

ELECTRIC MOTORS THREE PHASE



1E... Electric Motors Three Phase

Features

Energy efficiency EFF1, EFF2

Terminal base can be rotated 360° in steps of 90°

Detachable feet flexible mounting

Dimension Confirming to International Standards IEC72-1 and IS:1231, IS:2223

Mounting Position as per International Standards IEC34-7 and IS:2253 are B3, B5, B14 and B35

Motors are enclosed and fan cooled

Frame sizes up to 132 are light weight aluminum alloy die cast

Motors are multi voltage, multi frequency (50/60Hz), F class insulation, S1 continuous duty service, IP55 protection, 1 or 2 efficiency class

Low noise and high reliability been obtained by using shielded bearing with C3 clearance, the rotor been dynamically balanced to IS:12075, IEC34-14 and ISO9921/ISO8821 norms

Maximum protection been obtained by using important accessories like pull resistance cable glands, V rings & oil seals

Steel inset in bearing seats from frame size 90

Protection against corrosion and rusting due to paint RAL9006 silver color up to 132 and 160 onwards RAL5007 blue color

FeV magnetic lamination in place of conventional FePO1 material enabling High efficiency, lower heating, promote energy saving, age slower and reduce thermal stresses on insulation materials

CE mark...

2 Poles asynchronous speed 3000 rpm

EFF 2

Power KW	Power HP	Type	Frame	rpm	Current In (A)	Current Is/In	Torque Cn (Nm)	Torque Cs/Cn	Torque Cmax/Cn	Efficiency 100%	Efficiency 75%	Pwr, Fact, 100%	Pwr, Fact, 75%	LWA [dB]	J Kgm ²	Kgs
0.09	0.12	56A-2	56	2740	0.3	4.5	0.31	2.2	2.3	62.0	61.0	0.77	0.71	65	0.00010	3.5
0.12	0.18	56B-2	56	2740	0.3	4.5	0.42	2.2	2.3	64.0	63.0	0.78	0.72	65	0.00020	3.6
0.18	0.25	63A-2	63	2740	0.5	4.5	0.63	2.4	2.4	66.0	66.0	0.80	0.74	68	0.00031	4.5
0.25	0.35	63B-2	63	2750	0.6	4.5	0.87	2.5	2.6	70.0	69.0	0.81	0.75	68	0.00040	4.7
0.37	0.5	71A-2	71	2810	0.9	5.5	1.26	2.6	2.8	72.0	71.0	0.79	0.73	70	0.00055	6.0
0.55	0.75	71B-2	71	2780	1.3	5.5	1.89	3.0	3.5	73.0	73.0	0.79	0.73	70	0.00060	6.3
0.75	1	80A-2	80	2850	1.7	5.5	2.51	2.8	3.0	78.0	77.0	0.79	0.74	73	0.00075	10
1.1	1.5	80B-2	80	2850	2.4	5.5	3.7	2.6	2.9	8.0	79.0	0.80	0.75	73	0.00090	11
1.5	2	90S-2	90S	2850	3.2	5.5	5.03	2.8	3.0	81.0	81.0	0.80	0.75	75	0.00120	13
2.2	3	90L-2	90L	2840	4.4	5.5	7.40	2.3	2.6	82.5	82.0	0.85	0.80	75	0.00140	14
3.7	5	100L-2	100L	2880	7.1	6.0	12.28	2.3	2.6	85.0	84.0	0.85	0.81	76	0.00400	27
5.5	7.5	132SA-2	132S	2900	10.2	6.0	18.12	1.8	2.6	86.0	85.0	0.87	0.83	80	0.01090	40
7.5	10	132SB-2	132S	2900	13.3	6.0	24.71	1.8	2.8	86.0	87.0	0.90	0.87	80	0.01260	45
9.3	12.5	160MA-2	160M	2930	17.0	6.0	30.33	2.1	2.2	87.7	87.0	0.87	0.84	86	0.03770	110
11	15	160MB-2	160M	2930	19.9	6.0	35.87	2.2	2.3	88.5	87.5	0.87	0.84	86	0.03770	110
15	20	160MC-2	160M	2930	26.5	6.0	48.92	2.2	2.3	89.5	88.5	0.88	0.85	86	0.04990	120
18.5	25	160L-2	160L	2930	32.1	6.0	60.33	2.2	2.3	90.0	89.0	0.89	0.86	86	0.05550	135
22	30	180M-2	180M	2940	38.0	7.0	71.50	2.0	2.3	90.5	89.5	0.89	0.86	89	0.07500	165
30	40	200LA-2	200L	2950	53.7	7.0	97.17	2.0	2.3	91.4	90.3	0.85	0.83	92	0.12400	217
37	50	200LB-2	200L	2950	66.3	7.0	119.84	2.0	2.3	91.4	90.8	0.85	0.83	92	0.13900	243
45	60	225M-2	225M	2970	76.0	7.0	144.77	2.0	2.3	92.5	90.9	0.89	0.85	92	0.23300	320
55	75	250M-2	250M	2970	95.7	7.0	176.94	2.0	2.3	93.0	91.9	0.86	0.84	93	0.31200	390
75	100	280S-2	280S-2	2970	129.6	7.0	241.29	2.0	2.3	93.6	93.0	0.86	0.84	94	0.57900	540
90	120	280M-2	280M	2970	148.2	7.0	289.54	2.0	2.3	93.9	93.0	0.90	0.85	94	0.67500	590
110	150	315S-2	315S	2975	178.9	7.0	353.29	1.8	2.2	94.0	93.0	0.91	0.86	96	1.18000	880
132	180	315MA-2	315M	2975	213.6	7.0	423.95	1.8	2.2	94.5	93.5	0.91	0.86	96	1.82000	1000
160	215	315LA-2	315L	2975	255.8	7.0	513.88	1.8	2.2	94.6	93.5	0.92	0.87	99	2.08000	1055
200	270	315LB-2	315L	2975	319.0	7.0	642.35	1.8	2.2	94.8	93.8	0.92	0.87	99	2.38000	1110
250	340	355M-2	355M	2975	396.7	7.0	802.94	1.8	2.2	95.3	94.0	0.92	0.88	103	3.00000	1900
315	430	355L-2	355L	2975	498.3	7.0	1011.70	1.8	2.2	95.6	94.2	0.92	0.88	103	3.50000	2300

