

HIGH EFFICIENT ALUMINIUM HOUSING THREE PHASE INDUCTION MOTORS



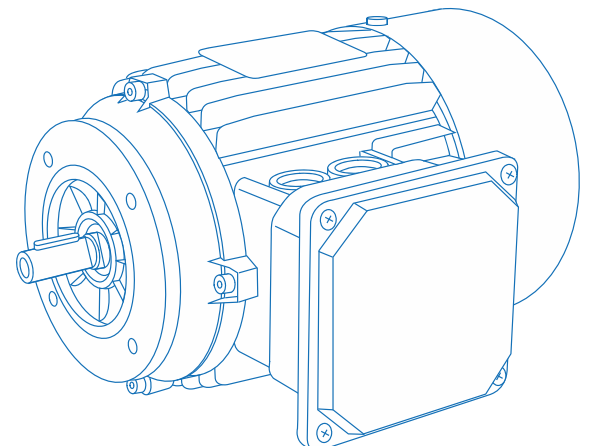
MOTOR FEATURES

- » Rated outputs and frame sizes in accordance with IEC60034 standards
- » Duty type S1 (continuous duty) with sufficient thermal margin to withstand short overload
- » Enclosure protection IP55
- » Insulation class F
- » Maximum ambient 40°C
- » Altitude ≤ 1000 m a.s.l.

IE2 Efficiency
Conform to IEC/EN60034-30:IE2

GENERAL SPECIFICATIONS

- » Terminal box rotates 4 x 90°
- » Removable feet, multi mount – terminal box left or right hand side
- » Enclosed shaft key





Energy-saving motor with copper in the rotor

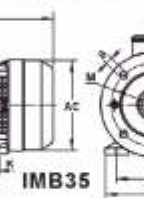
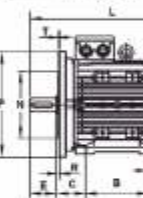
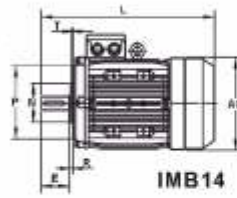
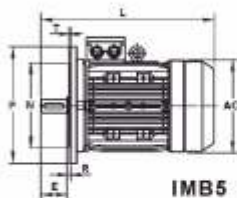
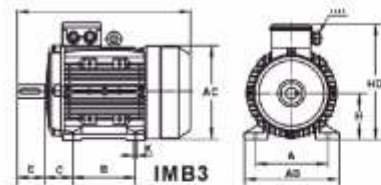
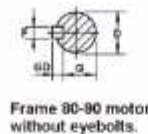
Rotor with permanent magnets



