Advantage LITE

Aluminium Frame
Three Phase Induction Motors
0.12 kW to 7.5 kW

TECO Australia Pty Ltd

Advantage LITE
Aluminium, 3 Phase Induction Motors

TECO Advantage LITE – is a range of high quality, Totally Enclosed Fan Cooled (TEFC), Aluminium Frame Squirrel Cage Induction motors manufactured by **TECO.**

Features
- Multi-mount frame construction, to enable terminal box to be located in any position.
- Lightweight, gives user the benefit of utilising light supporting structures, ideally suited to air movement, marine, material handling and a host of other industries.
- Complete range of mounting including PAD mounting for air movement industry.
- Brake Kit Ready, brakes ready to bolt on for low cost, quick delivery. i.e. material handling applications.

Standards
- Designed, manufactured and tested by **TECO** to the lasted International and Australian Standards –
  IEC34, IEC72, AS1359
  Quality Assurance to ISO9001
  CE marked.

MEPS (Minimum Efficiency Performance Standard)
- Motors meet or exceed the requirements of Australian Standard AS1359.5-2000 Minimum Energy performance standards requirements – table 2.1, Test Method B.

Electric Supply
- Motors are wound 380 – 415 Volt 3 phase 50 Hz and are also suitable for 440 – 480 Volt 60 Hz.
- Motors 4 kW and below are 380 - 415 Volt 50 Hz STAR connected and may also be connected 240 Volt 3 phase 50 Hz for use with single phase inverters.
- Motors 5.5 kW and larger are 380 – 415 Volt DELTA connected.

Enclosure / Cooling System
- Standard protection is IP55.
- Cooling is TEFC, IC411 to AS1359.106 with stator cooling fins extruded with the frame.
- Fan cover is heavy gauge pressed steel.
- Cooling fan material is polypropylene.

Mounting
Motors are available in the following mountings
- Foot mounted IM1001 (B3)
- Foot and Flange mounted IM2001 (B3/5)
- Flange mounted IM3001 (B5)
- Foot and C Face mounted IM2101 (B3/14A)
- C Face mounted IM3601 (B14A)
- Pad Mounted IM9201 (B30)

Above IM nominations are those for horizontal mounting, vertical mounting is also available.
All Feet and Pads are rigidly bolted to motor frame for the ultimate in mounting versatility.

Duty Rating
- All motors are continuously maximum rated type S1.

Ambient
- Motors are designed to operate in ambient conditions of -15°C to +40°C. Operation in adverse ambient should be referred to TECO.

Motor Construction
- Stator frames are from a high-grade aluminium alloy extrusion producing an aesthetic pleasing appearance.
- Endshields are pressure die cast aluminium alloy with a steel liner for the bearing housing for prolonged durability.
- Castings are machined to tight tolerances for accurate alignment and minimum vibration.

Stator Construction
- High Grade Electrical lamination steel as standard.
- Class F insulation with design temperature rise of class B for long motor life and thermal reserve for abnormal conditions.
- Windings are random wound double polyester enamelled copper wire and impregnated with a solventless resin and baked.

Rotor Construction
- The rotor core is made from High-Grade Electrical lamination steel and fitted to a high tensile steel shaft after rotor cage is cast.
- Rotor cage is pressure die cast high conductivity aluminium with wafter blades and balance supports integrally cast onto rotor endrings.

Bearing and Lubrication System
- Standard motors are fitted with high quality pre-lubricated double shielded ball bearings.
- V'Ring seals are provided at each end on all motors. Flanges can be fitted with an optional oil seal if required.

Balance
- Motors are dynamically balanced with half key to Class N, according to AS1359.50.

Terminal Box
- Terminal box is top mounted as standard and generously proportioned. They are rotatable through 4 x 90 ° increments and contain a six terminal connection block and earth terminal.
- Boxes are fitted with a one-piece gasket providing terminal box with an IP56 protection rating.

Rating Plate
- Stainless steel rating plate containing all the detail as specified in AS1359.4 including bearing sizes.

Finish
- All castings are chemically cleaned and de-greased.
- Phenolic primer with a lacquer final coat in Matt Black colour provides a high corrosion resistant protection with an excellent appearance.

Inverter Duty
- Motors are suitable for Inverter duty, subject to torque and speed limitations and correct installation of motor and drive.

Brake Kit Ready
- **Advantage LITE** motors are designed and machined ready to accept TECO brake kits. Brakes are failsafe spring applied DC disc type with adjustable braking torque to 200%. Brakes can also be fitted with manual hand release if required.
- An oversized terminal box, housing the brake rectifier is supplied when motor is fitted with TECO brake kit.

Testing
- All motors are routine tested to AS1359 prior to despatch.

Options
Some for the other options that are available -
- IP56, IP65 & IP66 enclosure
- Anti-condensation heaters
- Thermistor protection
- Multi-speed motors
- Airstream rated IC418
- Special paint systems / colours
- Double / non standard shaft extensions
- Encoder / Tacho fitment
- Force ventilation