● Efficiency is without seals. ● All these performance values are declared at rated voltage 415 & frequency 50 Hz and are subjected to tolerances as per IS : 325 & IS : 12615.

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4 Poles asynchronous speed 1500 rpm

EFF 2

Power KW	Power HP	Type	Frame	rpm	Current I _n (A)	Current Is/h	Torque C _n (Nm)	Torque Cs/Cn	Torque C _{max} /C _n	Efficiency 100%	Efficiency 75%	Pwr. Fact. 100%	Pwr. Fact. 75%	LwA (dB)	J Kg ^m ²	Kgs
0.06	0.09	56A-4	56	1325	0.2	4.0	0.43	2.0	2.1	56.0	55.5	0.69	0.61	52	0.00015	3.5
0.09	0.12	56B-4	56	1325	0.3	4.0	0.65	2.0	2.1	58.0	57.5	0.70	0.61	52	0.00015	3.6
0.12	0.18	63A-4	63	1350	0.4	4.0	0.85	2.2	2.2	60.0	60.0	0.70	0.64	52	0.00030	4.5
0.18	0.25	63B-4	63	1380	0.5	4.0	1.25	2.4	2.4	67.0	66.0	0.70	0.64	52	0.00040	4.7
0.25	0.35	71A-4	71	1350	0.7	4.0	1.77	2.3	2.3	68.0	67.0	0.70	0.62	60	0.00050	6.0
0.37	0.5	71B-4	71	1350	1.0	4.0	2.60	2.3	2.3	71.0	71.0	0.70	0.60	60	0.00080	6.3
0.55	0.75	80A-4	80	1380	1.5	4.5	3.81	2.5	3.0	74.0	74.0	0.71	0.55	65	0.00180	10
0.75	1	80B-4	80	1385	1.9	4.5	5.17	2.5	3.0	75.5	75.0	0.71	0.64	65	0.00210	11
1.1	1.5	90S-4	90S	1390	2.7	5.0	7.56	2.1	2.2	78.0	77.5	0.73	0.67	61	0.00230	13
1.5	2	90L-4	90L	1400	3.5	5.0	10.24	2.8	3.0	78.5	77.5	0.76	0.70	72	0.00270	14
2.2	3	100LA-4	100L	1445	4.9	5.0	14.55	2.8	2.8	82.0	82.0	0.76	0.72	64	0.00670	25
3.7	5	112M-4	112M	1445	7.9	5.0	24.47	2.1	2.2	85.0	84.5	0.77	0.73	65	0.00950	28
5.5	7.5	132S-4	132S	1445	11.3	5.5	36.37	1.9	2.2	86.5	86.5	0.78	0.72	71	0.02140	45
7.5	10	132MA-4	132M	1455	15.0	5.5	49.25	2.0	2.2	87.0	87.0	0.80	0.74	71	0.02960	55
9.3	12.5	160MA-4	160M	1460	17.6	6.0	60.86	2.2	2.3	87.7	87.0	0.84	0.80	75	0.07470	118
11	15	160MB-4	160M	1460	20.4	6.0	71.99	2.2	2.3	88.4	88.0	0.85	0.80	75	0.07470	118
15	20	160L-4	160L	1470	27.5	6.0	97.50	2.2	2.3	89.4	88.5	0.85	0.80	75	0.09180	132
18.5	25	180M-4	180M	1470	32.1	6.5	120.25	2.2	2.3	90.0	89.5	0.89	0.84	76	0.13900	164
22	30	180L-4	180L	1470	38.4	6.5	143.0	2.2	2.3	90.5	90.0	0.88	0.83	76	0.15800	182
30	40	200L-4	200L	1470	51.9	6.5	195.0	2.2	2.3	91.4	91.0	0.88	0.84	79	0.26200	245
37	50	225S-4	225S	1480	64.3	6.5	238.9	2.2	2.3	92.0	91.5	0.87	0.83	81	0.40600	258
45	60	225M-4	225M	1480	76.0	6.5	290.5	2.2	2.3	92.5	92.0	0.89	0.84	81	0.46900	290
55	75	250M-4	250M	1480	92.4	6.5	355.1	2.2	2.3	93.0	92.5	0.89	0.84	81	0.66000	388
75	100	280S-4	280S	1480	125.3	7.0	484.2	2.2	2.3	93.6	93.0	0.89	0.85	86	1.12000	510
90	120	280M-4	280M	1480	149.8	7.0	581.0	2.2	2.3	93.9	93.2	0.89	0.86	86	1.46000	606
110	150	315S-4	315S	1480	182.2	6.5	710.2	2.1	2.2	94.4	94.0	0.89	0.86	93	3.11000	910
132	180	315M-4	315M	1480	217.9	6.5	852.2	2.1	2.2	94.7	94.0	0.89	0.86	93	3.62000	1000
160	220	315LA-4	315L	1480	264.1	6.5	1033.0	2.1	2.2	94.7	94.0	0.89	0.86	97	4.13000	1055
200	270	315LB-4	315L	1480	329.1	6.5	1291.2	2.1	2.2	95.0	94.2	0.89	0.86	97	4.73000	1128
250	340	355M-4	355M	1480	405.5	6.5	1614.0	2.1	2.2	95.3	94.5	0.90	0.86	101	6.50000	1700
315	430	355L-4	355L	1480	509.3	6.5	2033.7	2.1	2.2	95.6	94.8	0.90	0.86	101	8.20000	1900