HIGH EFFICIENT ALUMINIUM HOUSING THREE PHASE INDUCTION MOTORS

Model	Power kW	Current (A) 400V	Full load speed RPM	Efficiency % by 100% FL	Power factor cos ϕ	Ts / Tn (times)	Is / In (times)	Noise dB(A)	Weight kg
UBAT56A2	0,09	0,36	2710	53	0,72	2,2	4	58	2,60
UBAT56B2	0,12	0,40	2700	61	0,72	2,2	4	58	3,00
UBAT56S2	0,18	0,55	2710	63	0,75	2,2	6	61	4,00
UBAT63A2	0,18	0,55	2710	63	0,75	2,2	6	61	4,00
UBAT63B2	0,25	0,71	2710	65	0,78	2,2	6	61	4,20
UBAT63S2	0,37	1,05	2710	65	0,78	2,2	6	62	4,70
UBAT71A2	0,37	0,97	2730	70	0,79	2,2	6	64	5,20
UBAT71B2	0,55	1,42	2760	71	0,79	2,2	6	64	6,00
UBAT71S2	0,75	1,83	2730	72	0,82	2,2	6	65	7,00
UBAT80A2	0,75	1,77	2770	73	0,84	2,2	6	67	8,70
UBAT80B2	1,1	2,51	2770	76,2	0,83	2,2	6	67	10,00
UBAT80S2	1,5	3,32	2800	78,5	0,83	2,2	6	70	11,20
UBAT90S2	1,5	3,28	2840	78,5	0,84	2,2	6	72	12,00
UBAT90Lk2	2,2	4,61	2840	81	0,85	2,2	6	72	14,50
UBAT90L2	3	6,10	2840	82,6	0,86	2,2	6	74	15,00
UBAT100Lk2	3	6,03	2840	82,6	0,87	2,2	7	76	20,00
UBAT100L2	4	7,88	2850	84,2	0,87	2,2	7,5	77	24,00
UBAT112M2	4	7,88	2880	84,2	0,87	2,2	7,5	77	26,00
UBAT112L2	5,5	10,5	2880	85,7	0,88	2,2	7,5	78	29,30
UBAT132Sk2	5,5	10,5	2900	85,7	0,88	2	7,5	80	38,40
UBAT132M2	7,5	14,1	2920	87	0,88	2	7,5	80	41,30
UBAT132Mk2	9,2	17,3	2930	88	0,89	2	7,5	81	48,20
UBAT132M2	11	20,0	2930	88,4	0,9	2	7,5	83	52,50
UBAT160Mk2	11	20,0	2940	88,4	0,9	2	7,5	86	76,00
UBAT160M2	15	26,6	2940	89,4	0,91	2	7,5	86	77,50
UBAT160L2	18,5	32,6	2940	90	0,91	2	7,5	86	92,00
UBAT180M2	22	39,2	2950	90	0,9	2	7,5	91	121,0
UBAT200Lk2	30	52,8	2950	91,2	0,9	2	7,5	94	144,0
UBAT200L2	37	64,5	2940	92	0,9	2	7,5	94	151,0

Installation Dimensions



IEC Frame No.	Mounting Dimensions (mm)																					Overall Dimensions (mm)					Cable Glands KK	
	IMB3 Foot Mounting										IMB5 Flange						IMB14 Face											
	A	B	C	D	E	F	GD	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AB	AC	AD	HD		L
80M	125	100	50	19	40	6	6	15,5	80	10	165	130	200	0	12	3,5	100	80	120	0	M8	3,0	162	157	135	215	305	M20×1,5
90S	140	100	56	24	50	8	7	20	90	10	165	130	200	0	12	3,5	115	95	140	0	M8	3,0	176	175	145	235	325	M20×1,5
90L	140	125	56	24	50	8	7	20	90	10	165	130	200	0	12	3,5	115	95	140	0	M8	3,0	176	175	145	235	325	M20×1,5
100L	160	140	83	28	60	8	7	24	100	12	215	180	250	0	14,5	4,0	130	110	160	0	M8	3,5	205	200	155	255	395	M20×1,5
112M	190	140	70	28	60	8	7	24	112	12	215	180	250	0	14,5	4,0	130	110	160	0	M8	3,5	220	221	175	287	400	M25×1,5
132S	216	140	89	38	80	10	8	33	132	12	265	230	300	0	14,5	4,0	165	130	200	0	M10	3,5	255	260	193	325	465	M25×1,5
132M	216	178	89	38	80	10	8	33	132	12	265	230	300	0	14,5	4,0	165	130	200	0	M10	3,5	255	260	193	325	510	M25×1,5
160M	254	210	108	42	110	12	8	37	160	14,5	300	250	350	0	18,5	5,0	215	180	250	0	M12	4,0	295	315	235	395	610	M32×1,5
160L	254	254	108	42	110	12	8	37	160	14,5	300	250	350	0	18,5	5,0	215	180	250	0	M12	4,0	295	315	235	395	610	M32×1,5

NOTE: 1. IMB35 refer to the dimensions of IMB3 and IMB5.
2. Mounting dimensions comply with IEC60072-1, EN50347.
3. Tolerance of Shaft End Diameter D: $\pm 0,02$ and below; $\pm 0,03$ and $\pm 0,04$; $\pm 0,05$.
4. Tolerance of Shaft Centre Height H: $\pm 0, -0,5$.
5. Tolerance of N: j6.