Advantage LITE

Aluminium, 3 Phase Induction Motors

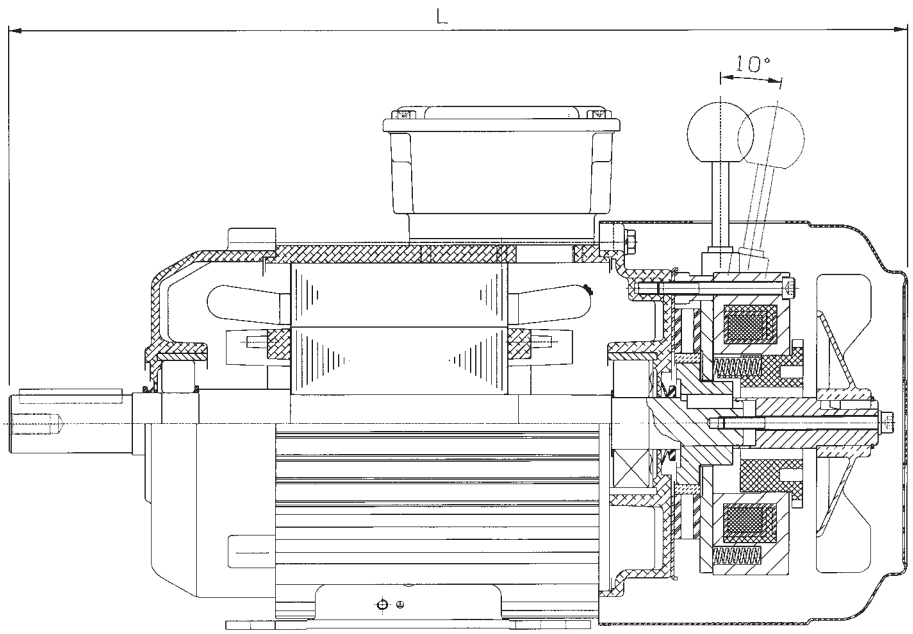
Performance Data 50 Hz

Rated Output Kw	Frame Size	Speed RPM	Efficiency %			Power Factor Cos p.u.			Current		Torque			Noise Level dB(A) no load 1metre	Moment of Inertia J=GD2 4 Kgm2	Approx. net weight IM1001 kg
			1/1	3/4	1/2	1/1	3/4	1/2	Nameplate Full Load @415Volt Amps IN	Starting Ist IN	Full load TN Nm	Starting Tst TN	Break-down Tb TN			
2 pole																
0.12	63	2770	59.0%	59.5%	56.2%	0.65	0.57	0.49	0.42	4.8	0.46	2.00	2.80	56	0.00010	4.5
0.18	63	2780	63.0%	63.3%	60.5%	0.70	0.62	0.51	0.60	4.7	0.62	2.00	2.80	56	0.00015	4.5
0.25	63	2780	64.5%	65.1%	60.4%	0.75	0.68	0.58	0.75	5.3	0.86	2.00	2.80	56	0.00018	4.5
0.37	71	2780	66.0%	66.7%	63.5%	0.83	0.77	0.69	1.0	6.0	1.27	2.00	2.80	56	0.00020	6.5
0.55	71	2780	71.0%	71.6%	68.2%	0.80	0.72	0.60	1.4	6.4	1.88	2.00	2.60	56	0.00025	6.5
0.75	80A	2800	72.6%	74.2%	71.1%	0.86	0.77	0.61	1.7	4.7	2.56	2.28	2.57	58	0.00045	9.5
1.1	80B	2800	76.8%	78.0%	75.2%	0.85	0.77	0.63	2.5	5.6	3.75	2.51	2.48	58	0.00065	11
1.5	90SA	2820	78.9%	79.0%	74.9%	0.80	0.71	0.56	3.3	6.4	5.08	2.75	2.91	58	0.00118	13.5
2.2	90LA	2830	80.0%	81.2%	79.5%	0.84	0.76	0.61	4.7	6.0	7.42	3.10	3.20	58	0.00138	14.5
3	100L	2860	82.7%	83.2%	81.2%	0.84	0.76	0.61	6.1	7.5	10.0	3.03	3.57	60	0.00275	24
4	112M	2870	86.1%	86.6%	85.3%	0.86	0.81	0.69	7.9	7.7	13.3	3.25	3.55	64	0.00453	34
5.5	132SA	2900	89.2%	89.4%	87.9%	0.90	0.86	0.77	10.6	8.1	18.1	2.59	2.80	70	0.01148	48
7.5	132SB	2900	89.1%	89.3%	87.9%	0.89	0.84	0.73	14.4	8.2	24.7	2.35	2.60	70	0.01268	53
4 pole																
0.12	63	1350	57.0%	57.6%	53.4%	0.62	0.54	0.42	0.50	4.0	0.85	2.00	2.60	54	0.00010	4.5
0.18	63	1360	60.0%	60.5%	57.4%	0.64	0.59	0.48	0.68	4.1	1.26	2.00	2.60	54	0.00015	4.5
0.25	71	1370	62.5%	63.1%	59.7%	0.67	0.61	0.50	0.87	4.6	1.74	2.00	2.50	55	0.00035	6.5
0.37	71	1375	66.5%	67.2%	63.8%	0.70	0.64	0.53	1.2	5.0	2.57	2.00	2.50	55	0.00045	6.5
0.55	80A	1395	70.5%	69.8%	65.0%	0.72	0.64	0.51	1.4	5.0	3.73	2.30	2.10	55	0.00088	9.5
0.75	80B	1400	74.5%	75.1%	71.9%	0.79	0.70	0.56	2.0	4.0	5.12	2.08	2.39	55	0.00105	11
1.1	90SA	1410	76.3%	76.7%	73.5%	0.83	0.73	0.58	2.8	4.6	7.45	1.90	2.55	53	0.00190	13.5
1.5	90LA	1415	78.2%	78.8%	76.9%	0.82	0.74	0.57	3.5	4.9	10.1	2.23	2.63	53	0.00220	14.5
2.2	100L	1420	82.8%	83.0%	80.5%	0.80	0.72	0.58	5.0	7.0	14.8	3.35	3.28	54	0.00448	24
3	100L	1425	83.0%	83.4%	81.7%	0.82	0.74	0.61	6.6	6.8	20.1	3.15	3.20	54	0.05175	24
4	112M	1430	83.8%	84.5%	83.0%	0.83	0.76	0.63	8.7	7.4	26.7	3.06	3.29	56	0.09625	34
5.5	132SA	1440	86.7%	87.0%	85.6%	0.83	0.77	0.65	11.4	8.3	36.5	2.78	3.62	62	0.01758	48
7.5	132MA	1440	86.5%	87.3%	86.4%	0.82	0.76	0.64	15.2	7.5	49.7	2.97	3.58	62	0.01998	53
6 pole																
0.18	71	890	56.0%	56.3%	53.4%	0.60	0.52	0.42	0.78	3.2	1.93	1.75	2.00	55	0.00053	6.5
0.25	71	890	60.5%	60.7%	57.7%	0.61	0.55	0.47	0.99	3.5	2.68	1.75	2.10	55	0.00060	6.5
0.37	80A	910	64.0%	64.4%	61.4%	0.62	0.57	0.45	1.4	3.9	3.88	1.75	2.10	57	0.00125	9.5
0.55	80B	900	67.5%	68.2%	64.4%	0.65	0.60	0.48	1.8	4.7	5.84	1.75	2.20	57	0.00143	11
0.75	90SB	915	72.6%	72.0%	67.3%	0.69	0.59	0.46	2.3	3.9	7.8	2.13	2.62	60	0.00250	14.5
1.1	90LB	915	75.1%	75.5%	71.2%	0.70	0.60	0.47	3.2	4.4	11.5	2.20	2.62	60	0.00310	16
1.5	100L	925	77.3%	77.7%	74.4%	0.74	0.65	0.52	4.1	4.9	15.4	2.24	2.53	61	0.00518	24
2.2	112M	940	79.7%	79.7%	77.1%	0.72	0.63	0.50	5.6	5.4	22.4	2.26	2.86	66	0.00923	34
3	132SA	945	81.5%	81.8%	77.8%	0.71	0.62	0.49	7.0	5.7	30.3	1.96	2.83	65	0.01758	48
4	132MA	950	82.7%	83.6%	82.1%	0.76	0.68	0.56	9.4	5.4	40.2	1.93	2.61	68	0.01998	53
5.5	132MB	965	84.4%	84.9%	82.3%	0.78	0.71	0.59	12.3	6.4	55.3	2.70	2.08	70	0.02238	57

