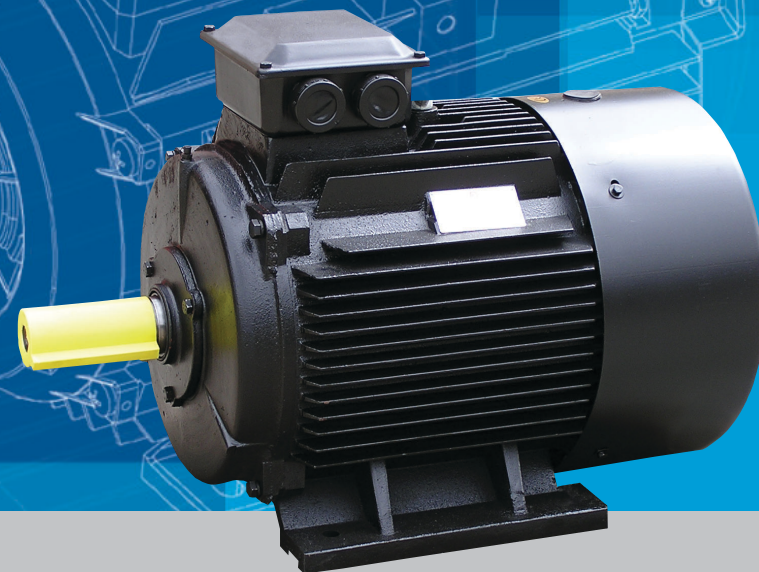
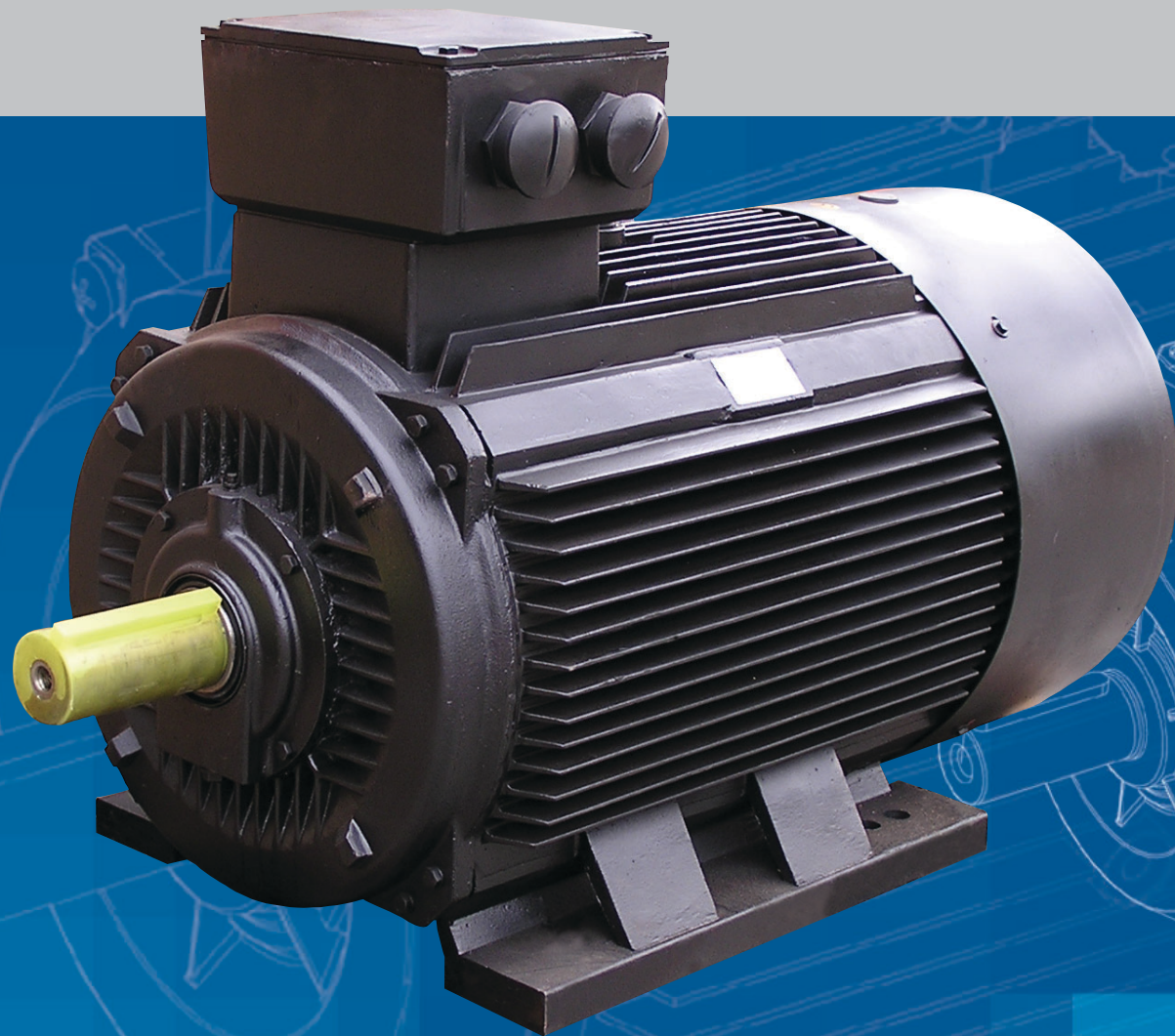
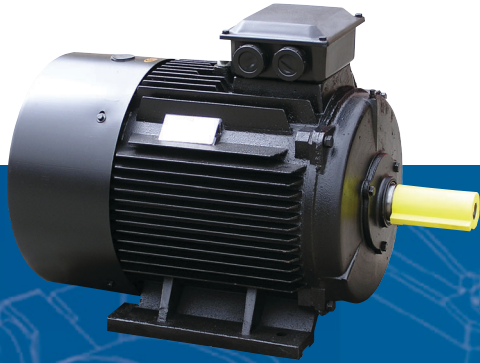




Comprehensive Range of
Quality Electric Motors



The new TEC range of Aluminium, Multi Mount Electric Motors from 56-160 frame (TEC-A) and Cast Iron from 80 up to 355 frame (TEC-C) are a recent addition to our existing and diverse range of Electric Motor products.

In an effort to provide Electric Motor solutions to areas of industry where multi and pad mount type motors are required the TEC-A range will provide a reliable, quality addition to the existing comprehensive aluminium TEE motor.

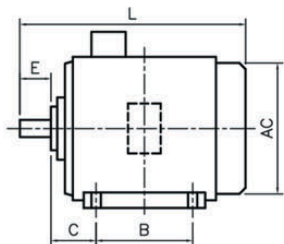
The addition of the TEC-C range offers a robust, quality cast iron Electric Motor ideally suited for areas where a rugged, heavy duty design is required.

Both motors are the product of over two years of rigorous testing specifically for the UK market where quality, reliability and performance are of paramount importance. This long term testing, design and development means our customers will benefit from minimum maintenance and downtime backed up by an exceptional after sales service.

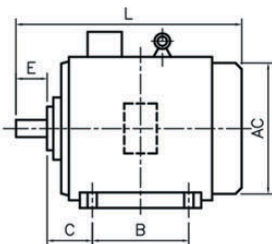
The new TEC range of Electric Motors will provide an excellent addition to the current range of high quality motor products offered in the UK.



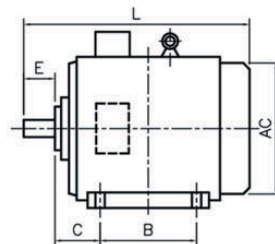
TEC-C B3- Foot Mount



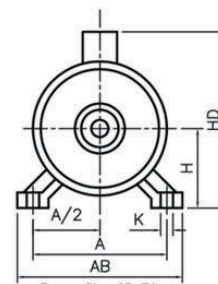
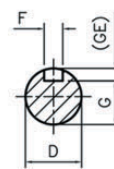
Frame Size 63-90



