	1.8	2.0	6.6		820
HMA-315M-8	75	100	735	90.3	90.3	88.5	0.81	156	148	143	974.5	1.8	2.0	6.2		970
HMA-315L1-8	90	125	735	90.7	90.7	88.9	0.82	184	175	168	1169	1.8	2.0	6.4		1050
HMA-315L2-8	110	150	735	91.1	91.1	89.3	0.82	224	213	205	1429	1.8	2.0	6.4		1130
HMA-355M1-8	132	180	740	91.5	91.5	89.7	0.82	267	254	245	1704	1.8	2.0	6.4		1730
HMI-355M2-8	160	220	740	91.9	91.9	90.1	0.82	323	306	295	2065	1.8	2.0	6.4		1800
HMI-355L-8	200	270	740	92.5	92.5	90.7	0.83	396	376	362	2581	1.8	2.0	6.4		1950

HMEJ(DC)

HMEJ(DC) Series Electromagnetic Braking Three-phase Asynchronous Motor



HMEJ(DC) series brake motors are composed of three-phase asynchronous motors and DC electromagnetic brake. They have a lot of features such as large starting torque, compact structure, fast braking and high reliability. The brake motor are suitable for the machines that required prompt braking, accurate positioning, reciprocating operation, frequent starting and anti-sliding. They are widely used in elevating machinery, packing machinery, textile machinery, transmission parts and wind-power parts etc. The motor has a manual release device, which allows the brake a junction of both manual release and electromagnetic release and is convenient for operation.

Operating Conditions

Rated Voltage: 380V, 400V, 415V, or be customized

Rated Frequency: 50Hz or 60Hz

Duty Type: S1 Continuous or S3-60%

Insulation Class: Class F(Temperature Rise B, $\leq 80K$)