Notes:

1) Output at 415V is also suitable for 380 Volt and 400 Volt operation. For 380 Volt IN x 1.092. For 400 Volt IN x 1.0375
2) Performance data is subject to AS1359.101 tolerances.
3) Noise level is the typical Mean Sound Pressure Level on no load at one metre an is subject to tolerance.

BRAKE MOTOR DETAIL

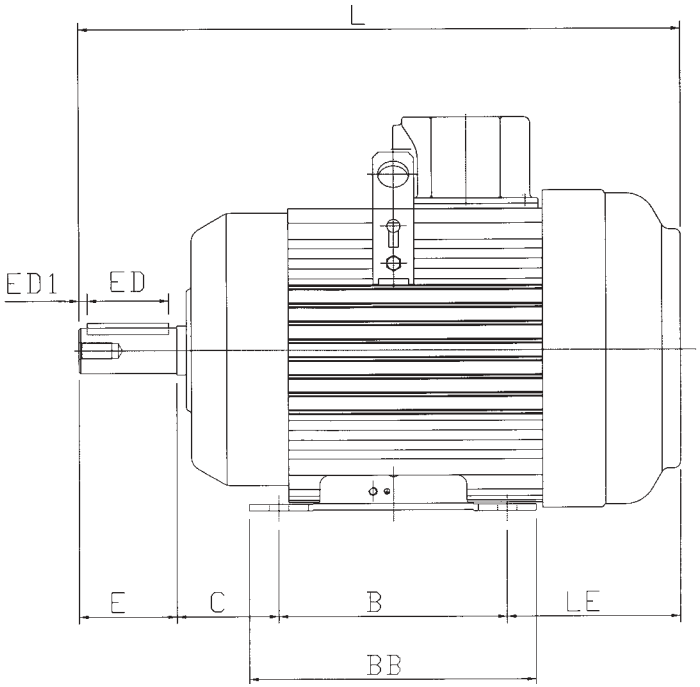


Frame size	"L" length in mm	Brake Size
D63	291	# 08
D71	289	# 08
D80	327	# 10
D90SA	370.5	#10 or 11
D90SB	388.5	#10 or 11
D90LA	385.5	#10 or 11
D90LB	400.5	#10 or 11
D100L	434	#11 or 13
D112M	474	#13 or 14
D132SA	569	#14 or 16
D132SB	589	#14 or 16
D132MA	589	#14 or 16
D132MB	604	#14 or 16

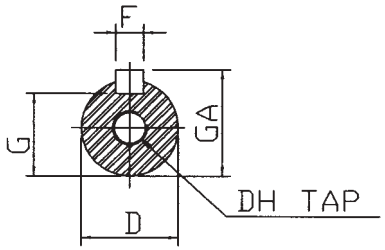
Brake Size	Braking Torque
# 08	1 - 5 Nm
# 08	1 - 5 Nm
# 10	4 - 10 Nm
# 11	8 - 20 Nm
#13	16 - 40 Nm
# 14	30 - 65 Nm
# 16	40-100 Nm

Design, data and dimensions are subject to change without notice.