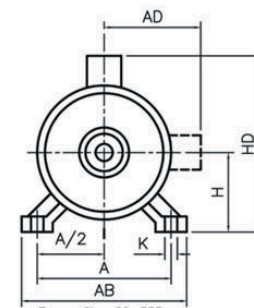
Frame Size 100–132



Frame Size 160-355



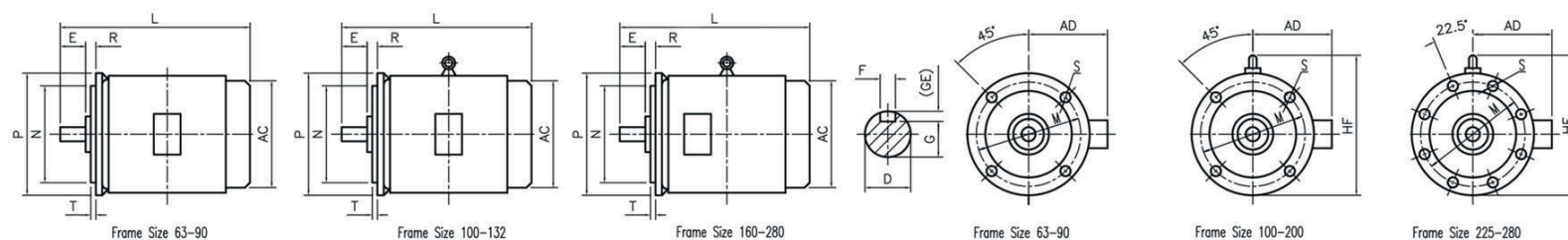
Frame Size 63-71



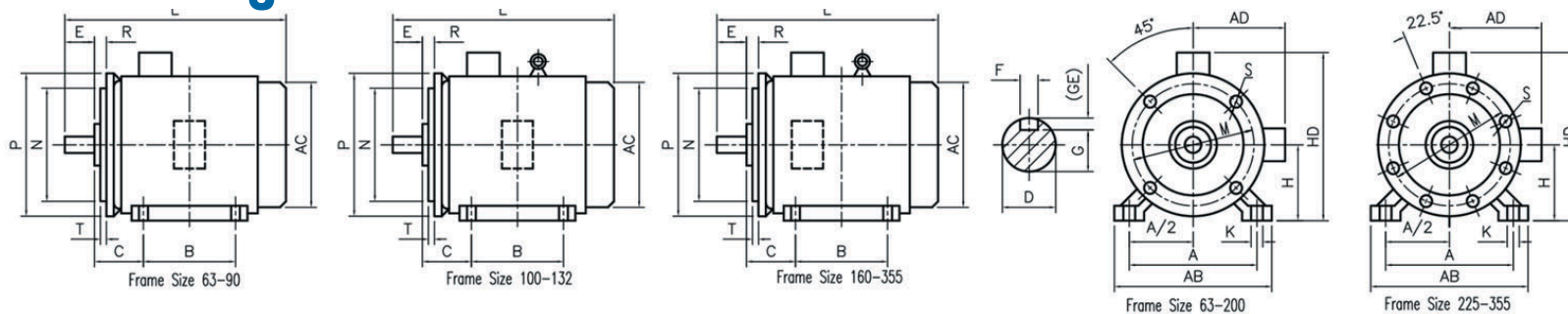
Frame Size 80-355

Mounting Dimensions & Tolerance																			Frame Dimensions					
Frame No.	Poles		A	A/2	B	C	D		E		F		G		H		K		AB	AC	AD	HD	L	
63M	2,4	100	50	80	40	+/-1.5	11	+0.008	23	+0.260	4	0	8.5	0	63	7	+0.360	135	130	70	180	230		
71M	2,4,6	112	56	90	45		14	-0.003	30		5	-0.030	11	-0.10	71			150	145	80	195	255		
80M		125	63	100	50		19		40		6		15.5		80			165	175	145	220	295		
90S		140	70	100	56	24	+0.009	50	+0.310			20		90		10	180	195	155	250	320			
90L	2			125			-0.004			8											345			
100L	4	160	80	140	63	+/-2.0	28			60		0	24		100	12	+0.430	205	215	180	270	385		
112M	6	190	95	140	70					+0.370		-0.036			112			230	240	190	300	400		
132S	8	216	108	140	89		38		80		10		33		132			270	275	210	345	470		
132M				178											0	15	0				345	510		
160M		254	127	210	108	42	+0.018			12		37		160	320			330	255	420	615			
160L				254			-0.002								-0.5							670		
180M		279	140	241	121	+/-3.0	48			110	+0.430	14		42.5	180	19	0	355	380	280	455	700		
180L				279								0											740	
200L		318	159	305	133		55				16	-0.043	49		200			395	420	305	505	770		
225S	4,8			286			60			140	+0.500	18		53							815			
225M	2	356	178	311	149		55			110	+0.430	16		49	225	24	+0.520	435	470	335	560	820		
	4,6,8						60							53								845		
250M	2	406	203	349	168							18			250					490	510	370	615	910
	4,6,8						65							58										
280S	2																							
	4,6,8			368			75					20	0	67.5	0	280	24					985		
									140			18	-0.052											
280M	2	457	229		190	65					0	58	0	58				-0.20			550	580	410	680
	4,6,8			419		+/-4.0		+0.030				20	-0.043					+0.520				1035		
							75	-0.011				0	67.5	-0.052										
												0												
315S	2						65					18	0	58		0	-1.0					1185		
	4,6			406			80			170		22	-0.043	0	71								1215	
	8,10										-0.052													
315M	2	508	254		216		65			140		18	0	58		315	28					1295		
	4,6			457			80			170		22	0	71						635	645	530	845	1325
	8,10										-0.052													
315L	2						65			140		18	0	58								1295		
	4,6,8,10			508									-0.043											
							80			170		22		71								1325		
355M	2						75			140		20		67.5								1500		
	4,6			560			95	+0.035	170		25		86									1530		
	8,10							+0.013				0												
355L	2	610	305		254		75	+0.030	140		20	-0.052	67.5		355				730	710	655	1010	1500	
	4,6			630				+0.011																
	8,10						95	+0.035	170		25		86									1530		
								+0.013																

TEC-C B5- Flange

[illegible]

TEC-C B35- Foot and Flange

[illegible]

TEC-C Cast Iron Electrical Data 2 Pole

Type	Rated Output KW	At Full Load				Locked current Rated current	Locked torque Rated torque	Max torque Rated torque	Net weight kg	Noise Level	
		Speed r/min	Current A	Efficiency %	Power Factor cos φ					no load	load
Synchronous Speed 3000 r/min 50 Hz											
63M1	0.18	2730	0.5	65.3	0.80	5.5		2.2	5	61	63
63M2	0.25	2800	0.7	68.3	0.81				5.4		
71M1	0.37	2756	1.0	70.3		6.1			7.8	64	66
71M2	0.55	2792	1.4	73.4	0.82				10		
80M1	0.75	2830	1.8	75.3	0.83				16	67	69
80M2	1.1		2.6	77.3	0.84	7			17		
90S	1.5	2840	3.4	79.3			2.2		22	72	74
90L	2.2		4.8	81.4	0.85				25		
100L	3	2860	6.3	83.3	0.87				33	76	78
112M	4	2880	8.1	85.3					45	77	79
132S1	5.5	2900	11.0	86.3	0.88				64	80	82
132S2	7.5		14.8	87.4					70		
160M1	11		21.3	88.4	0.89				117		
160M2	15	2930	28.7	89.4				2.3	125	86	88
160L	18.5		34.6	90.4		7.5			147		
180M	22	2940	40.8	91.0					180	89	91
200L1	30	2950	55.3	91.6					240		
200L2	37		67.6	92.4	0.90				255	92	94
225M	45		82.0	92.7			2		309		
250M	55	2970	99.9	93.0					403	93	95
280S	75		135.6	93.4					544	94	96
280M	90		159.6	94.2					620		
315S	110		194.6	94.4	0.91				980	96	98
315M	132		232.1	95.0			1.8		1080		
315L1	160		278.2	95.0		7.1			1160	99	101
315L2	200	2980	347.0	95.2	0.92			2.2	1190		
355M	250		431.5	95.7			1.6		1760	103	105
355L	315		541.5	96.1					1850		

TEC-C Cast Iron Electrical Data 6 Pole

Type	Rated Output KW	At Full Load				Locked current Rated current	Locked torque Rated torque	Max torque Rated torque	Net weight kg	Noise Level	
		Speed r/min	Current A	Efficiency %	Power Factor cos φ					no load	load
Synchronous Speed 1000 r/min 50 Hz											
71M1	0.18	865	0.7	56.3	0.66	4.0			7	52	59
71M2	0.25	863	0.9	59.4	0.68		1.90	2.00	8		
80M1	0.37	890	1.3	62.4	0.70	4.70			17	54	61
80M2	0.55		1.8	65.3	0.72				19		
90S	0.75	910	2.3	69.4					23	57	64
90L	1.1		3.2	72.3	0.73	5.50			25		
100L	1.5	920	4.0	76.4	0.75		2.00		33	61	68
112M	2.2	935	5.5	79.3					45	65	72
132S	3		7.4	81.3	0.76				63		
132M1	4	960	9.7	82.5		6.50	2.10		73	69	76
132M2	5.5		12.9	84.4	0.77			2.10	84		
160M	7.5		17.1	86.3					119		80
160L	11		24.4	87.8	0.78		2.00		147	73	
180L	15	970	31.5	89.2	0.81				195		79
200L1	18.5		38.4	90.3			210		220		
200L2	22		44.5	90.4	0.83				250	76	82
225M	30		59.1	91.8	0.84		2.00		292		
250M	37	980	70.8	92.3		7.00			408	78	84
280S	45		85.7	92.8			2.10		536	80	85
280M	55		104.3	93.2	0.86				595		
315S	75		141.3	93.8					990		
315M	90		168.8	94.2			2.00		1080	85	90
315L1	110		206.1	94.3				2.00	1150		
315L2	132	990	243.9	94.5	0.87				1210		89
355M1	160		290.8	95.0		6.70			1600		
355M2	200		363.1	95.1	0.88		1.90		1700	92	96
355L	250		452.9	95.3					1800		