Protection Class: IP54 or IP55

Ambient Temperature: $-15\sim 40^{\circ}C$

Altitude: Up to 1000m Above Sea Level

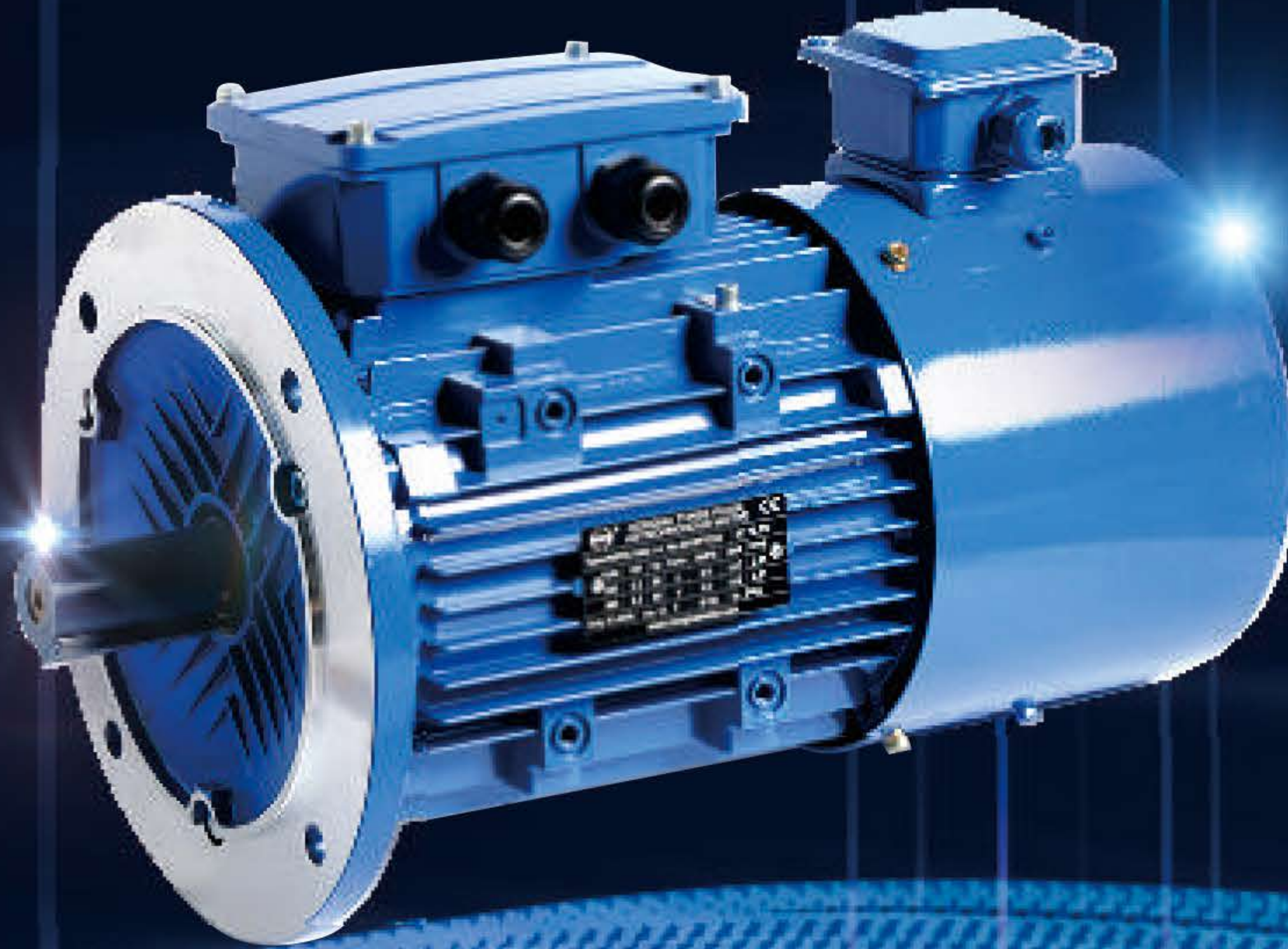
Relative Humidity: Less than 95%

Voltage of Brake: DC 99V for 3kW and below (AC 380V)

DC 170V for 4kW and above (AC 380V)

HMVP

HMVP Series Frequency-Variable Three-phase Asynchronous Motor



HMVP series variable frequency speed regulation motors are suitable for special motors powered by frequency converters and running in frequency conversion speed regulation systems. The motor adopts a squirrel-cage structure, which is reliable in operation and easy to maintain. It has a good cooling effect at all speeds. The power range is 0.12kW~31.5kW, and the frame size is H63~ H355.

HMVP series motors have the advantages of high efficiency and energy saving, wide speed range, low noise, small vibration, as well as the mechanical characteristics of low-speed constant speed output and high-speed constant power output. The installation size and power level of the motor are in full compliance with IEC standards, with good versatility and interchangeability. The motor can be widely used in machine tool, metallurgy, textile, transportation, chemical industry, mining and other industries.

Operating Conditions

Rated Voltage: 380V, 400V, 415V, or be customized

Rated Frequency: 50Hz

Duty Type: S1 Continuous

Insulation Class: Class F(Temperature Rise B, $\leq 80K$)

Protection Class: IP54 or IP55

Ambient Temperature: $-15\sim 40^{\circ}C$

Altitude: Up to 1000m Above Sea Level

Cooling Method: IC416

Connection: Star for 55kW and below

Delta for 75kW and above

HMD

HMD Series Multi-Speed Three-phase Asynchronous Motor



HMD/HMDT Series 3 phase multispeed Electric Motor derives from HM series motor, and it switches poles and output power by transforming the joint mode of winding to matching to the load performance of mechanical equipment. It complies with IEC standard on noise, start torque, vibration value and mounting and overall dimensions. The motors are characteristic in small size, light, stable, firm structure, good appearance and so on.