FOOT MOUNTED MOTORS IM1001 (B3)



Lifting facilities are provided on motors frame size D100 and larger



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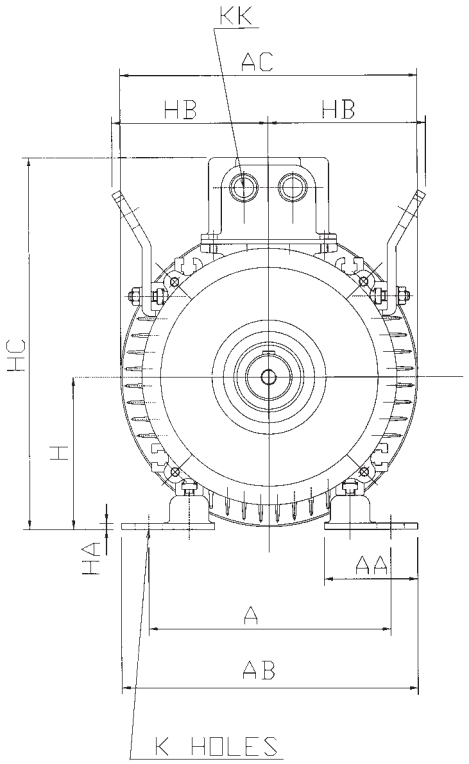
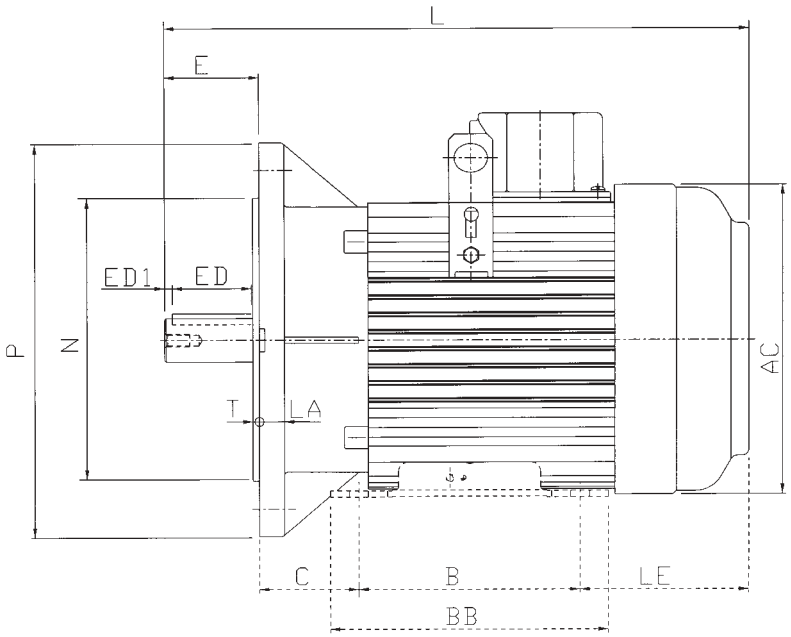
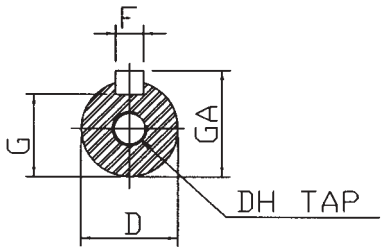


FRAME SIZE	DIMENSIONS																							BRGS (ALL IM)	
	A	AA	AB	AC	B	BB	C	D	DH	E	ED	ED1	F	G	GA	H	HA	HB	HC	K	KK	L	LE	D-END	N-END
63	100	44.5	120	122	80	100	40	11	M4	23	14	4.5	4	8.5	12.5	63	3.2	-	158.5	7	M20x1.5	241	98	6201ZZ	6201ZZ
71	112	49	140	138	90	120	45	14	M5	30	20	5	5	11	16	71	3.2	-	173	7	M20x1.5	250.5	85.5	6202ZZ	6202ZZ
80A	125	50.5	155	157	100	130	50	19	M6	40	32	4	6	15.5	21.5	80	4	-	204.5	10	M20x1.5	278.5	88.5	6204ZZ	6204ZZ
80B	125	50.5	155	157	100	130	50	19	M6	40	32	4	6	15.5	21.5	80	4	-	204.5	10	M20x1.5	287.5	97.5	6204ZZ	6204ZZ
90SA	140	52	170	177	100	130	56	24	M8	50	40	5	8	20	27	90	4	-	223	10	M20x1.5	310	104	6205ZZ	6205ZZ
90SB	140	52	170	177	100	130	56	24	M8	50	40	5	8	20	27	90	4	-	223	10	M20x1.5	325	94	6205ZZ	6205ZZ
90LA	140	52	170	177	125	155	56	24	M8	50	40	5	8	20	27	90	4	-	223	10	M20x1.5	325	94	6205ZZ	6205ZZ
90LB	140	52	170	177	125	155	56	24	M8	50	40	5	8	20	27	90	4	-	223	10	M20x1.5	340	109	6205ZZ	6205ZZ
100L	160	62	196	197	140	176	63	28	M10	60	50	5	8	24	31	100	4	104	244	12	M20x1.5	370	107	6206ZZ	6305ZZ
112M	190	74.5	226	219	140	176	70	28	M10	60	50	5	8	24	31	112	4	117	267	12	M25x1.5	385	115	6306ZZ	6306ZZ
132SA	216	79.5	252	235	140	214	89	38	M12	80	70	5	10	33	41	132	5	124	304	12	M25x1.5	466.5	157.5	6308ZZ	6306ZZ
132SB	216	79.5	252	235	140	214	89	38	M12	80	70	5	10	33	41	132	5	124	304	12	M25x1.5	486.5	177.5	6308ZZ	6306ZZ
132MA	216	79.5	252	235	178	214	89	38	M12	80	70	5	10	33	41	132	5	124	304	12	M25x1.5	486.5	139.5	6308ZZ	6306ZZ
132MB	216	79.5	252	235	178	214	89	38	M12	80	70	5	10	33	41	132	5	124	304	12	M25x1.5	501.5	154.5	6308ZZ	6306ZZ