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6 Poles asynchronous speed 1000 rpm

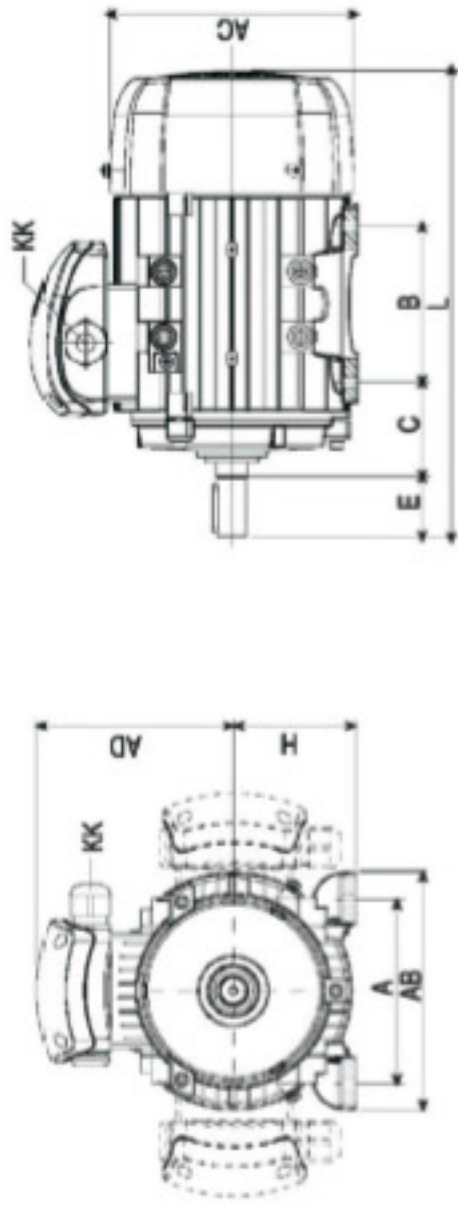
Power KW	Power HP	Type	Frame	rpm	Current I _n (A)	Current I _s /I _n	Torque C _n (Nm)	Torque C _s /C _n	Torque C _{max} /C _n	Efficiency 100%	Efficiency 75%	Pwr. Fact. 100%	Pwr. Fact. 75%	LwA (dB)	J Kgm ²	Kgs
0.18	0.25	71A-6	71	900	0.6	4.0	1.91	2.5	2.2	60.0	60.0	0.68	0.60	52	0.00140	6.3
0.25	0.35	71B-6	71	900	0.9	4.0	2.65	2.2	2.2	60.0	60.0	0.68	0.61	52	0.00140	6.3
0.37	0.5	80A-6	80	925	1.1	4.0	3.82	2.2	2.0	67.0	67.0	0.69	0.64	54	0.00190	11
0.55	0.75	80B-6	80	900	1.6	4.0	5.84	2.1	2.1	69.0	69.0	0.70	0.65	54	0.00190	11
0.75	1	90S-6	90S	920	2.0	4.0	7.79	2.1	2.1	72.0	72.0	0.71	0.65	57	0.00290	13
1.1	1.5	90L-6	90L	920	2.8	4.5	11.42	2.0	2.0	76.0	75.0	0.71	0.65	57	0.00350	14
1.5	2	100L-6	100L	920	3.8	4.5	15.58	2.0	2.1	77.0	76.0	0.72	0.65	61	0.00690	23
2.2	3	112M-6	112M	930	5.2	4.0	22.60	1.9	2.0	81.0	80.0	0.74	0.67	65	0.01400	25
3.7	5	132MA-6	132M	950	8.3	5.0	37.21	1.9	2.1	85.0	84.0	0.73	0.65	69	0.03570	45
5.5	7.5	132MB-6	132M	960	12.1	5.5	54.74	1.8	2.1	85.5	84.5	0.74	0.69	69	0.04490	55
7.5	10	160M-6	160M	965	16.1	5.5	74.26	2.0	2.1	86.5	86.0	0.75	0.69	73	0.00810	78
9.3	12.5	160LA-6	160L	965	19.6	5.5	92.08	2.0	2.1	87.0	86.5	0.76	0.70	73	0.11600	90