TEC-C Cast Iron Electrical Data 4 Pole

Type	Rated Output KW	At Full Load				Locked current Rated current	Locked torque Rated torque	Max torque Rated torque	Net weight kg	Noise Level	
		Speed r/min	Current A	Efficiency %	Power Factor cos φ					no load	load
Synchronous Speed 1500 r/min 50 Hz											
63M1	0.12	1320	0.4	57.2	0.72	4			5.2	52	57
63M2	0.18		0.6	60.2	0.73		2.1	2.2	5.5		
71M1	0.25	1347	0.8	65.3	0.74				7	55	60
71M2	0.37	1340	1.1	67.3	0.75	5			7.5		
80M1	0.55	1390	1.6	71.2			2.4		17	58	63
80M2	0.75		2.0	73.3	0.76				18		
90S	1.1	1390	2.9	75.3	0.77				22	61	66
90L	1.5		3.7	78.4	0.79	6			27		
100L1	2.2	1410	5.1	80.2	0.81		2.3		34	64	69
100L2	3		6.8	82.3	0.82				38		
112M	4	1435	8.8	84.3					43	65	70
132S1	5.5	1440	11.8	85.4	0.83	7			68	71	76
132S2	7.5		15.5	87.3	0.84				81		
160M1	11	1460	22.5	88.4			2.3		123	75	80
160M2	15		30.0	89.4	0.85	8			144		79
160L	18.5		35.9	91.0					182	76	80
180M	22	1470	42.6	91.3	0.86				190		
200L	30		57.4	92.4			2.2		270	79	83
225S	37		69.6	92.9					284	81	85
225M	45		84.3	93.3		7			320		84
250M	55	1480	103.0	93.3	0.87				427	83	86
280S	75		139.1	94.2					562	86	89
280M	90		166.2	94.6					667		
315S	110		200.0	95.0	0.88				1000	93	96
315M	132		239.7	95.1					1100		
315L1	160	1490	286.7	95.3	0.89	7	2.1	2.2	1160	97	100
315L2	200		358.0	95.4					1270		
355M	250		440.7	95.8	0.90				1700	101	104
355L	315		554.6	95.9					1850		

TEC-C Cast Iron Electrical Data 8 Pole

Type	Rated Output KW	At Full Load				Locked current Rated current	Locked torque Rated torque	Max torque Rated torque	Net weight kg	Noise Level	
		Speed r/min	Current A	Efficiency %	Power Factor cos φ					no load	load
Synchronous Speed 750 r/min 50 Hz											
80M1	0.18	630	0.9	51.2		3.30			17	52	60
80M2	0.25	640	1.1	54.2	0.61			1.90	19		
90S	0.37	660	1.5	62.2					23	56	64
90L	0.55		2.2	63.3		4.00			25		
100L1	0.75	690	2.4	71.2	0.67		1.80		33	59	67
100L2	1.1		3.3	73.2	0.69				38		
112M	1.5	680	4.4	75.3		5.00			50	61	69
132S	2.2	710	6.0	78.4	0.71				63	64	72
132M	3		7.9	79.2	0.73				79		
160M1	4		10.2	81.2		6.00	1.90		118		
160M2	5.5	720	13.6	83.3	0.74				119	68	76
160L	7.5		17.7	85.9	0.75		2.00		145		
180L	11		25.1	87.8					184	70	78
200L	15	730	34.0	88.3	0.76				250		
225S	18.5		40.9	90.4				2.00	266	73	80
225M	22		47.1	91.0	0.78				292		
250M	30		63.2	91.3		6.60	1.90		405	75	82
280S	37		77.5	91.8	0.79				520	76	83
280M	45		93.7	92.4					592		82
315S	55		110.6	93.3	0.81				1000		
315M	75	740	150.8	93.3					1100	82	88
315L1	90		177.3	94.1			1.80		1160		
315L2	110		216.0	94.4	0.82				1230		
355M1	132		259.7	94.2		6.40			1600		
355M2	160		313.8	94.5					1700	90	95
355L	200		386.3	94.8	0.83				1800		

TEC-A Aluminium Electrical Data 2 Pole

Model	Power (KW)	Current (A)			Speed (r/min)	Efficiency (%)	Power Factor	Tstart/tn (Time)	Tmax/tn (Time)	1s/1n (Time)	Rated Torque (M)	NET (kg)
		50HZ 230V	50HZ 400V	50HZ 690V								
MS561-2	0.09	0.60	0.35	0.20	2670	63	0.6	2.3	2.4	6	0.32	3.6
MS562-2	0.12	0.69	0.40	0.23	2730	65	0.67	2.3	2.4	6	0.42	4.0
MS563-2	0.18	1.01	0.58	0.33	2750	65	0.69	2.3	2.4	6	0.63	4.0
MS631-2	0.18	0.96	0.55	0.32	2710	63	0.75	2.2	2.4	6	0.63	4.0
MS632-2	0.25	1.24	0.71	0.41	2710	65	0.78	2.2	2.4	6	0.88	4.5
MS633-2	0.37	1.83	1.06	0.61	2710	65	0.78	2.2	2.4	6	1.3	5.0
MS711-2	0.37	1.70	0.98	0.57	2730	66	0.83	2.2	2.4	6	1.29	5.6
MS712-2	0.55	2.41	1.39	0.80	2760	71	0.83	2.2	2.4	6	1.9	6.0
MS713-2	0.75	3.24	1.87	1.08	2730	72	0.83	2.2	2.4	6	2.62	6.6
MS801-2	0.75	3.07	1.77	1.02	2770	73	0.84	2.2	2.4	6	2.59	9.0
MS802-2	1.1	4.37	2.52	1.46	2770	76.2	0.83	2.2	2.4	6	3.79	10.0
MS803-2	1.5	5.89	3.40	1.96	2800	77	0.83	2.2	2.4	6	5.12	11.0
MS90S-2	1.5	5.71	3.30	1.90	2840	78.5	0.84	2.2	2.4	6	5.04	12.0
MS90L1-2	2.2	8.02	4.63	2.67	2840	81	0.85	2.2	2.4	6	7.4	13.0
MS90L2-2	3	10.73	6.20	3.58	2840	81.6	0.86	2.2	2.4	6	10.09	15.0
MS100L1-2	3	10.48	6.05	3.49	2840	82.6	0.87	2.2	2.3	7	10.09	22.0
MS100L2-2	4	13.87	8.01	4.62	2850	83.2	0.87	2.2	2.3	7	13.4	24.0
MS112M-2	4	13.71	7.91	4.57	2880	84.2	0.87	2.2	2.3	7	13.26	28.0
MS112L-2	5.5	18.46	10.66	6.15	2880	85	0.88	2.2	2.3	7	18.24	31.0
MS132S1-2	5.5	18.31	10.57	6.10	2900	85.7	0.88	2	2.2	7	18.11	41.0
MS132S2-2	7.5	24.59	14.20	8.20	2920	87	0.88	2	2.2	7	24.53	46.0
MS132M1-2	9.2	29.99	17.32	10.00	2930	87.5	0.88	2	2.2	7	29.99	51.0
MS132M2-2	11	34.71	20.04	11.57	2930	88.4	0.9	2	2.2	7	35.85	53.0
MS160M1-2	11	34.71	20.04	11.57	2940	88.4	0.9	2	2.2	7	35.73	76.0
MS160M2-2	15	46.28	26.72	15.43	2940	89.4	0.91	2	2.2	7	48.72	88.0
MS160L-2	18.5	56.70	32.74	18.90	2940	90	0.91	2	2.2	7	60.09	99.0