Tolerances: D(19-28) j6 D(38-48) k6 H +0, -0.5

FLANGE MOUNTED IM3001 (B5) AND FOOT & FLANGE MOUNTED MOTORS IM2001 (B3/5)





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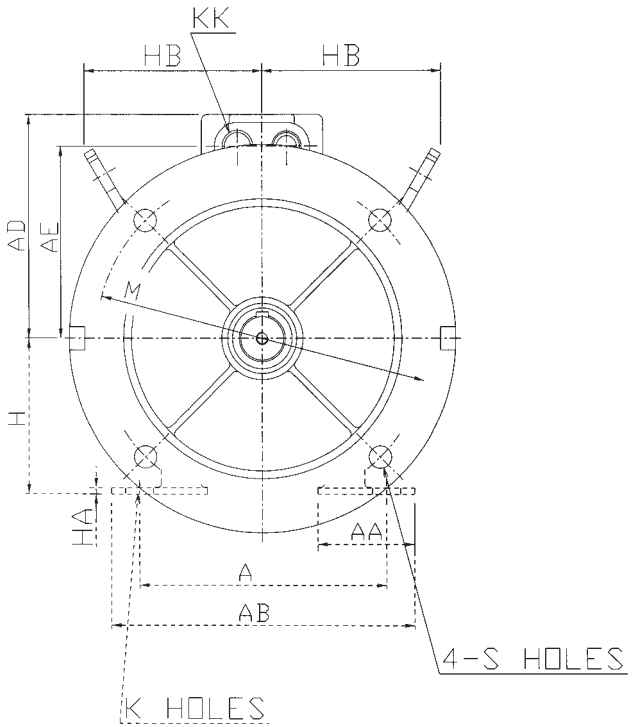