11	15	160LB-6	160L	970	22.3	5.5	108.35	2.0	2.1	88.0	87.5	0.78	0.71	73	0.11600	90
15	20	180L-6	180L	970	28.9	6.5	147.76	2.0	2.1	89.0	88.5	0.81	0.74	73	0.20700	160
18.5	25	200LA-6	200L	970	35.5	6.5	182.23	2.0	2.1	89.5	89.0	0.81	0.75	76	0.31500	217
22	30	200LB-6	200L	970	41.0	6.5	216.71	2.0	2.1	90.0	89.5	0.83	0.75	76	0.36000	244
30	40	225M-6	225M	980	54.6	6.5	292.50	2.0	2.1	91.0	90.0	0.84	0.77	76	0.54700	295
37	50	250M-6	250M	980	66.2	6.5	360.75	2.0	2.1	91.5	91.0	0.85	0.79	78	0.84300	365
45	60	280S-6	280S	980	79.1	6.5	438.75	2.0	2.1	92.0	91.5	0.86	0.80	80	1.39000	500
55	75	280M-6	280M	980	96.2	6.5	536.25	2.0	2.1	92.5	92.0	0.86	0.80	85	1.65000	545
75	100	315S-6	315S	980	130.5	6.5	731.25	2.0	2.0	93.0	92.5	0.86	0.80	85	4.11000	810
90	120	315MA-6	315M	980	156.1	6.5	877.49	2.0	2.0	93.3	93.0	0.86	0.80	85	4.78000	900
110	150	315LA-6	315L	980	190.3	6.5	1072.49	2.0	2.0	93.5	93.0	0.86	0.80	85	5.45000	1010
132	180	315LB-6	315L	980	228.4	6.5	1286.99	2.0	2.0	93.5	93.0	0.86	0.80	85	6.12000	1140
160	220	355MA-6	355M	980	269.1	6.5	1559.99	1.9	2.0	94.0	93.5	0.88	0.80	92	9.50000	1550
200	270	355MB-6	355M	980	334.6	6.5	1949.99	1.9	2.0	94.5	93.5	0.88	0.80	92	10.40000	1600
250	340	355L-6	355L	980	418.2	6.5	2437.48	1.9	2.0	94.5	93.5	0.88	0.80	92	12.40000	1700