TEC-A Aluminium Electrical Data 6 Pole

Model	Power (KW)	Current (A)			Speed (r/min)	Efficiency (%)	Power Factor	Tstart/tn (Time)	Tmax/tn (Time)	1s/1n (Time)	Rated Torque (M)	NET (kg)
		50HZ 230V	50HZ 400V	50HZ 690V								
MS6316	0.09	0.90	0.52	0.30	820	42	0.6	2	2	3.5	1.05	5.0
MS6326	0.12	1.08	0.62	0.36	840	45	0.62	2	2	3.5	1.36	5.3
MS711-6	0.18	1.22	0.71	0.41	880	56	0.66	1.6	1.7	4	1.95	5.6
MS712-6	0.25	1.51	0.87	0.50	900	61	0.68	2.1	2.2	4	2.65	6.0
MS713-6	0.37	2.21	1.27	0.74	890	61	0.69	2	2.1	4	3.97	6.8
MS801-6	0.37	2.14	1.24	0.71	900	62	0.7	1.9	1.9	4	3.93	9.0
MS802-6	0.55	2.86	1.65	0.95	900	67	0.72	2	2.3	4	5.84	10.0
MS803-6	0.75	3.85	2.22	1.28	900	68	0.72	2	2.3	4	7.96	12.0
MS90S-6	0.75	3.79	2.19	1.26	920	69	0.72	2.2	2.2	5.5	7.79	13.0
MS90L-6	1.1	5.25	3.03	1.75	925	72	0.73	2.2	2.2	5.5	11.36	14.2
MS100L-6	1.5	6.69	3.87	2.23	945	74	0.76	2.2	2.2	6	15.16	21.0
MS112M-6	2.2	9.32	5.38	3.11	955	78	0.76	2.2	2.2	6	22	27.0
MS132S-6	3	12.54	7.24	4.18	960	79	0.76	2	2	6.5	29.84	44.0
MS132M1-6	4	16.41	9.48	5.47	960	80.5	0.76	2	2	6.5	39.79	52.0
MS132M2-6	5.5	21.60	12.47	7.20	960	83	0.77	2	2	6.5	54.71	58.0
MS132L-6	7.5	28.76	16.61	9.59	960	85	0.77	2	2	6.5	74.61	70.0
MS160M-6	7.5	27.36	15.80	9.12	960	86	0.8	2	2.2	6.5	74.61	80.0
MS160L-6	11	39.94	23.06	13.32	960	87.5	0.79	2	2.2	6.5	109.42	100.0

TEC-A Aluminium Electrical Data 4 Pole

Model	Power (KW)	Current (A)			Speed (r/min)	Efficiency (%)	Power Factor	Tstart/tn (Time)	Tmax/tn (Time)	1s/1n (Time)	Rated Torque (M)	NET (kg)
		50HZ 230V	50HZ 400V	50HZ 690V								
MS561-4	0.06	0.57	0.33	0.19	1350	56	0.53	2.3	2.4	6	0.42	3.6
MS562-4	0.09	0.74	0.43	0.25	1350	58	0.59	2.3	2.4	6	0.64	4.0
MS563-4	0.12	0.95	0.55	0.32	1350	58	0.6	2.2	2.4	6	0.85	4.2
MS631-4	0.12	0.87	0.50	0.29	1350	55	0.73	2.2	2.4	6	0.85	4.0
MS632-4	0.18	1.22	0.70	0.41	1350	60	0.65	2.2	2.4	6	1.27	4.5
MS633-4	0.25	1.59	0.92	0.53	1350	60	0.67	2.2	2.4	6	1.77	5.0
MS711-4	0.25	1.45	0.84	0.48	1350	60	0.72	2.2	2.4	6	1.77	5.6
MS712-4	0.37	1.93	1.11	0.64	1370	65	0.74	2.2	2.4	6	2.58	6.0
MS713-4	0.55	2.79	1.61	0.93	1380	66	0.75	2.2	2.4	6	3.81	7.0
MS801-4	0.55	2.75	1.59	0.92	1370	67	0.75	2.2	2.4	6	3.83	9.0
MS802-4	0.75	3.35	1.94	1.12	1380	72	0.78	2.2	2.4	6	5.19	10.0
MS803-4	1.1	4.65	2.68	1.55	1390	76.2	0.78	2.2	2.4	6	7.56	11.0
MS90S-4	1.1	4.40	2.54	1.47	1400	78.5	0.8	2.2	2.4	6	7.5	12.0
MS90L1-4	1.5	6.00	3.46	2.00	1400	78.5	0.8	2.2	2.4	6	10.23	13.2
MS90L2-4	2.2	8.52	4.92	2.84	1400	81	0.8	2.2	2.4	7	15.01	15.0
MS100L1-4	2.2	8.42	4.86	2.81	1420	81	0.81	2.2	2.3	7	14.8	21.0
MS100L2-4	3	11.26	6.50	3.75	1420	82.6	0.81	2.2	2.3	7	20.18	24.8
MS100L3-4	4	14.72	8.50	4.91	1430	84.2	0.82	2.2	2.3	7	26.71	28.5
MS112M-4	4	14.37	8.30	4.79	1430	84.2	0.83	2.2	2.2	7	26.71	29.0
MS112L-4	5.5	19.41	11.21	6.47	1440	85.7	0.83	2.2	2.2	7	36.46	34.0
MS132S-4	5.5	19.18	11.07	6.39	1450	85.7	0.84	2.2	2.2	7	36.22	44.0
MS132M1-4	7.5	25.46	14.70	8.49	1450	87	0.85	2.2	2.2	7	49.4	54.0
MS132M2-4	9.2	31.05	17.93	10.35	1460	87.5	0.85	2.2	2.2	7	60.18	62.0
MS132L1-4	11	33.56	19.38	11.19	1460	88	0.85	2.2	2.2	7	65.41	72.0
MS132L2-4	11	36.32	20.97	12.11	1460	88.4	0.86	2.2	2.2	7	71.95	72.0
MS160M-4	11	35.90	20.73	11.97	1460	88.4	0.87	2.2	2.2	7	71.95	79.0
MS160L-4	15	48.96	28.27	16.32	1460	88.4	0.87	2.2	2.2	7	98.12	94.0

TEC-A Aluminium Electrical Data 8 Pole

Model	Power (KW)	Current (A)			Speed (r/min)	Efficiency (%)	Power Factor	Tstart/tn (Time)	Tmax/tn (Time)	1s/1n (Time)	Rated Torque (M)	NET (kg)
		50HZ 230V	50HZ 400V	50HZ 690V								
MS711-8	0.09	0.92	0.53	0.31	680	53	0.57	1.5	1.7	3	0.56	5.6
MS712-8	0.12	1.12	0.64	0.37	690	53	0.59	1.6	1.7	2.7	1.66	6.0
MS801-8	0.18	1.61	0.93	0.54	680	51	0.61	1.5	1.7	2.8	2.53	9.0
MS802-8	0.25	2.12	1.22	0.71	680	56	0.58	1.6	2	2.7	3.51	10.0
MS90S-8	0.37	2.58	1.49	0.86	680	63	0.6	1.6	1.8	2.8	5.2	13.0
MS90L-8	0.55	3.65	2.11	1.22	680	66	0.6	1.6	1.8	3	7.72	14.2
MS100L1-8	0.75	4.26	2.46	1.42	710	66	0.67	1.7	2.1	3.5	10.09	21.0
MS100L2-8	1.1	5.56	3.21	1.85	710	72	0.69	1.7	2.1	3.5	14.8	24.8
MS112M-8	1.5	7.48	4.32	2.49	710	74	0.68	1.8	2.1	4.2	20.18	29.0
MS132S-8	2.2	10.37	5.99	3.46	720	75	0.71	2	2	5.5	29.18	60.0
MS132M-8	3	13.40	7.73	4.47	720	77	0.73	2	2	5.5	39.79	66.0
MS160M1-8	4	17.19	9.93	5.73	730	80	0.73	1.9	2.1	5.6	52.33	110.0
MS160M2-8	5.5	22.34	12.90	7.45	720	83.5	0.74	2	2.2	5.7	72.95	113.0
MS160L-8	7.5	29.53	17.05	9.84	720	85	0.75	1.9	2.2	5.6	99.48	120.0