Operating Conditions

Rated Voltage: 380V, 400V, 415V, or be customized

Rated Frequency: 50Hz or 60Hz

Duty Type: S1 Continuous

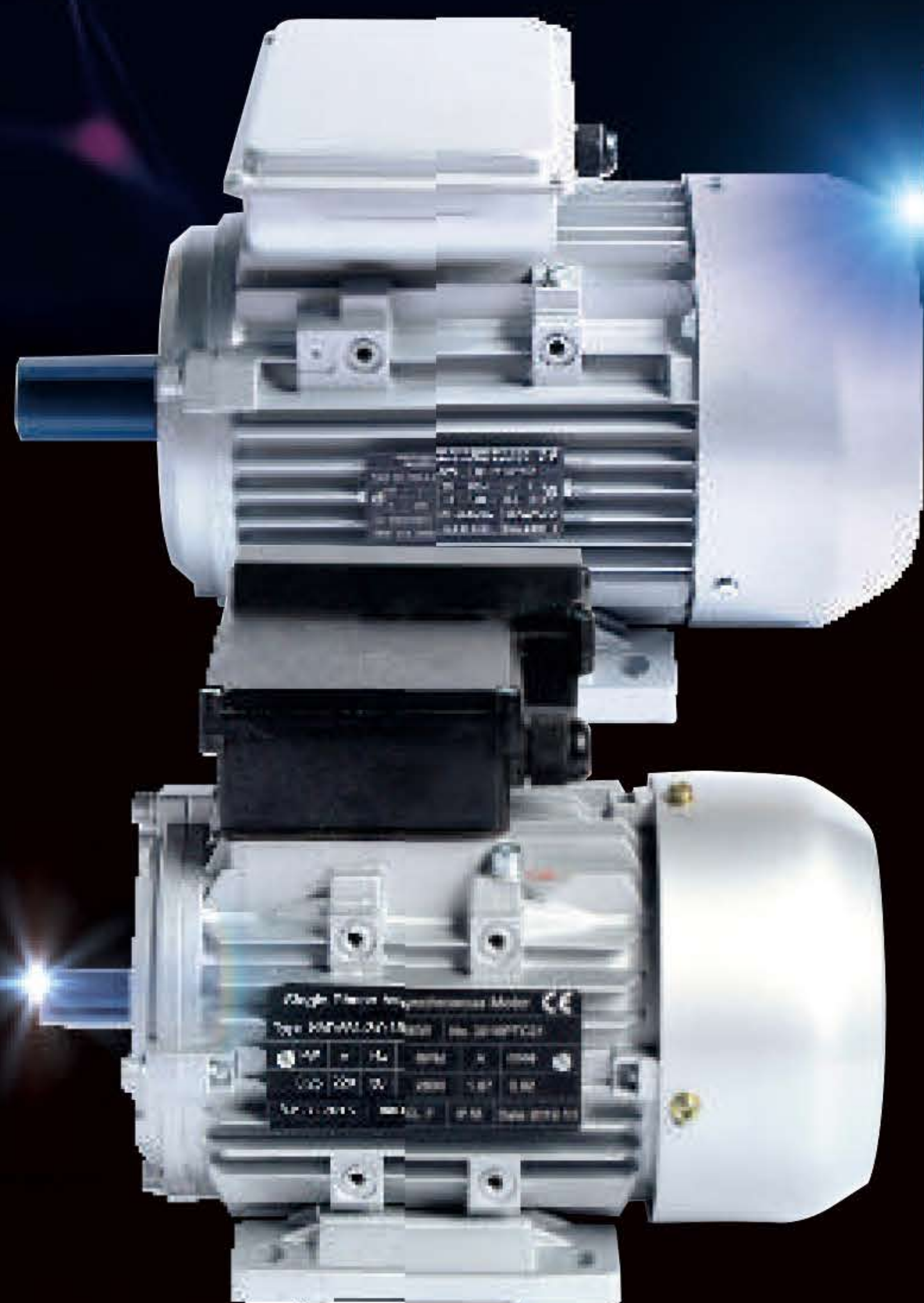
Insulation Class: Class F(Temperature Rise B, $\leq 80K$)

Protection Class: IP54 or IP55

Ambient Temperature: $-15\sim 40^{\circ}C$

Altitude: Up to 1000m Above Sea Level

Cooling Method: IC411



HMC/HMY/HML

HMC/HMY/HML SERIES

Single-phase Asynchronous Motor

Single Phase Asynchronous Motors are divided into HMC series single-phase capacitor start asynchronous motors, HMY series single-phase capacitor run asynchronous motors and HML series single-phase double-value capacitor asynchronous motors. According to IEC and national GB standards. The motor casing, front and rear end covers are made of aluminum die-casting structure, the feet are removable, and can be replaced in various installation ways according to customer request.

HMC/HMY/HML series single-phase asynchronous motors have excellent performance, featuring large starting torque, low noise, low vibration, and light weight. The power parameters and installation dimensions meet the requirements of IEC standards, and can be widely used in air compressors, water pumps, medical equipment, household machinery, etc.