Lifting facilities are provided on motors frame size D100 and larger

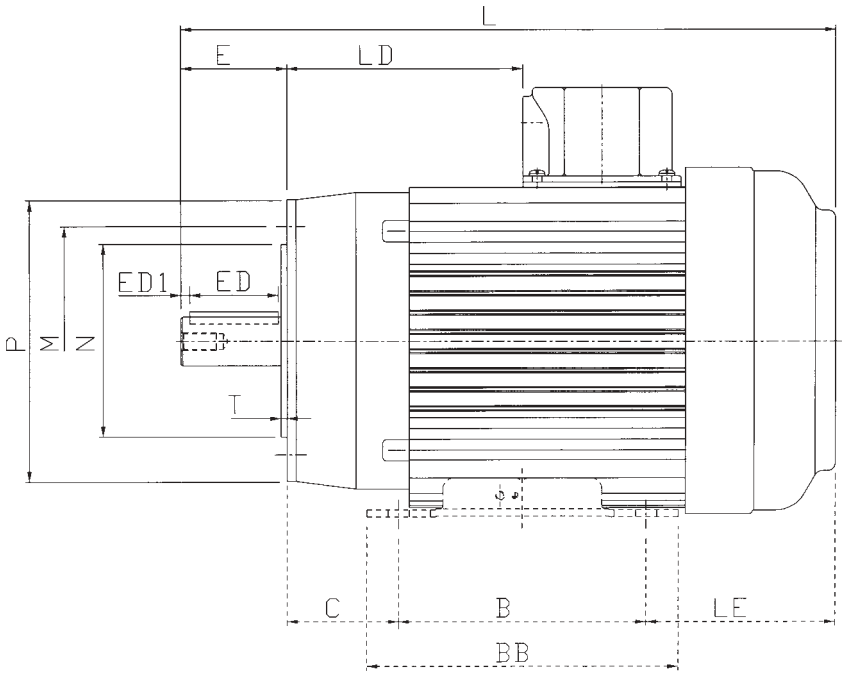
DIMENSIONS

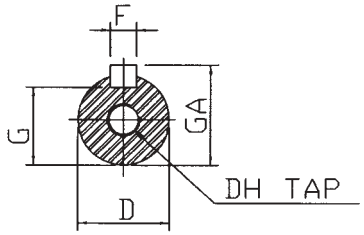
FRAME SIZE	FLANGE MOUNTED IM3001 (B5)																				ADDITIONAL FOR FOOT AND FLANGE IM2001 (B3/5)									
	AC	AD	AE	D	DH	E	ED	ED1	F	G	GA	HB	KK	L	LA	M	N	P	S	T	A	AA	AB	B	BB	C	H	HA	K	LE
63	122	95.5	79.5	11	M4	23	14	4.5	4	8.5	12.5	-	M20x1.5	241	12	115	95	140	10	3	100	44.5	120	80	100	40	63	3.2	7	98
71	138	102	86	14	M5	30	20	5	5	11	16	-	M20x1.5	250.5	12	130	110	160	10	3.5	112	49	140	90	120	45	71	3.2	7	85.5
80A	157	124.5	104.5	19	M6	40	32	4	6	15.5	21.5	-	M20x1.5	278.5	12	165	130	200	12	3.5	125	50.5	155	100	130	50	80	4	10	88.5
80B	157	124.5	104.5	19	M6	40	32	4	6	15.5	21.5	-	M20x1.5	287.5	12	165	130	200	12	3.5	125	50.5	155	100	130	50	80	4	10	97.5
90SA	177	133	113	24	M8	50	40	5	8	20	27	-	M20x1.5	310	12	165	130	200	12	3.5	140	52	170	100	130	56	90	4	10	104
90SB	177	133	113	24	M8	50	40	5	8	20	27	-	M20x1.5	325	12	165	130	200	12	3.5	140	52	170	100	130	56	90	4	10	94
90LA	177	133	113	24	M8	50	40	5	8	20	27	-	M20x1.5	325	12	165	130	200	12	3.5	140	52	170	125	155	56	90	4	10	94
90LB	177	133	113	24	M8	50	40	5	8	20	27	-	M20x1.5	340	12	165	130	200	12	3.5	140	52	170	125	155	56	90	4	10	109
100L	197	144	124	28	M10	60	50	5	8	24	31	104	M20x1.5	370	16	215	180	250	15	4	160	62	196	140	176	63	100	4	12	107
112M	219	155	135	28	M10	60	50	5	8	24	31	117	M25x1.5	385	16	215	180	250	15	4	190	74.5	226	140	176	70	112	4	12	115
132SA	235	172	148	38	M12	80	70	5	10	33	41	124	M25x1.5	466.5	20	265	230	300	15	4	216	79.5	252	140	214	89	132	5	12	157.5
132SB	235	172	148	38	M12	80	70	5	10	33	41	124	M25x1.5	486.5	20	265	230	300	15	4	216	79.5	252	140	214	89	132	5	12	177.5
132MA	235	172	148	38	M12	80	70	5	10	33	41	124	M25x1.5	486.5	20	265	230	300	15	4	216	79.5	252	178	214	89	132	5	12	139.5
132MB	235	172	148	38	M12	80	70	5	10	33	41	124	M25x1.5	501.5	20	265	230	300	15	4	216	79.5	252	178	214	89	132	5	12	154.5

Tolerances: D(19-28) j6 D(38-48) k6 H +0, -0.5

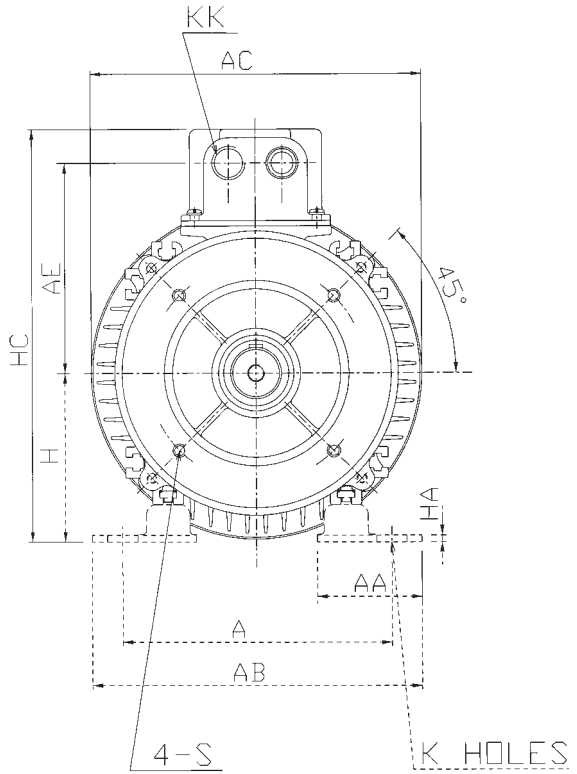
Design, data and dimensions are subject to modification without notice.

C FACE MOUNTED IM3601 (B14A) AND FOOT & C FACE MOUNTED MOTORS IM2101 (B3/14A)





SHAFT DETAIL



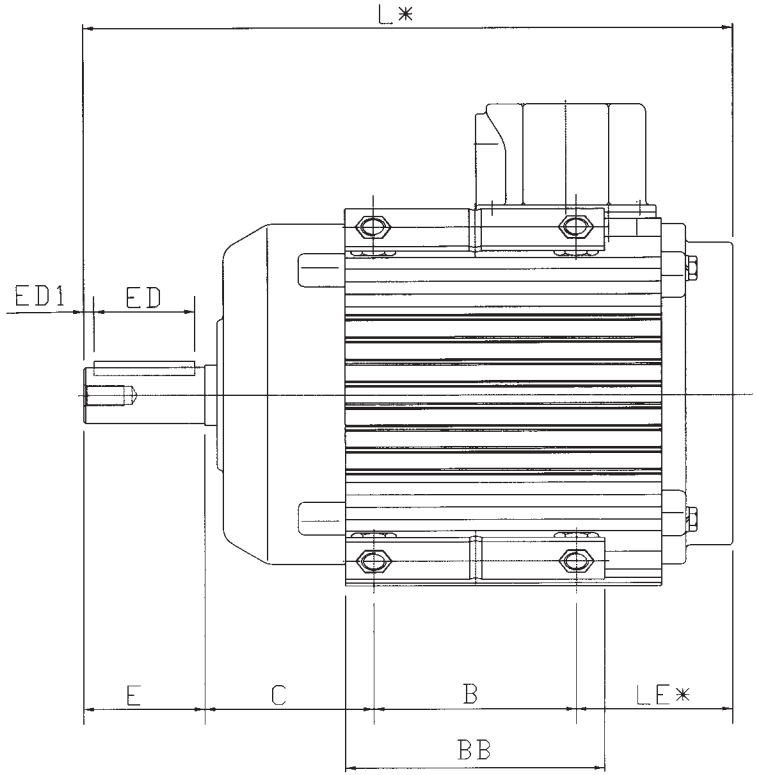
Lifting facilities (not shown) are provided on motors frame size D100 and larger, refer foot mounted for dimensions.