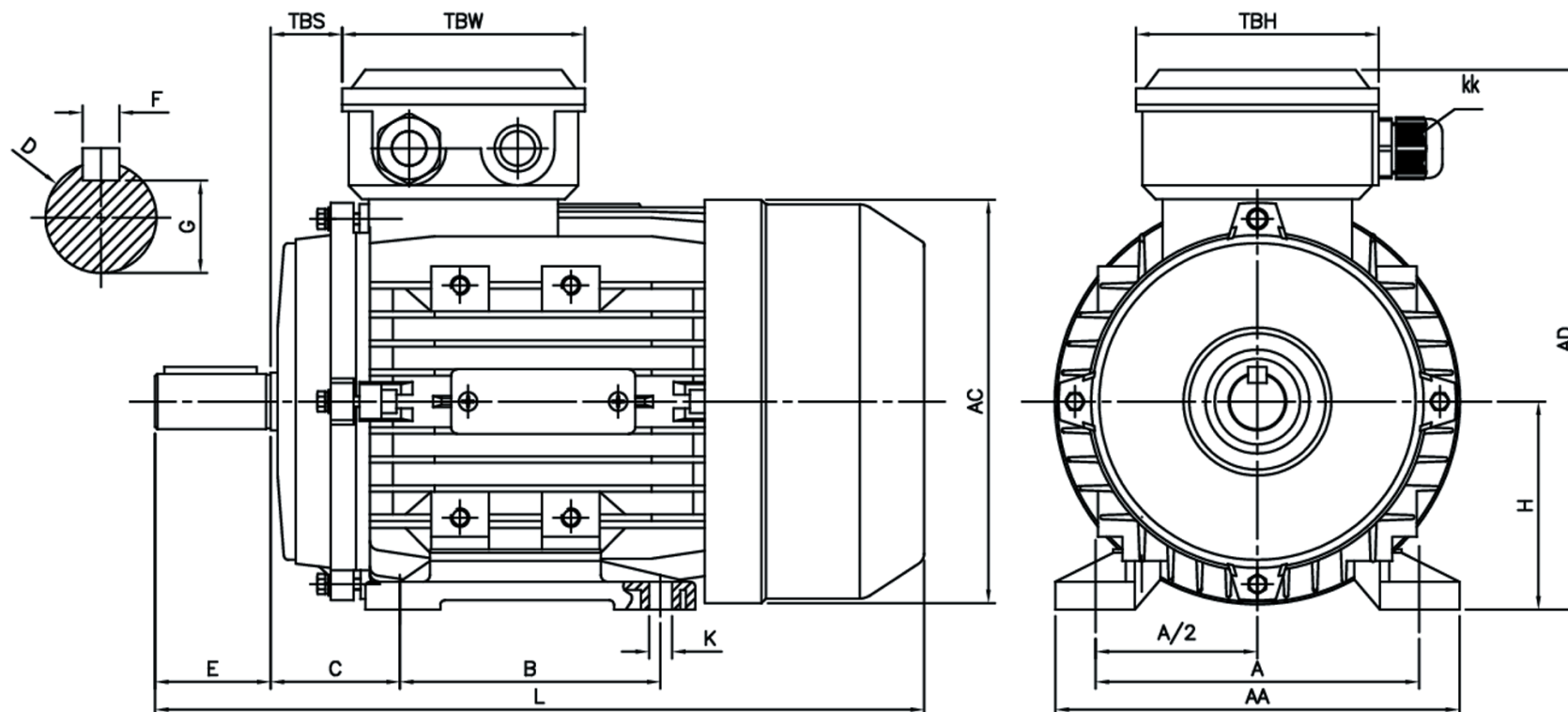
160M/L	ø300	ø250	ø350	5.0	ø19	0							ø42	110	12	37	2-M32X1.5	ø320	230	620	64	143	143
132M/L	ø265	ø230	ø300	4.0	ø15	0	ø215	ø180	ø250	4.0	ø15	0	ø38	80	10	33	2-M25X1.5	ø270	193	475/500	38	112	112
132S	ø265	ø230	ø300	4.0	ø15	0	ø215	ø180	ø250	4.0	ø15	0	ø38	80	10	33	2-M25X1.5	ø270	193	436	38	112	112
112	ø215	ø180	ø250	4.0	ø15	0	ø165	ø130	ø200	3.5	ø15	0	ø28	60	8	24	2-M25X1.5	ø230	180	395	32	112	112
100	ø215	ø180	ø250	4.0	ø15	0	ø165	ø130	ø200	3.5	ø15	0	ø28	60	8	24	1-M20X1.5	ø205	152	386	26	105	105
90L1/L2	ø165	ø130	ø200	3.5	ø12	0	ø130	ø110	ø160	3.5	ø12	0	ø24	50	8	20	1-M20X1.5	ø185	145	335/365	30	105	105
90S	ø165	ø130	ø200	3.5	ø12	0	ø130	ø110	ø160	3.5	ø12	0	ø24	50	8	20	1-M20X1.5	ø185	145	310	30	105	105
80	ø165	ø130	ø200	3.5	ø12	0	ø130	ø110	ø160	3.5	ø12	0	ø19	40	6	15.5	1-M20X1.5	ø165	137	290	27	105	105
71	ø130	ø110	ø160	3.5	ø10	0	ø115	ø95	ø140	3.0	ø10	0	ø14	30	5	11	1-M20X1.5	ø145	117	255	20	94	94
63	ø115	ø95	ø140	3.0	ø10	0							ø11	23	4	8.5	1-M16X1.5	ø130	110	215	14	94	94
56	ø98	ø80	ø120	3.0	ø7	0							ø9	20	3	7.2	1-M16X1.5	ø120	100	195	14	88	88
FRAME	M	N	P	T	S	R	M	N	P	T	S	R	D	E	F	G	KK	AC	HD	L	TBS	TBW	TBH
	B5						B5R																

160M/L	ø300	ø250	ø350	5.0	ø19	0							ø42	110	12	37	2-M32X1.5	ø320	230	620	64	143	143
132M/L	ø265	ø230	ø300	4.0	ø15	0	ø215	ø180	ø250	4.0	ø15	0	ø38	80	10	33	2-M25X1.5	ø270	193	475/500	38	112	112
132S	ø265	ø230	ø300	4.0	ø15	0	ø215	ø180	ø250	4.0	ø15	0	ø38	80	10	33	2-M25X1.5	ø270	193	436	38	112	112
112	ø215	ø180	ø250	4.0	ø15	0	ø165	ø130	ø200	3.5	ø15	0	ø28	60	8	24	2-M25X1.5	ø230	180	395	32	112	112
100	ø215	ø180	ø250	4.0	ø15	0	ø165	ø130	ø200	3.5	ø15	0	ø28	60	8	24	1-M20X1.5	ø205	152	386	26	105	105
90L1/L2	ø165	ø130	ø200	3.5	ø12	0	ø130	ø110	ø160	3.5	ø12	0	ø24	50	8	20	1-M20X1.5	ø185	145	335/365	30	105	105
90S	ø165	ø130	ø200	3.5	ø12	0	ø130	ø110	ø160	3.5	ø12	0	ø24	50	8	20	1-M20X1.5	ø185	145	310	30	105	105
80	ø165	ø130	ø200	3.5	ø12	0	ø130	ø110	ø160	3.5	ø12	0	ø19	40	6	15.5	1-M20X1.5	ø165	137	290	27	105	105
71	ø130	ø110	ø160	3.5	ø10	0	ø115	ø95	ø140	3.0	ø10	0	ø14	30	5	11	1-M20X1.5	ø145	117	255	20	94	94
63	ø115	ø95	ø140	3.0	ø10	0							ø11	23	4	8.5	1-M16X1.5	ø130	110	215	14	94	94
56	ø98	ø80	ø120	3.0	ø7	0							ø9	20	3	7.2	1-M16X1.5	ø120	100	195	14	88	88
FRAME	M	N	P	T	S	R	M	N	P	T	S	R	D	E	F	G	KK	AC	HD	L	TBS	TBW	TBH
	B5						B5R																

132M/L	φ130	φ165	φ200	4.0	0	M10	φ180	φ215	φ250	4.0	0	M12	φ38	80	10	33	2-M32X1.5	φ270	193	475/500	38	112	112
132S	φ130	φ165	φ200	4.0	0	M10	φ180	φ215	φ250	4.0	0	M12	φ38	80	10	33	2-M25X1.5	φ270	193	475	38	112	112
112	φ110	φ130	φ160	3.5	0	M8	φ130	φ165	φ200	3.5	0	M10	φ28	60	8	24	2-M25X1.5	φ230	180	395	32	112	112
100	φ110	φ130	φ160	3.5	0	M8	φ130	φ165	φ200	3.5	0	M10	φ28	60	8	24	2-M25X1.5	φ205	152	386	26	105	105
90L1/L2	φ95	φ115	φ140	3.0	0	M8	φ110	φ130	φ160	3.5	0	M8	φ24	50	8	20	1-M20X1.5	φ185	145	335/365	30	105	105
90S	φ95	φ115	φ140	3.0	0	M8	φ110	φ130	φ160	3.5	0	M8	φ24	50	8	20	1-M20X1.5	φ185	145	310	30	105	105
80	φ80	φ100	φ120	3.0	0	M6	φ110	φ130	φ160	3.5	0	M8	φ19	40	6	15.5	1-M20X1.5	φ165	137	290	27	105	105
71	φ70	φ85	φ105	2.5	0	M6	φ95	φ115	φ140	3.0	0	M8	φ14	30	5	11	1-M20X1.5	φ145	117	255	20	94	94
63	φ60	φ75	φ90	2.5	0	M5	φ80	φ100	φ120	2.5	0	M6	φ11	23	4	8.5	1-M16X1.5	φ130	110	215	14	94	94
56	φ50	φ65	φ80	2.5	0	M5							φ9	20	3	7.2	1-M16X1.5	φ120	100	195	14	88	88
FRAME	N	M	P	T	R	S	N	M	P	T	R	S	D	E	F	G	KK	AC	HD	L	TBS	TBW	TBH
	B14						B14B																