● Efficiency is without seals. ● All above performance values are declared at rated voltage 415 & frequency 50 Hz and are subjected to tolerances as per IS : 325 & IS : 12615

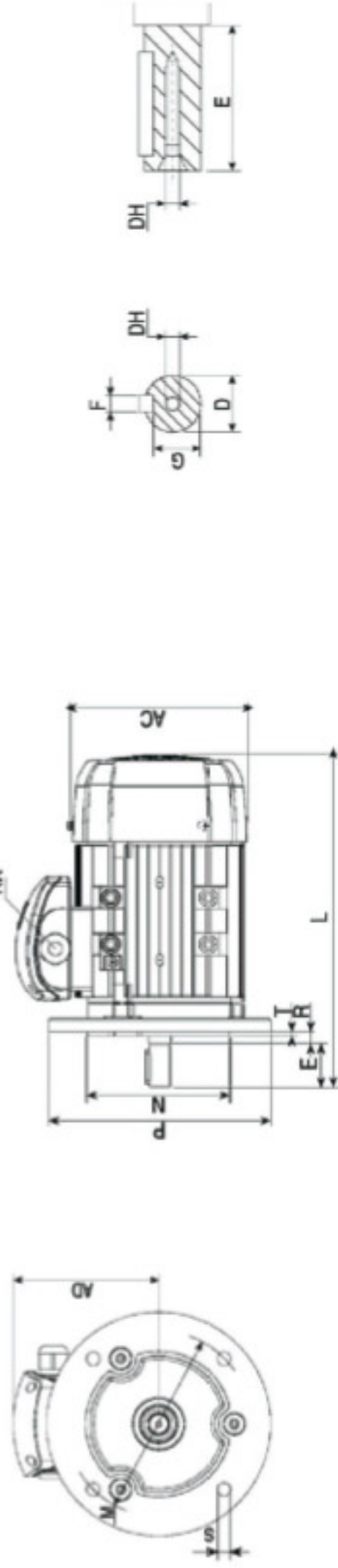
Power KW	Power HP	Type	Frame	rpm	Current In (A)	Current Is/In	Torque Cn (Nm)	Torque Cs/Cn	Torque Cmax/Cn	Efficiency 100%	Efficiency 75%	Pwr. Fact. 100%	Pwr. Fact. 75%	LwA (dB)	J Kg ^m ²	Kg
1.5	2	112M-8	112M	690	4.0	5.0	20.77	1.8	2.0	75.0	74.5	0.69	0.60	61	0.02450	28
2.2	3	132S-8	132S	705	5.5	6.0	29.82	1.8	2.0	78.0	77.0	0.71	0.65	64	0.03140	45
3.7	5	160MA-8	160M	720	6.7	6.0	49.10	1.9	2.0	81.0	80.0	0.73	0.66	68	0.07530	105
5.5	7.5	160MB-8	160M	720	12.5	6.0	72.99	2.0	2.0	83.0	82.0	0.74	0.67	68	0.09310	115
7.5	10	160L-8	160L	720	16.3	6.0	99.53	2.0	2.0	85.5	85.0	0.75	0.67	68	0.12600	135
11	15	180L-8	180L	730	23.0	5.5	143.98	2.0	2.0	87.5	87.0	0.76	0.68	70	0.20300	160
15	20	200L-8	200L	730	31.2	6.6	196.33	2.0	2.0	88.0	87.5	0.76	0.68	73	0.33900	235
18.5	25	225S-8	225S	730	38.1	6.6	242.15	1.9	2.0	89.0	88.5	0.76	0.68	73	0.49100	242
22	30	225M-8	225M	730	43.4	6.6	287.96	1.9	2.0	90.5	90.0	0.78	0.70	73	0.54700	285
30	40	250M-8	250M	730	58.1	6.6	392.67	1.9	2.0	91.0	90.0	0.79	0.72	75	0.84300	390
37	50	280S-8	280S	730	71.2	6.6	484.29	1.9	2.0	91.5	90.5	0.79	0.73	76	1.93000	500
45	60	280M-8	280M	735	86.1	6.6	585.00	1.8	2.0	92.0	91.5	0.79	0.73	76	1.65000	580
55	75	315S-8	315S	735	101.8	6.6	715.00	1.8	2.0	92.8	92.0	0.81	0.75	82	4.79000	790
75	100	315MA-8	315M	735	138.5	6.6	974.99	1.8	2.0	93.0	92.5	0.81	0.75	82	5.58000	970
90	120	315MB-8	315M	735	162.8	6.6	1169.99	1.8	2.0	93.8	93.0	0.82	0.76	82	6.37000	1055
110	150	315MC-8	315M	735	198.5	6.6	1429.99	1.8	2.0	94.0	93.5	0.82	0.76	82	7.23000	1118