Operating Conditions

Rated Voltage: 220V, 230V, 240V

Rated Frequency: 50Hz

Duty Type: S1 Continuous

Insulation Class: Class F

IP55Protection Class: IP54 or IP55

Ambient Temperature: -15~40°C

Altitude: Up to 1000m Above Sea Level

Cooling Method: IC411

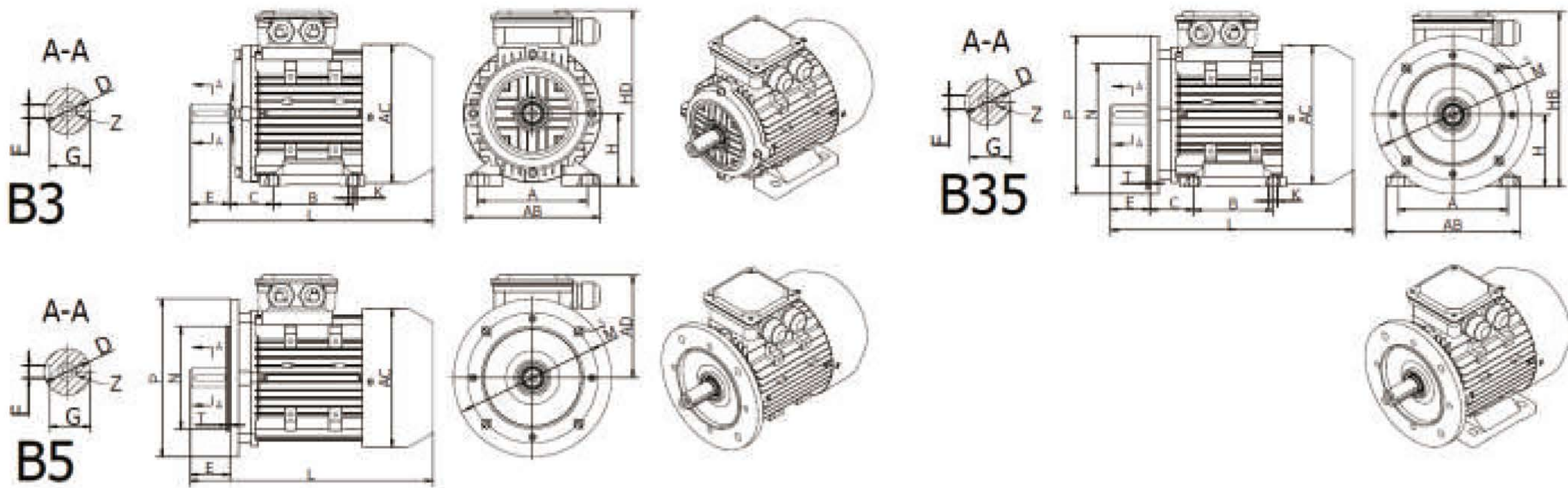
Technical Data

HMC 50Hz

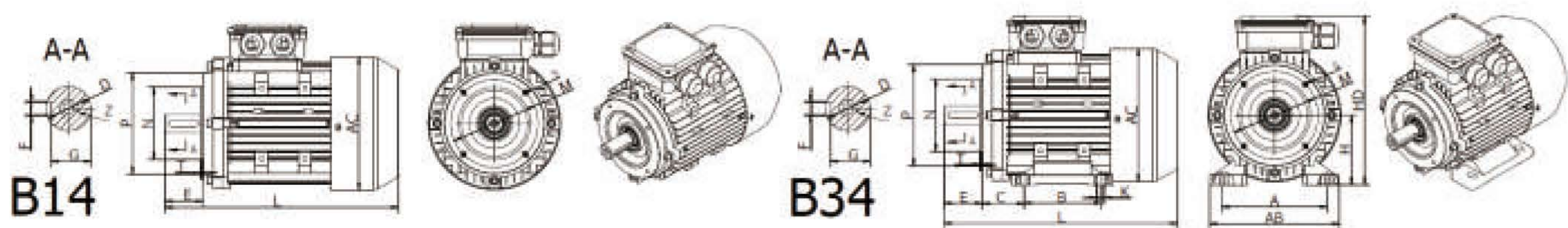
Type	Output(kw)		Rated Speed (r/min)	Efficiency $\eta\%$	Power factor $\cos\phi$	Rated current (A)			Is/In	Ts/Tn	Tmax/Tn
	kW	HP				220V	230V	240V			
HMC-71M1-2	0.18	0.25	2750	60	0.72	1.89	1.81	1.74	3.0	1.8	6.3
HMC-71M2-2	0.25	0.37	2770	64	0.74	2.40	2.30	2.20	3.0	1.8	6.3
HMC-80M1-2	0.37	0.5	2800	65	0.77	3.36	3.21	3.08	2.8	1.8	6.3
HMC-80M2-2	0.55	0.75	2810	68	0.79	4.56	4.45	4.27	2.8	1.8	6.2
HMC-90S-2	0.75	1	2820	70	0.80	6.06	5.82	5.58	2.5	1.8	6.1