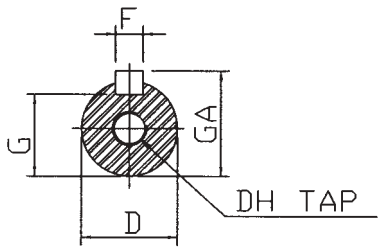
DIMENSIONS

FRAME SIZE	C FACE MOUNTED IM3601 (B14A)																		ADDITIONAL FOR FOOT AND C FACE IM2101 (B3/14A)										
	AC	AE	D	DH	E	ED	ED1	F	G	GA	KK	L	LD	M	N	P	S	T	A	AA	AB	B	BB	C	H	HA	HC	K	LE
63	122	79.5	11	M4	23	14	4.5	4	8.5	12.5	M20x1.5	241	85	75	60	90	M5	2.5	100	44.5	120	80	100	40	63	3.2	158.5	7	98
71	138	86	14	M5	30	20	5	5	11	16	M20x1.5	250.5	86.5	85	70	105	M6	2.5	112	49	140	90	120	45	71	3.2	173	7	85.5
80A	157	104.5	19	M6	40	32	4	6	15.5	21.5	M20x1.5	278.5	86.5	100	80	120	M6	3	125	50.5	155	100	130	50	80	4	204.5	10	88.5
80B	157	104.5	19	M6	40	32	4	6	15.5	21.5	M20x1.5	287.5	95.5	100	80	120	M6	3	125	50.5	155	100	130	50	80	4	204.5	10	97.5
90SA	177	113	24	M8	50	40	5	8	20	27	M20x1.5	310	96	115	95	140	M8	3	140	52	170	100	130	56	90	4	223	10	104
90SB	177	113	24	M8	50	40	5	8	20	27	M20x1.5	325	111	115	95	140	M8	3	140	52	170	100	130	56	90	4	223	10	94
90LA	177	113	24	M8	50	40	5	8	20	27	M20x1.5	325	111	115	95	140	M8	3	140	52	170	125	155	56	90	4	223	10	94
90LB	177	113	24	M8	50	40	5	8	20	27	M20x1.5	340	126	115	95	140	M8	3	140	52	170	125	155	56	90	4	223	10	109
100L	197	124	28	M10	60	50	5	8	24	31	M20x1.5	370	133.5	130	110	160	M8	3.5	160	62	196	140	176	63	100	4	244	12	107
112M	219	135	28	M10	60	50	5	8	24	31	M25x1.5	385	142.5	130	110	160	M8	3.5	190	74.5	226	140	176	70	112	4	267	12	115
132SA	235	148	38	M12	80	70	5	10	33	41	M25x1.5	466.5	181	165	130	200	M10	3.5	216	79.5	252	140	214	89	132	5	304	12	157.5
132SB	235	148	38	M12	80	70	5	10	33	41	M25x1.5	486.5	201	165	130	200	M10	3.5	216	79.5	252	140	214	89	132	5	304	12	177.5
132MA	235	148	38	M12	80	70	5	10	33	41	M25x1.5	486.5	201	165	130	200	M10	3.5	216	79.5	252	178	214	89	132	5	304	12	139.5
132MB	235	148	38	M12	80	70	5	10	33	41	M25x1.5	501.5	216	165	130	200	M10	3.5	216	79.5	252	178	214	89	132	5	304	12	154.5

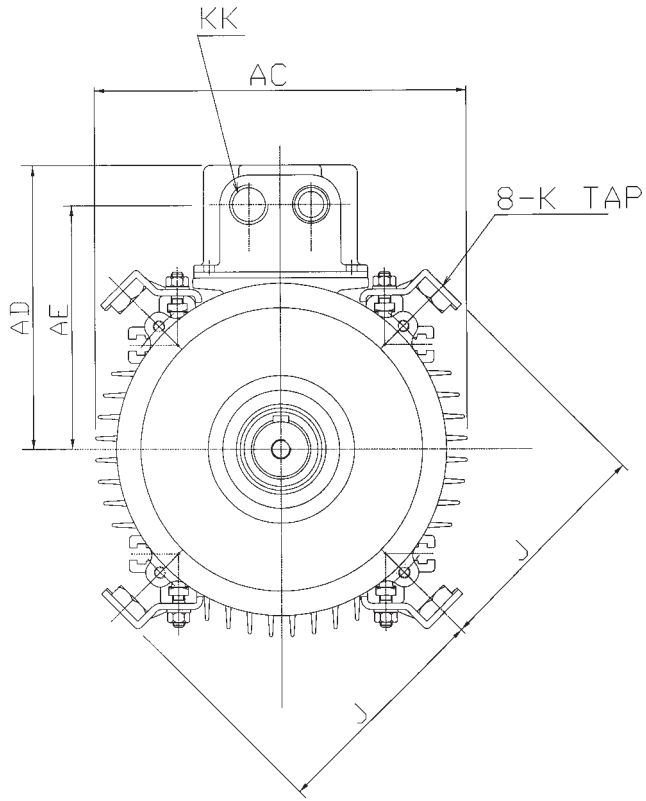
Tolerances: D(19-28) j6 D(38-48) k6 H +0, -0.5

PAD MOUNTED IM9201 (B30)





SHAFT DETAIL



Lifting facilities (not shown) are provided on motors frame size D100 and larger, refer foot mounted for dimensions.