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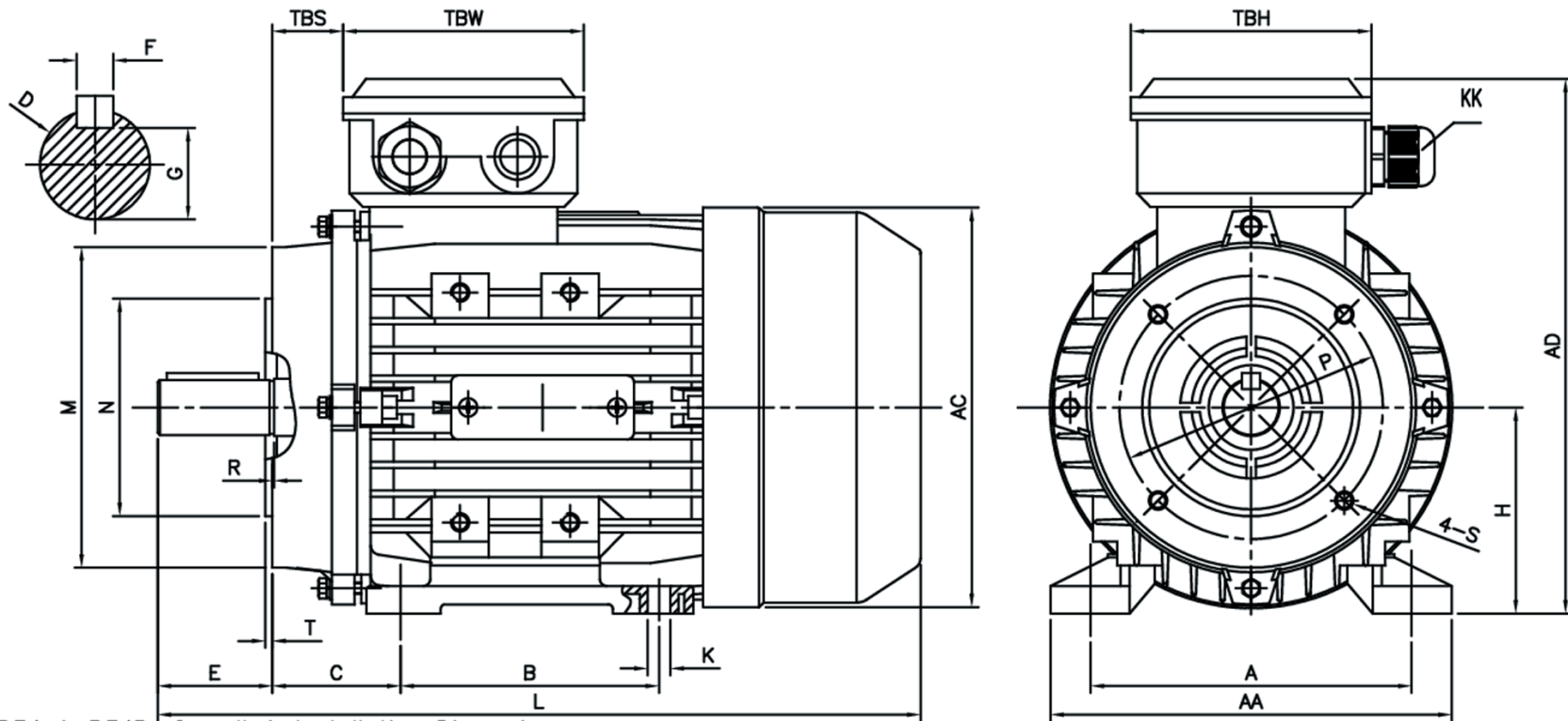
TEC-A B3 Foot Mounted



MS56-160 B3 Overall & Installation Dimension

160M/L	160	254	210/254	108	ø42	110	12	37	15X19	290	390	ø320	620	2-M32X1.5	64	143	143
132M/L	132	216	178	89	ø38	80	10	33	12X16	252	325	ø270	475/500	2-M25X1.5	38	112	112
132S	132	216	140	89	ø38	80	10	33	12X16	252	325	ø270	436	2-M25X1.5	38	112	112
112	112	190	140	70	ø28	60	8	24	12X16	220	292	ø230	395	2-M25X1.5	32	112	112
100	100	160	140	63	ø28	60	8	24	12X16	196	252	ø205	386	1-M20X1.5	26	105	105
90L1/L2	90	140	125	56	ø24	50	8	20	10X13	175	235	ø185	335/365	1-M20X1.5	30	105	105
90S	90	140	100	56	ø24	50	8	20	10X13	175	235	ø185	310	1-M20X1.5	30	105	105
80	80	125	100	50	ø19	40	6	15.5	10X13	160	217	ø165	290	1-M20X1.5	27	105	105
71	71	112	90	45	ø14	30	5	11	7X10	132	188	ø145	255	1-M20X1.5	20	94	94
63	63	100	80	40	ø11	23	4	8.5	7X10	120	173	ø130	215	1-M16X1.5	14	94	94
56	56	90	71	36	ø9	20	3	7.2	5.8X8.8	110	156	ø120	195	1-M16X1.5	14	88	88
FRAME	H	A	B	C	D	E	F	G	K	AA	AD	AC	L	KK	TBS	TBW	TBH

TEC-A B34 Foot and Face Mounted



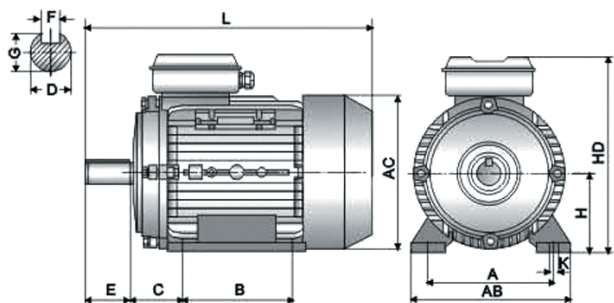
MS56-132 B34 & B34B Overall & Installation Dimension

132M/L	132	216	178	89	φ38	80	10	33	12X16	2-M25X1.5	φ165	φ130	φ200	4.0	0	M10	φ215	φ180	φ250	4.0	0	M12	φ270	325	252	475/500	38	112	112
132S	132	216	140	89	φ38	80	10	33	12X16	2-M25X1.5	φ165	φ130	φ200	4.0	0	M10	φ215	φ180	φ250	4.0	0	M12	φ270	325	252	436	38	112	112
112	112	190	140	70	φ28	60	8	24	12X16	2-M25X1.5	φ130	φ110	φ160	3.5	0	M8	φ165	φ130	φ200	4.0	0	M10	φ230	292	220	395	32	112	112
100	100	160	140	63	φ28	60	8	24	10X13	1-M20X1.5	φ130	φ110	φ160	3.5	0	M8	φ165	φ130	φ200	4.0	0	M10	φ205	252	196	386	26	105	105
90L1/L2	90	140	125	56	φ24	50	8	20	10X13	1-M20X1.5	φ115	φ95	φ140	3.0	0	M8	φ130	φ110	φ160	3.5	0	M8	φ185	235	175	335/365	30	105	105
90S	90	140	100	56	φ24	50	8	20	10X13	1-M20X1.5	φ115	φ95	φ140	3.0	0	M8	φ130	φ110	φ160	3.5	0	M8	φ185	235	175	310	30	105	105
80	80	125	100	50	φ19	40	6	15.5	10X13	1-M20X1.5	φ100	φ80	φ120	3.0	0	M6	φ130	φ110	φ160	3.5	0	M8	φ165	217	160	290	27	105	105
71	71	112	90	45	φ14	30	5	11	7X10	1-M20X1.5	φ85	φ70	φ105	2.5	0	M6	φ115	φ95	φ140	3.0	0	M8	φ145	188	132	255	20	94	94
63	63	100	80	40	φ11	23	4	8.5	7X10	1-M16X1.5	φ75	φ60	φ90	2.5	0	M5	φ100	φ80	φ120	3.0	0	M6	φ130	173	120	215	14	94	94
56	56	90	71	36	φ9	20	3	7.2	5.8X8.8	1-M16X1.5	φ65	φ50	φ80	2.5	0	M5							φ120	156	110	195	14	88	88
FRAME	H	A	B	C	D	E	F	G	K	KK	M	N	P	T	R	S	M	N	P	T	R	S	AC	AD	AA	L	TBS	TBW	TBH
											B14						B14B												