HMC-90L-2	1.1	1.5	2820	72	0.80	8.68	8.30	7.96	2.5	1.8	7.2
HMC-100L1-2	1.5	2	2830	74	0.81	11.4	10.9	10.4	2.5	1.8	7.2
HMC-100L2-2	2.2	3	2830	75	0.81	16.5	15.8	15.1	2.2	1.8	7.7
HMC-112M-2	3	4	2830	76	0.82	21.9	20.9	20.1	2.2	1.8	6.9
HMC-71M1-4	0.12	0.18	1350	50	0.58	1.88	1.80	1.72	3.0	1.8	4.8
HMC-71M2-4	0.18	0.25	1370	53	0.62	2.49	2.38	2.28	2.8	1.8	4.8
HMC-80M1-4	0.25	0.37	1400	58	0.63	3.11	2.97	2.85	2.8	1.8	4.8
HMC-80M2-4	0.37	0.5	1410	62	0.64	4.24	4.05	3.89	2.5	1.8	5.0
HMC-90S-4	0.55	0.75	1420	66	0.69	5.49	5.25	5.03	2.5	1.8	5.2
HMC-90L-4	0.75	1	1420	68	0.73	6.87	6.57	6.30	2.5	1.8	5.5
HMC-100L1-4	1.1	1.5	1430	71	0.74	9.52	9.10	8.72	2.5	1.8	6.4
HMC-100L2-4	1.5	2	1430	73	0.75	12.5	11.9	11.4	2.5	1.8	6.4
HMC-112M-4	2.2	3	1430	74	0.76	17.8	17.0	16.3	2.5	1.8	6.7