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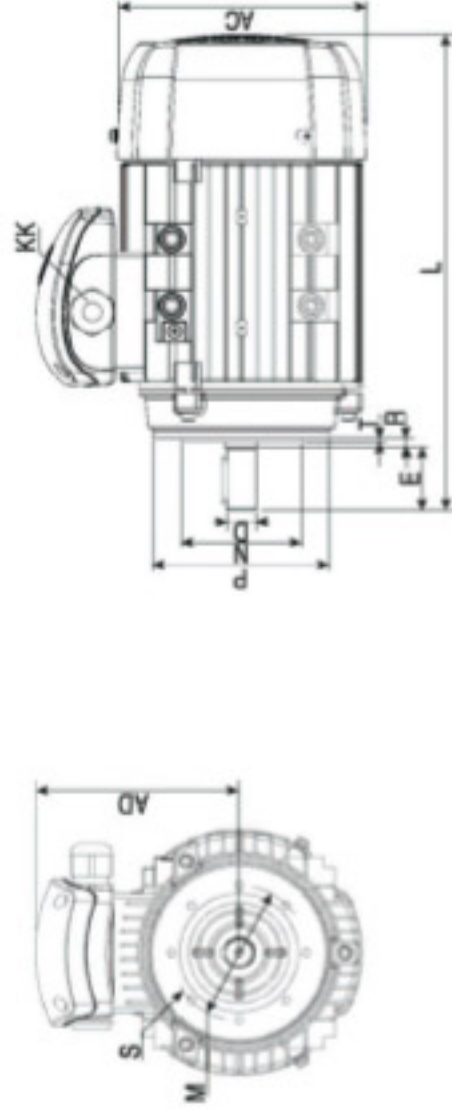
B3