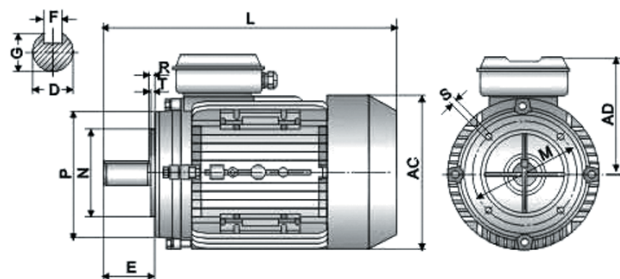
160M/L	160	φ300	φ250	φ350	5.0	0	φ19	φ300	φ250	φ350	5.0	0	φ19	254	210/254	108	φ42	110	12	37	15X19	2-M32X1.5	290	390	φ320	620	64	143	143
132M/L	132	φ265	φ230	φ300	4.0	0	φ15	φ265	φ230	φ300	4.0	0	φ15	216	178	89	φ38	80	10	33	12X16	2-M25X1.5	252	325	φ270	475/500	38	112	112
132S	132	φ265	φ230	φ300	4.0	0	φ15	φ265	φ230	φ300	4.0	0	φ15	216	140	89	φ38	80	10	33	12X16	2-M25X1.5	252	325	φ270	436	38	112	112
112	112	φ215	φ180	φ250	4.0	0	φ15	φ215	φ180	φ250	4.0	0	φ15	190	140	70	φ28	60	8	24	12X16	2-M25X1.5	220	292	φ230	395	32	112	112
100	100	φ215	φ180	φ250	4.0	0	φ15	φ215	φ180	φ250	4.0	0	φ15	160	140	63	φ28	60	8	24	10X13	1-M20X1.5	196	252	φ205	386	26	105	105
90L1/L2	90	φ165	φ130	φ200	3.5	0	φ12	φ165	φ130	φ200	3.5	0	φ12	140	125	56	φ24	50	8	20	10X13	1-M20X1.5	175	235	φ185	335/365	30	105	105
90S	90	φ165	φ130	φ200	3.5	0	φ12	φ165	φ130	φ200	3.5	0	φ12	140	100	56	φ24	50	8	20	10X13	1-M20X1.5	175	235	φ185	310	30	105	105
80	80	φ165	φ130	φ200	3.5	0	φ12	φ165	φ130	φ200	3.5	0	φ12	125	100	50	φ19	40	6	15.5	10X13	1-M20X1.5	160	217	φ165	290	27	105	105
71	71	φ130	φ110	φ160	3.5	0	φ10	φ130	φ110	φ160	3.5	0	φ10	112	90	45	φ14	30	5	11	7X10	1-M20X1.5	132	188	φ145	255	20	94	94
63	63	φ115	φ95	φ140	3.0	0	φ10	φ115	φ95	φ140	3.0	0	φ10	100	80	40	φ11	23	4	8.5	7X10	1-M16X1.5	120	173	φ130	215	14	94	94
56	56	φ98	φ80	φ120	3.0	0	φ7	φ98	φ80	φ120	3.0	0	φ7	90	71	36	φ9	20	3	7.2	5.8X8.8	1-M16X1.5	110	156	φ120	195	14	88	88
FRAME	H	M	N	P	T	R	S	M	N	P	T	R	S	A	B	C	D	E	F	G	K	KK	AA	AD	AC	L	TBS	TBW	TBH
		B5				B5R																							

160M/L	160	φ300	φ250	φ350	5.0	0	φ19	φ300	φ250	φ350	5.0	0	φ19	254	210/254	108	φ42	110	12	37	15X19	2-M32X1.5	290	390	φ320	620	64	143	143
132M/L	132	φ265	φ230	φ300	4.0	0	φ15	φ265	φ230	φ300	4.0	0	φ15	216	178	89	φ38	80	10	33	12X16	2-M25X1.5	252	325	φ270	475/500	38	112	112
132S	132	φ265	φ230	φ300	4.0	0	φ15	φ265	φ230	φ300	4.0	0	φ15	216	140	89	φ38	80	10	33	12X16	2-M25X1.5	252	325	φ270	436	38	112	112
112	112	φ215	φ180	φ250	4.0	0	φ15	φ215	φ180	φ250	4.0	0	φ15	190	140	70	φ28	60	8	24	12X16	2-M25X1.5	220	292	φ230	395	32	112	112
100	100	φ215	φ180	φ250	4.0	0	φ15	φ215	φ180	φ250	4.0	0	φ15	160	140	63	φ28	60	8	24	10X13	1-M20X1.5	196	252	φ205	386	26	105	105
90L1/L2	90	φ165	φ130	φ200	3.5	0	φ12	φ165	φ130	φ200	3.5	0	φ12	140	125	56	φ24	50	8	20	10X13	1-M20X1.5	175	235	φ185	335/365	30	105	105
90S	90	φ165	φ130	φ200	3.5	0	φ12	φ165	φ130	φ200	3.5	0	φ12	140	100	56	φ24	50	8	20	10X13	1-M20X1.5	175	235	φ185	310	30	105	105
80	80	φ165	φ130	φ200	3.5	0	φ12	φ165	φ130	φ200	3.5	0	φ12	125	100	50	φ19	40	6	15.5	10X13	1-M20X1.5	160	217	φ165	290	27	105	105
71	71	φ130	φ110	φ160	3.5	0	φ10	φ130	φ110	φ160	3.5	0	φ10	112	90	45	φ14	30	5	11	7X10	1-M20X1.5	132	188	φ145	255	20	94	94
63	63	φ115	φ95	φ140	3.0	0	φ10	φ115	φ95	φ140	3.0	0	φ10	100	80	40	φ11	23	4	8.5	7X10	1-M16X1.5	120	173	φ130	215	14	94	94
56	56	φ98	φ80	φ120	3.0	0	φ7	φ98	φ80	φ120	3.0	0	φ7	90	71	36	φ9	20	3	7.2	5.8X8.8	1-M16X1.5	110	156	φ120	195	14	88	88
FRAME	H	M	N	P	T	R	S	M	N	P	T	R	S	A	B	C	D	E	F	G	K	KK	AA	AD	AC	L	TBS	TBW	TBH
		B5				B5R																							

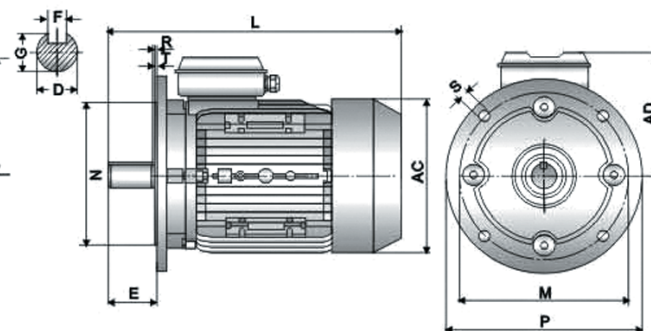
MY Series Single-Phase Capacitor Run Asynchronous Motors



IMB3



IMB14

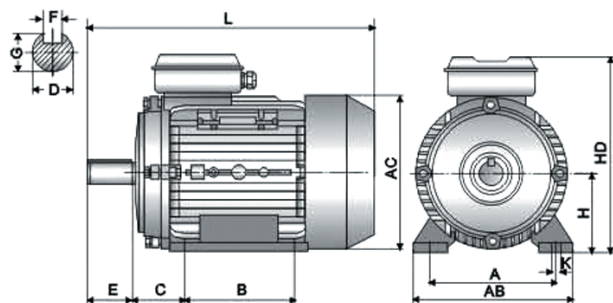


IMB5

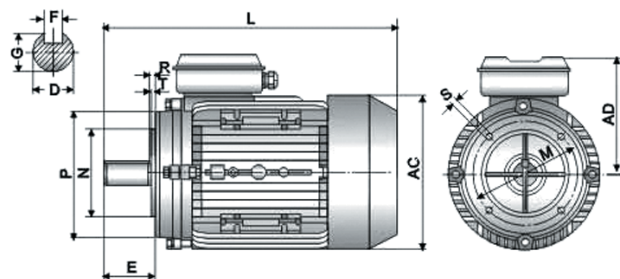
Frame Size	Mounting Dimensions																				Overall Dimensions (mm)					
										IMB14						IMB5										
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AB	AC	AD	HD	L
63	100	80	40	11	23	4	8.5	63	7	75	60	90	0	M5	2.5	115	95	140	0	10	3.0	130	130	115	185	230
71	112	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	145	145	125	205	255
80	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3.0	165	130	200	0	12	3.5	160	165	135	235	295
90S	140	100	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	145	265	335
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	145	265	360

Model	Power (KW)	Voltage (V)	Current (A)	Speed (r/min)	Efficiency (%)	Power Factor	Tstart/Tn (Time)	Tmax/Tn (Time)	Starting A. (A)	Run Capacitor (uf/v)
MY631-2	0.18	220	1.48	2800	60	0.92	0.4	1.7	5	8uf/450V
MY632-2	0.25	220	1.96	2800	63	0.92	0.4	1.7	7	12uf/450V
MY711-2	0.37	220	2.73	2800	67	0.92	0.35	1.7	10	16uf/450V
MY712-2	0.55	220	3.88	2800	70	0.92	0.35	1.7	15	20uf/450V
MY801-2	0.75	220	5.15	2800	72	0.92	0.33	1.7	20	25uf/450V
MY802-2	1.10	220	7.02	2800	75	0.95	0.33	1.7	30	30uf/450V
MY90S-2	1.50	220	9.44	2800	76	0.95	0.3	1.7	45	40uf/450V
MY90L-2	2.20	220	13.67	2800	77	0.95	0.3	1.7	65	60uf/450V
MY631-4	0.12	220	1.10	1400	55	0.90	0.4	1.7	3.5	8uf/450V
MY632-4	0.18	220	1.62	1400	56	0.90	0.4	1.7	5	10uf/450V
MY711-4	0.25	220	2.02	1400	61	0.92	0.35	1.7	7	10uf/450V
MY712-4	0.37	220	2.95	1400	62	0.92	0.35	1.7	10	14uf/450V
MY801-4	0.55	220	4.25	1400	64	0.92	0.35	1.7	15	20uf/450V
MY802-4	0.75	220	5.45	1400	68	0.92	0.32	1.7	20	25uf/450V
MY90S-4	1.10	220	7.45	1400	71	0.95	0.32	1.7	30	30uf/450V
MY90L-4	1.50	220	9.83	1400	73	0.95	0.3	1.7	45	40uf/450V