HMA

Mounting Dimensions for Aluminum



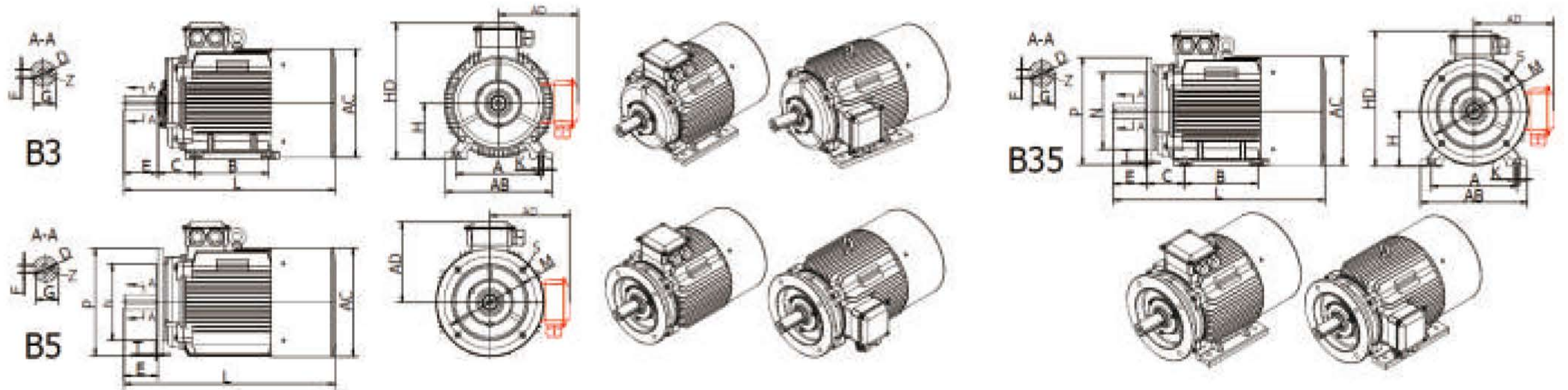
Frame Size	Mounting Dimensions															Overall Dimensions				
											B5									
	A	B	C	D	E	F	G	H	K	Z	P	M	N	S	T	AB	AC	AD	HD	L
56	90	71	36	9	20	3	7.2	56	5.8	M4×12	120	100	80	4-Φ7	3	110	111	89	145	197
63	100	80	40	11	23	4	8.5	63	7	M4×12	140	115	95	4-Φ10	3	120	120	107	170	212
71	112	90	45	14	30	5	11	71	7	M5×12	160	130	110	4-Φ10	3.5	132	133	114	185	240
80	125	100	50	19	40	6	15.5	80	10	M6×16	200	165	130	4-Φ12	3.5	152	153	122	202	290
90S	140	100	56	24	50	8	20	90	10	M8×19	200	165	130	4-Φ12	3.5	168	172	135	225	315
90L	140	125	56	24	50	8	20	90	10	M8×19	200	165	130	4-Φ12	3.5	168	172	135	225	340
100L	160	140	63	28	60	8	24	100	12	M10×22	250	215	180	4-Φ15	4	192	193	145	245	370
112M	190	140	70	28	60	8	24	112	12	M10×22	250	215	180	4-Φ15	4	222	223	165	277	395
132S	216	140	89	38	80	10	33	132	12	M12×28	300	265	230	4-Φ15	4	248	255	187	319	470
132M	216	178	89	38	80	10	33	132	12	M12×28	300	265	230	4-Φ15	4	248	255	187	319	500
160M	254	210	108	42	110	12	37	160	15	M16×36	350	300	250	4-Φ19	5	315	330	255	415	605
160L	254	254	108	42	110	12	37	160	15	M16×36	350	300	250	4-Φ19	5	315	330	255	415	680



Frame Size	Mounting Dimensions																				Overall Dimensions				
											B14-A					B14-B									
	A	B	C	D	E	F	G	H	K	Z	P	M	N	S	T	P	M	N	S	T	AB	AC	AD	HD	L
56	90	71	36	9	20	3	7.2	56	5.8	M4×12	80	65	50	4-M5	2.5	105	85	70	4-M6	2.5	110	111	89	145	197
63	100	80	40	11	23	4	8.5	63	7	M4×12	90	75	60	4-M5	2.5	120	100	80	4-M6	3	120	120	107	170	212
71	112	90	45	14	30	5	11	71	7	M5×12	105	85	70	4-M6	2.5	140	115	95	4-M8	3	132	133	114	185	240
80	125	100	50	19	40	6	15.5	80	10	M6×16	120	100	80	4-M6	3	160	130	110	4-M8	3.5	152	153	122	202	290
90S	140	100	56	24	50	8	20	90	10	M8×19	140	115	95	4-M8	3	160	130	110	4-M8	3.5	168	172	135	225	315
90L	140	125	56	24	50	8	20	90	10	M8×19	140	115	95	4-M8	3	160	130	110	4-M8	3.5	168	172	135	225	340
100L	160	140	63	28	60	8	24	100	12	M10×22	160	130	110	4-M8	3.5	200	165	130	4-M10	3.5	192	193	145	245	370
112M	190	140	70	28	60	8	24	112	12	M10×22	160	130	110	4-M8	3.5	200	165	130	4-M10	3.5	222	223	165	277	395
132S	216	140	89	38	80	10	33	132	12	M12×28	200	165	130	4-M10	3.5	250	215	180	4-M12	4	248	255	187	319	470
132M	216	178	89	38	80	10	33	132	12	M12×28	200	165	130	4-M10	3.5	250	215	180	4-M12	4	248	255	187	319	500

