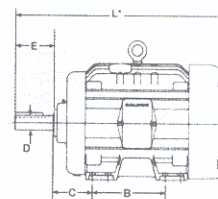
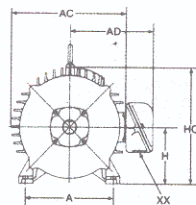
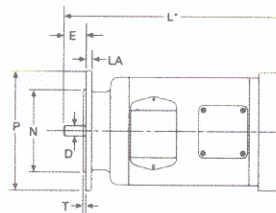
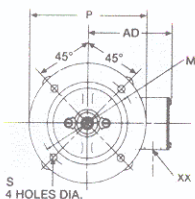


KEY AND KEYSEAT DIMENSIONS									
FRAME	D	G	F	GD	FRAME	D	G	F	GD
63	11	8.5	4	4	180	48	42.5	14	9
71	14	11	5	5	200	55	49	16	10
80	19	15.5	6	6	225	60	53	18	11
90	24	20	8	7	250	70	67.5	20	12
100	28	24	8	7	280	80	71	22	14
112	28	24	8	7	315	85	76	22	14
132	38	33	10	8	355	85	76	22	14
160	37	42	12	8					



Drawings represent standard TEFC general purpose motors. * Dimensions are for reference only

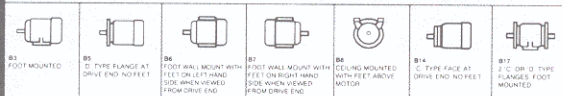
*CONTACT FACTORY FOR "L" DIMENSIONS

IEC - QUICK REFERENCE CHART

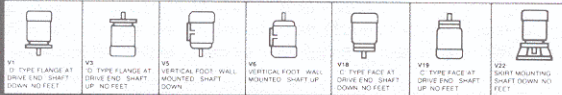
IEC FRAME	TYPE	FOOT MOUNTING				SHAFT				BS FLANGE				B14 FACE				GENERAL					
		A	B	C	H	D	E	LA	M	N	P	S	T	M	N	P	S	T	L	AC	AD	HC	XX
63	300	100	80	40	63	11	23	8	115	95	140	9	3	75	60	90	M5	2.5	*	119	102	121	13
		3.937	3.150	1.570	2.480	.433	.906	.313	4.528	3.740	5.512	.354	.118	2.953	2.362	3.540		.098		4.690	116d	136d	4.760
71	300	112	90	45	71	14	30	8	130	110	160	10	3.5	85	70	105	M6	2.5	*	119	102	131	18
		4.409	3.543	1.770	2.800	.551	1.181	.313	5.118	4.331	6.299	.393	.138	3.347	2.756	4.130		.098		4.690	145d	149d	5.140
80	400	125	100	50	80	19	40	13	165	130	200	11	3.5	100	80	120	M6	3	*	145	118	152	22
		4.921	3.937	1.969	3.150	.748	1.575	.500	6.496	5.118	7.874	.430	.138	3.937	3.150	4.724		.118		5.690d	145d	149d	5.375d
90	S	140	100	56	90	24	50	13	165	130	200	12	3.5	115	95	140	M8	3	*	145	118	152	22
		L	5.511	3.937	2.205	3.543	.945	1.969	.500	6.496	5.118	7.874	.472	.138	4.530	3.740	5.512		.118		6.614d	5.120	6.380d
100	S	160	100	63	100	28	60	14	215	180	250	14	4	130	110	160	M8	3.5	*	149	118	180	27
		L	6.300	4.409	2.480	3.937	1.102	2.362	.562	8.465	7.087	9.840	.560	.160	5.108	4.331	6.299		.138		7.875	153d	239d
112	S	190	112	70	112	28	60	14	215	180	250	14	4	130	110	160	M8	3.5	*	200	149	214	27
		M	7.480	4.488	2.760	4.409	1.102	2.362	.562	8.465	7.087	9.840	.560	.160	5.108	4.331	6.299		.138		7.875	5.875	8.437
132	S	216	132	89	132	38	80	14	265	230	300	14	4	165	130	200	M8	3.5	*	243	187	256	27
		M	8.504	5.512	3.504	5.197	1.496	3.150	.562	10.433	9.055	11.811	.560	.160	6.496	5.118	7.874		.138		9.562	7.375	10.062
160	M	254	160	108	160	42	110	20	300	250	350	19	5	215	180	250	M12	4	*	329	242	329	35
		L	10	8.268	4.252	6.299	1.654	4.331	.787	11.811	9.842	13.780	.748	.200	8.465	7.087	9.840		.160		12.940	9.510	12.940
180	M	279	180	121	180	48	110	300	250	350	19	5						*		395	333	372	51
		L	10.984	9.488	4.764	7.087	1.890	4.331		11.811	9.842	13.780	.748	.200						15.560	13.120	14.640	2.008
200	L	318	200	133	200	55	110	350	300	400	19							*		441	359	416	63
		M	12.520	10.512	5.236	7.874	2.165	4.331		13.780	11.811	15.748	.748							17.375	14.125	16.375	2.500
225	S	356	225	149	225	60	140	400	350	450	19							*		495	383	483	63
		M	14.016	11.260	5.866	8.858	2.362	5.512		15.748	13.780	17.716	.748							19.488	15.079	19.016	2.500
250	S	406	250	168	250	70	140											*		520	457	513	63
		M	15.984	12.244	6.614	9.843	2.756	5.512												20.472	17.992	20.197	2.500
280	S	457	280	190	280	80	170											*		616	497	581	63
		M	17.992	14.488	7.485	11.025	3.150	6.693												24.252	19.567	22.874	2.500
315	S	508	315	216	315	85	170											*		759	683	682	102
		M	20	16	8.500	12.400	3.346	6.693												29.900	26.880	26.840	4
355	S	610	355	254	355	85	170											*		759	683	719	102
		L	24	19.690	10	13.980	3.346	6.693												29.900	26.880	28.320	4

LEGEND
 METRIC (MM) DIMENSIONS IN BLACK
 INCH DIMENSIONS IN BLUE
 d = DC MOTORS
 1mm = .03937" 1" = 25.40mm

HORIZONTAL SHAFT ARRANGEMENTS



VERTICAL SHAFT ARRANGEMENTS



IP Protection

- IP22** = Open Drip Proof AC or DC Motors.
- IP54** = All standard TEFC AC and DC Motors.
- IP55** = All TEFC Chemical Processing, Dirty Duty, Explosion Proof and Washdown Duty Motors

SUMMARY OF IP PROTECTION NUMBERS

- First # Protection against Solid Objects
 Second # Protection against Liquids
- IP TESTS**
- 1 Protection against solid objects up to 50 mm (E.G. Accidental touch by hands).
 - 2 Protection against solid objects up to 12 mm (E.G. Fingers).
 - 3 Protection against solid objects over 2.5 mm (E.G. Tools, Wires and Small Wires).
 - 4 Protection against solid objects over 1 mm (E.G. Tools, Wires and Small Wires).
 - 5 Protection against dust - limited ingress (No harmful deposits).
 - 6 Totally protected against all dust.
 - 0 NO PROTECTION.
 - 1 Protection against vertical drops of water (E.G. Condensation).
 - 2 Protection against falling water up to 15 degrees from the vertical.
 - 3 Protection against falling water up to 60 degrees from the vertical.
 - 4 Protection against splashing water from all directions, limited ingress.
 - 5 Protection against strong jets of water (E.G. Use on shipdecks, limited ingress).
 - 6 Protection against immersion.
 - 7 Protection against immersion.
 - 8 Protection against submersion.