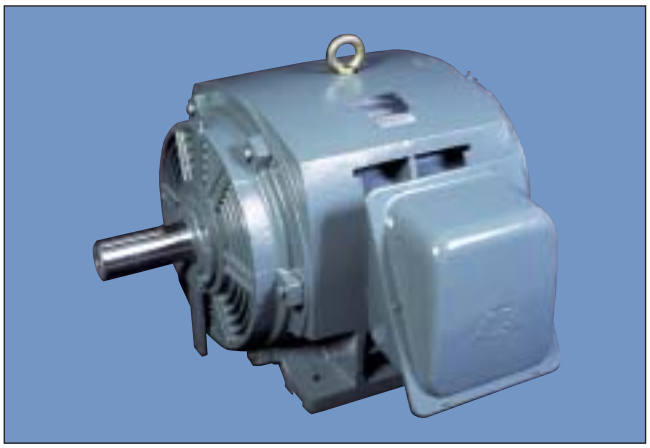
Frame Size	OUTPUT (KW)			DIMENSIONS																		TE (note 1)		TEFC (note 2)	
	2P	4P	6P	AC	AD	AE	B	BB	C	D	DH	E	ED	ED1	F	G	GA	J	K	KK		L*	LE*	L	LE
71	0.37 & 0.55	0.25 & 0.37	0.18 & 0.25	138	102	86	90	115	45	14	M5	30	20	5	5	11	16	85	M12	M20x1.5		213.5	36	250.5	73
80A	0.75	0.55 & 0.75	0.37	151	124.5	104.5	90	115	55	19	M6	40	32	4	6	15.5	21.5	95	M12	M20x1.5		241.5	56.5	278.5	93.5
80B	1.1	-	0.55	151	124.5	104.5	90	115	55	19	M6	40	32	4	6	15.5	21.5	95	M12	M20x1.5		250.5	65.5	287.5	102.5
90LA	2.2	1.5	-	170	133	113	90	115	73.5	24	M8	50	40	5	8	20	27	105	M12	M20x1.5		286	72.5	325	111.5
90LB	-	-	1.1	170	133	113	90	115	73.5	24	M8	50	40	5	8	20	27	105	M12	M20x1.5		301	87.5	340	126.5
100L	3	2.2 & 3	1.5	190	144	124	100	128	83	28	M10	60	50	5	8	24	31	117	M12	M20x1.5		320	77	370	127
112M	4	4	2.2	214	155	135	100	125	90	28	M10	60	50	5	8	24	31	130	M12	M25x1.5		339	89	385	135
132MA	-	7.5	4	237	172	148	140	170	108	38	M12	80	70	5	10	33	41	155	M16	M25x1.5		433	105	486.5	158
132MB	-	-	5.5	237	172	148	140	170	108	38	M12	80	70	5	10	33	41	155	M16	M25x1.5		453	125	501.5	173.5

Tolerances: D(19-28) j6 D(38-48) k6

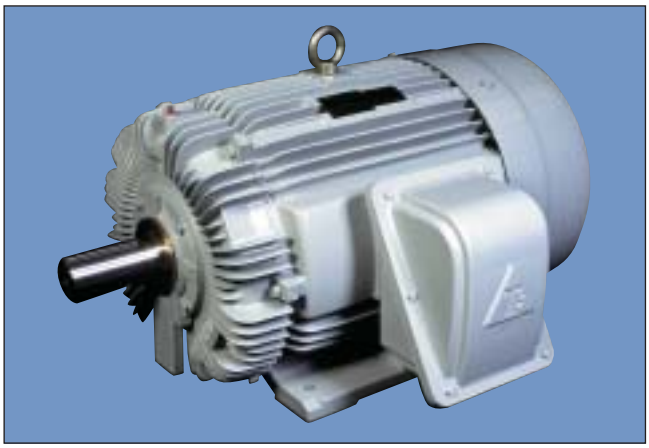
Note 1: Dimensions are as TE (totally enclosed), airstream rated, IC418 (no external fan or fan cover), as shown
Note 2: Dimensions are as TEFC (totally enclosed fan cooled), IC411 (with external fan and fan cover) not shown

Aluminium TEFC Frame

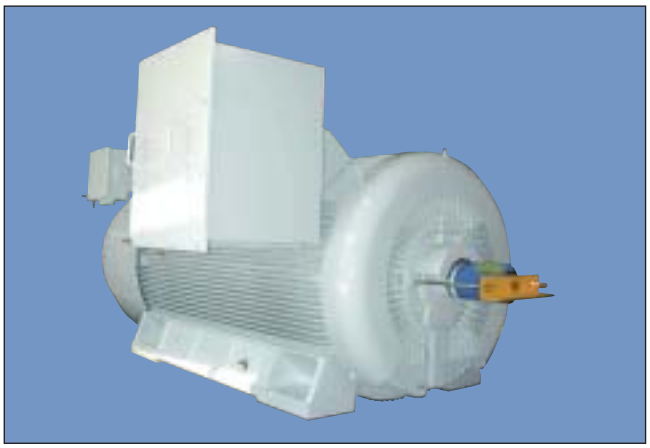
High Voltage Induction Motors



Cast Iron, Open Drip Proof



High Efficiency, TEFC, SCIM



Cast Iron, H.V. TEFC

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