HMI

Mounting Dimensions for Cast Iron



Frame Size	Mounting Dimensions															Overall Dimensions				
											B5									
	A	B	C	D	E	F	G	H	K	Z	P	M	N	S	T	AB	AC	AD	HD	L
80M	125	100	50	19	40	6	15.5	80	10	M6×16	200	165	130	4-Φ12	3.5	152	153	122	202	290
90S	140	100	56	24	50	8	20	90	10	M8×19	200	165	130	4-Φ12	3.5	168	172	135	225	315
90L	140	125	56	24	50	8	20	90	10	M8×19	200	165	130	4-Φ12	3.5	168	172	135	225	340
100L	160	140	63	28	60	8	24	100	12	M10×22	250	215	180	4-Φ15	4	192	193	145	245	370
112M	190	140	70	28	60	8	24	112	12	M10×22	250	215	180	4-Φ15	4	222	223	165	277	395
132S	216	140	89	38	80	10	33	132	12	M12×28	300	265	230	4-Φ15	4	248	265	208	340	470
132M	216	178	89	38	80	10	33	132	12	M12×28	300	265	230	4-Φ15	4	248	265	208	340	500
160M	254	210	108	42	110	12	37	160	15	M16×36	350	300	250	4-Φ19	5	315	330	260	420	605
160L	254	254	108	42	110	12	37	160	15	M16×36	350	300	250	4-Φ19	5	315	330	260	420	680
180M	279	241	121	48	110	14	42.5	180	15	M16×36	350	300	250	4-Φ19	5	350	352	265	445	694
180L	279	279	121	48	110	14	42.5	180	15	M16×36	350	300	250	4-Φ19	5	350	352	265	445	732
200L	318	305	133	55	110	16	49	200	19	M20×42	400	350	300	4-Φ19	5	390	394	315	515	774
225S(4-8P)	356	286	149	60	140	18	53	225	19	M20×42	450	400	350	8-Φ19	5	435	442	335	560	820
225M(2P)	356	311	149	55	110	16	49	225	19	M20×42	450	400	350	8-Φ19	5	435	442	335	560	813
225M(4-8P)	356	311	149	60	140	18	53	225	19	M20×42	450	400	350	8-Φ19	5	435	442	335	560	873
250M(2P)	406	349	168	60	140	18	53	250	24	M20×42	550	500	450	8-Φ19	5	490	481	375	625	922
250M(4-8P)	406	349	168	65	140	18	58	250	24	M20×42	550	500	450	8-Φ19	5	490	481	375	625	922
280S(2P)	457	368	190	65	140	18	58	280	24	M20×42	550	500	450	8-Φ19	5	547	550	400	680	991
280M(2P)	457	419	190	65	140	18	58	280	24	M20×42	550	500	450	8-Φ19	5	547	550	400	680	1040
280S(4-8P)	457	368	190	75	140	20	67.5	280	24	M20×42	550	500	450	8-Φ19	5	547	550	400	680	991
280M(4-8P)	457	419	190	75	140	20	67.5	280	24	M20×42	550	500	450	8-Φ19	5	547	550	400	680	1040
315S(2P)	508	406	216	65	140	18	58	315	28	M20×42	660	600	550	8-Φ24	6	630	600	540	855	1160
315M(2P)	508	457	216	65	140	18	58	315	28	M20×42	660	600	550	8-Φ24	6	630	600	540	855	1270
315L(2P)	508	508	216	65	140	18	58	315	28	M20×42	660	600	550	8-Φ24	6	630	600	540	855	1270
315S(4-10P)	508	406	216	80	170	22	71	315	28	M20×42	660	600	550	8-Φ24	6	630	600	540	855	1190
315M(4-10P)	508	457	216	80	170	22	71	315	28	M20×42	660	600	550	8-Φ24	6	630	600	540	855	1300
315L(4-10P)	508	508	216	80	170	22	71	315	28	M20×42	660	600	550	8-Φ24	6	630	600	540	855	1300
355M(2P)	610	560	254	75	140	20	67.5	355	28	M20×42	800	740	680	8-Φ24	6	730	710	655	1010	1500
355L(2P)	610	630	254	75	140	20	67.5	355	28	M20×42	800	740	680	8-Φ24	6	730	710	655	1010	1500
355M(4-10P)	610	560	254	95	170	25	86	355	28	M20×42	800	740	680	8-Φ24	6	730	710	655	1010	1530
355L(4-10P)	610	630	254	95	170	25	86	355	28	M20×42	800	740	680	8-Φ24	6	730	710	655	1010	1530