B5, B3/B5



B14



TYPE	POLES	B3													B5, B3/B5						B14							
		AC	AD	H	KX	L	D	DH	E	F	G	A	AB	B	C	K	M	N	P	R	S	T	M	N	P	R	S	T
56	2-6	120	102	56	M16	164	9	M4x12	20	3	7.2	90	111	71	36	5.8	100	80	120	0	7	3	65	50	80	0	M5	2.5
63	2-6	122	114	63	M20	212	11	M4x12	23	4	8.5	100	123	80	40	7	115	95	140	0	10	3	75	60	90	0	M5	2.5
71	2-6	139	119	71	M20	240	14	M5X12	30	5	11.0	112	138	90	45	7	130	110	160	0	10	3.5	85	70	105	0	M6	2.5
80	2-6	157	130	80	M20	276	19	M6X16	40	6	15.5	125	157	100	50	10	165	130	200	0	12	3.5	100	80	120	0	M6	3.0
90S	2-6	176	145	90	M20	305	24	M6X19	50	8	20.0	140	173	100	56	10	165	130	200	0	12	3.5	115	95	140	0	M6	3.0
90L	2-6	176	145	90	M20	330	24	M6X19	50	8	20.0	140	173	125	56	10	165	130	200	0	12	3.5	115	95	140	0	M6	3.0
100	2-6	197	170	100	M20	371	28	M10X22	60	8	24.0	160	196	140	63	12	215	180	250	0	15	4	130	110	160	0	M6	3.5
112M	2-6	221	177	112	M25	380	28	M10X22	60	8	24.0	180	227	140	70	12	215	180	250	0	15	4	130	110	160	0	M6	3.5
132S	2-6	260	197	132	2xM32	455	38	M12X28	80	10	33.0	216	262	140	89	12	265	230	300	0	15	4	165	130	200	0	M10	3.5
132M	2-6	260	197	132	2xM32	495	38	M12X28	80	10	33.0	216	262	178	89	12	265	230	300	0	15	4	165	130	200	0	M10	3.5
160M	2-6	315	255	160	2xM40	615	42	M16X36	110	12	37.0	254	320	210	108	15	300	250	350	0	19	5	215	180	250	0	M12	4.0
160L	2-6	315	255	160	2xM40	670	42	M16X36	110	12	37.0	254	320	254	108	15	300	250	350	0	19	5	215	180	250	0	M12	4.0
180M	2-6	380	280	180	2xM40	700	48	M16X36	110	14	42.5	279	355	241	121	15	300	250	350	0	19	5	215	180	250	0	M12	4.0
180L	2-6	380	280	180	2xM40	740	48	M16X36	110	14	42.5	279	355	279	121	15	300	250	350	0	19	5	215	180	250	0	M12	4.0
200L	2-6	420	305	200	2xM50	770	55	M20X42	110	16	49.0	318	395	305	133	19	350	300	400	0	19	5	215	180	250	0	M12	4.0
225S	4-6	470	335	225	2xM50	815	60	M20X42	140	18	53.0	356	435	286	149	19	400	350	450	0	19	5	215	180	250	0	M12	4.0
225M	2	470	335	225	2xM50	820	55	M20X42	110	16	53.0	356	435	311	149	19	400	350	450	0	19	5	215	180	250	0	M12	4.0
225M	4-6	470	335	225	2xM50	845	60	M20X42	140	18	56.0	356	435	311	149	19	400	350	450	0	19	5	215	180	250	0	M12	4.0