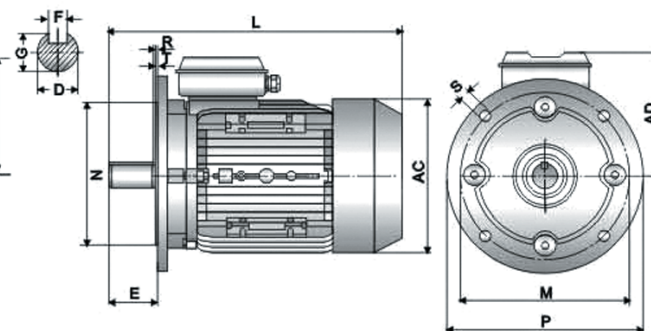
MC Series Single-Phase Capacitor Start Asynchronous Motors



IMB3



IMB14

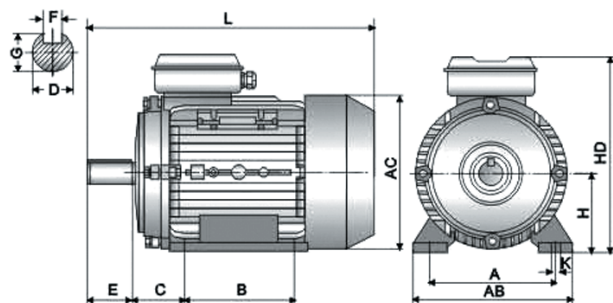


IMB5

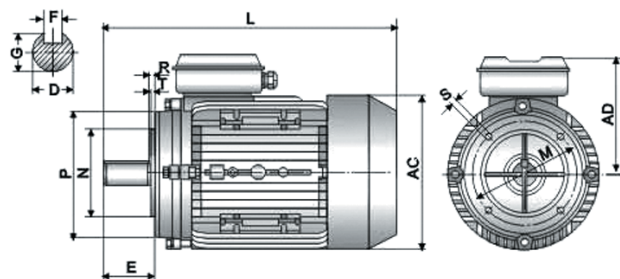
Frame Size	Mounting Dimensions																				Overall Dimensions (mm)					
										IMB14						IMB5										
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AB	AC	AD	HD	L
71	112	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	145	145	125	205	255
80	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3.0	165	130	200	0	12	3.5	160	165	135	235	295
90S	140	100	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	145	265	335
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	145	265	360
100L	160	140	63	28	60	8	24	100	12	-	-	-	-	-	-	215	180	250	0	15	4.0	205	215	170	280	380
112M	190	140	70	28	60	8	24	112	12	-	-	-	-	-	-	215	180	250	0	15	4.0	245	240	180	310	400

Model	Power (KW)	Voltage (V)	Current (A)	Speed (r/min)	Efficiency (%)	Power Factor	Tstart/Tn (Time)	Tmax/Tn (Time)	Starting A. (A)	Run Capacitor (uf/v)
MC711-2	0.18	220	1.89	2800	60	0.72	3.0	1.8	12	75uf/300V
MC712-2	0.25	220	2.40	2800	64	0.74	3.0	1.8	15	75uf/300V
MC801-2	0.37	220	3.36	2800	65	0.77	2.8	1.8	21	100uf/300V
MC802-2	0.55	220	4.65	2800	68	0.79	2.8	1.8	29	150uf/300V
MC90S-2	0.75	220	6.09	2800	70	0.80	2.5	1.8	37	200uf/300V
MC90L-2	1.10	220	8.68	2800	72	0.80	2.5	1.8	60	300uf/300V
MC100L1-2	1.50	220	11.38	2900	74	0.81	2.5	1.8	80	400uf/300V
MC100L2-2	2.20	220	16.46	2900	75	0.81	2.2	1.8	120	400uf/300V
MC112M-2	3.00	220	21.88	1400	76	0.82	2.2	1.8	150	600uf/300V
MC711-4	0.12	220	1.88	1400	50	0.58	3.0	1.8	9	75uf/300V
MC712-4	0.18	220	2.49	1400	53	0.62	2.8	1.8	12	75uf/300V
MC801-4	0.25	220	3.11	1400	58	0.63	2.8	1.8	15	100uf/300V
MC802-4	0.37	220	4.24	1400	62	0.64	2.5	1.8	21	100uf/300V
MC90S-4	0.55	220	5.49	1400	66	0.69	2.5	1.8	29	100uf/300V
MC90L-4	0.75	220	6.87	1400	68	0.73	2.5	1.8	37	150uf/300V
MC100L1-4	1.10	220	9.52	1400	71	0.74	2.5	1.8	60	200uf/300V
MC100L2-4	1.50	220	12.45	1450	73	0.75	2.5	1.8	80	400uf/300V
MC112M-4	2.20	220	17.78	1450	74	0.76	2.2	1.8	120	600uf/300V

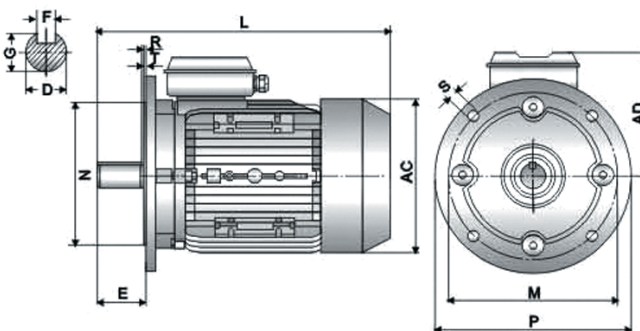
ML Series Single-Phase Dual-Capacitor Asynchronous Motors



IMB3



IMB14



IMB5

Frame Size	Mounting Dimensions																				Overall Dimensions (mm)					
										IMB14						IMB5										
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AB	AC	AD	HD	L
71	112	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	145	145	125	205	255
80	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3.0	165	130	200	0	12	3.5	160	165	135	235	295
90S	140	100	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	145	265	335
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	145	265	360
100L	160	140	63	28	60	8	24	100	12	-	-	-	-	-	-	215	180	250	0	15	4.0	205	215	170	280	380

Model	Power (KW)	Voltage (V)	Current (A)	Speed (r/min)	Efficiency (%)	Power Factor	Tstart/Tn (Time)	Tmax/Tn (Time)	Starting A. (A)	Start Capacitor (uf/v)	Run Capacitor (uf/v)
ML711-2	0.37	220	2.73	2800	67	0.92	2.3	1.8	16	75uf/300V	12uf/450V
ML712-2	0.55	220	3.88	2800	70	0.92	2.5	1.8	21	100uf/300V	16uf/450V
ML801-2	0.75	220	5.15	2800	72	0.92	2.5	1.8	30	100uf/300V	20uf/450V
ML802-2	1.10	220	7.02	2800	75	0.95	2.5	1.8	40	150uf/300V	25uf/450V
ML90S-2	1.50	220	9.44	2800	76	0.95	2.5	1.8	55	250uf/300V	40uf/450V
ML90L-2	2.20	220	13.67	2800	77	0.95	2.5	1.8	8	300uf/300V	60uf/450V
ML100L-2	3.00	220	18.2	2800	79	0.95	2.5	1.8	110	400uf/300V	60uf/450V
ML711-4	0.25	220	1.99	1400	62	0.92	2.5	1.8	12	50uf/300V	10uf/450V
ML712-4	0.37	220	2.81	1400	65	0.92	2.5	1.8	16	75uf/300V	10uf/450V
ML801-4	0.55	220	4.0	1400	68	0.92	2.5	1.8	21	100uf/300V	16uf/450V
ML802-4	0.75	220	5.22	1400	71	0.92	2.5	1.8	30	100uf/300V	20uf/450V
ML90S-4	1.10	220	7.2	1400	73	0.95	2.5	1.8	40	150uf/300V	30uf/450V
ML90L-4	1.50	220	9.57	1400	75	0.95	2.5	1.8	55	200uf/300V	35uf/450V
ML100L1-4	2.20	220	13.9	1400	76	0.95	2.5	1.8	80	300uf/300V	40uf/450V
ML100L2-4	3.00	220	18.6	1400	77	0.95	2.5	1.8	110	400uf/300V	60uf/450V

- In house modifications, heaters, thermistors, IP upgrade.
- Special voltages on reduced lead times.
- Shaft extensions on reduced lead times.
- Larger UK stocks of two speed, three and single phase motors.
- Special projects, customised products, UL and CSA motors.