250M	2	510	370	250	2xM63	910	60	M20X42	140	18	56.0	406	490	349	168	24	500	450	550	0	19	5	215	180	250	0	M12	4.0
250M	4-6	510	370	250	2xM63	910	65	M20X42	140	18	67.5	406	490	349	168	24	500	450	550	0	19	5	215	180	250	0	M12	4.0
280S	2	580	410	280	2xM63	985	65	M20X42	140	18	58.0	457	550	368	190	24	500	450	550	0	19	5	215	180	250	0	M12	4.0
280S	4-6	580	410	280	2xM63	985	75	M20X42	140	20	67.5	457	550	368	190	24	500	450	550	0	19	5	215	180	250	0	M12	4.0
280M	2	580	410	280	2xM63	1035	65	M20X42	140	18	58.0	457	550	419	190	24	500	450	550	0	19	5	215	180	250	0	M12	4.0
280M	4-6	580	410	280	2xM63	1035	75	M20X42	140	20	71.0	457	550	419	190	24	500	450	550	0	19	5	215	180	250	0	M12	4.0
315S	2	645	530	315	2xM63	1160	65	M20X42	140	18	58.0	508	635	406	216	28	600	550	660	0	24	6	215	180	250	0	M12	4.0
315S	4-6	645	530	315	2xM63	1270	80	M20X42	170	22	71.0	508	635	406	216	28	600	550	660	0	24	6	215	180	250	0	M12	4.0
315M	2	645	530	315	2xM63	1190	65	M20X42	140	18	58.0	508	635	457	216	28	600	550	660	0	24	6	215	180	250	0	M12	4.0
315M	4-6	645	530	315	2xM63	1300	80	M20X42	170	22	71.0	508	635	457	216	28	600	550	660	0	24	6	215	180	250	0	M12	4.0
315L	2	645	530	315	2xM63	1190	65	M20X42	140	18	58.0	508	635	508	216	28	600	550	660	0	24	6	215	180	250	0	M12	4.0
315L	4-6	645	530	315	2xM63	1300	80	M20X42	170	22	71.0	508	635	508	216	28	600	550	660	0	24	6	215	180	250	0	M12	4.0
355M	2	710	655	355	2xM63	1500	75	M20X42	140	20	67.5	610	730	500	254	28	740	680	800	0	24	6	215	180	250	0	M12	4.0
355M	4-6	710	655	355	2xM63	1530	95	M20X42	170	25	86.0	610	730	500	254	28	740	680	800	0	24	6	215	180	250	0	M12	4.0
355L	2	710	655	355	2xM63	1500	75	M20X42	140	20	67.5	610	730	630	254	28	740	680	800	0	24	6	215	180	250	0	M12	4.0
355L	4-6	710	655	355	2xM63	1530	95	M20X42	170	25	86.0	610	730	630	254	28	740	680	800	0	24	6	215	180	250	0	M12	4.0

• All dimensions are in mm unless otherwise specified.
 • In view of our constant endeavour to improve the quality of our products, we reserve the right to alter or change specifications without prior notice.