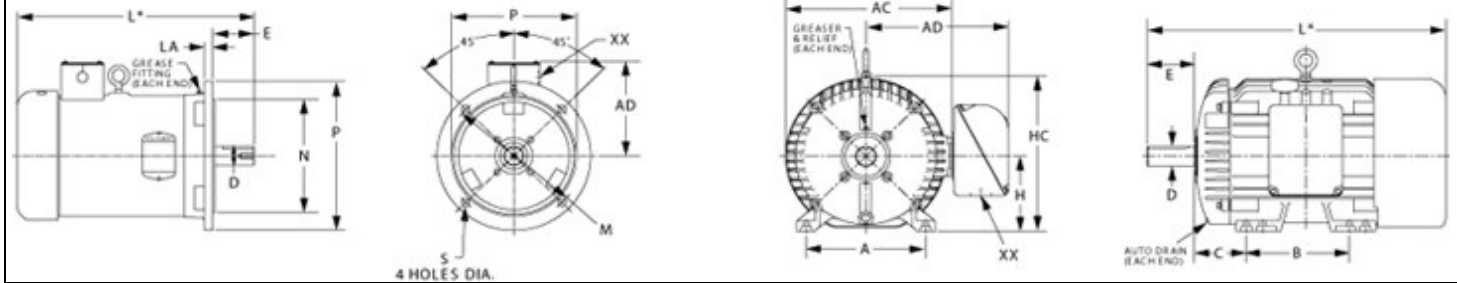


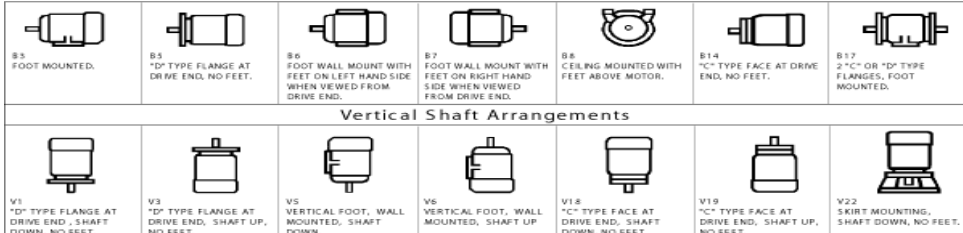
IEC – QUICK REFERENCE CHART

Key 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	7	7	250	70	67.5	20	12
	100	28	24	7	7	280	80	71	22	14
	112	28	24	7	7	315	85	76	22	14
	132	38	33	10	8	355	85	76	22	14
	160	37	42	12	8					



IEC	FRAME	Type	Foot Mounting				Shaft				B5 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 3.937	80 3.150	40 1.570	63 2.480	.433	.23	8 .313	115 4.528	95 3.740	140 5.512	9 .354	3 .118	75 2.953	60 2.362	90 3.540	M5	2.5 .098	*	119 4.690	102 4 4.760 136d 5.375d	121 6 4.760 21d 8.80d	13 500 22d 880d	
71	300 400		112 4.409	90 3.543	45 1.750	71 2.800	14 .551	30 1.181	8 .313	130 5.118	110 4.331	160 6.299	10 .393	3.5 1.38	85 3.347	70 2.756	105 4.130	M6	2.5 .098	*	119 4.690 145d 5.890d	102 4 5.140 149d 5.880d	131 6 5.140 21d 8.44d	18 500 22d 880d	
80	400 500		125 4.921	100 3.937	50 1.969	80 3.150	19 .748	40 1.575	13 .500	165 6.496	130 5.118	200 7.874	11 .430	3.5 1.38	100 3.937	80 3.150	120 4.724	M6	3 .118	*	145 5.690 168d 6.614d	116 4.510 130 5.120	152 6 4.510 21d 6.330d	18 500 22d 880d	
90	S L		140 5.511	100 3.937 125 4.921	56 2.205	90 3.543	24 .945	50 1.969	13 .500	165 6.496	130 5.118	200 7.874	12 .472	3.5 1.38	115 4.530	95 3.740	140 5.512	M8	3 .118	*	168 6.614 144d 5.687d	130 5.120 107d 4.250d	173 6.810 165d 6.531d	22 500 22d 880d	
100	S L		160 6.300	112 4.409 140 5.512	63 2.480	100 3.937	28 1.102	60 2.362	14 .562	215 8.465	180 7.087	250 9.840	14 .560	4 .160	130 5.108	110 4.331	160 6.299	M8	3.5 .138	*	200 7.875	149 5.875 153d 6.060d	180 7.906 239d 9.440d	27 1.062	
112	S M		190 7.480	114 4.488 140 5.512	70 2.760	112 4.409	28 1.102	60 2.362	14 .562	215 8.465	180 7.087	250 9.840	14 .560	4 .160	130 5.108	110 4.331	160 6.299	M8	3.5 .138	*	200 7.875	149 5.875	214 8.437	27 1.062	
132	S M		216 8.504	140 5.512 178 7.008	89 3.504	132 5.197	38 1.496	80 3.150	14 .562	265 10.433	230 9.055	300 11.811	14 .560	4 .160	165 6.496	130 5.118	200 7.874	M8	3.5 .138	*	243 9.562	187 7.375	256 10.062	27 1.062	
160	M L		254 10	210 8.268 254 10	108 4.252	160 6.299	42 1.654	110 4.331	20 .787	300 11.811	250 9.842	350 13.780	19 .748	5 .200	215 8.465	180 7.087	250 9.840	M12	4 .160	*	329 12.940	242 9.510	329 12.940	35 1.375	
180	M L		279 10.984	241 9.488 279 10.984	121 4.764	180 7.087	48 1.890	110 4.331	20 .787	300 11.811	250 9.842	350 13.780	19 .748	5 .200								395 15.560	333 13.120	372 14.640	51 2.008
200	L M		318 12.520	267 10.512 305 12.008	133 5.236	200 7.874	55 2.165	110 4.331	27 1.062	350 13.780	300 11.811	400 15.748	19 .748	5 .200								441 17.375	359 14.125	416 16.375	63 2.500
225	S M		356 14.016	286 11.260 311 12.244	149 5.866	225 8.858	60 2.362	140 5.512	19 .748	400 15.748	350 13.780	450 17.716	19 .748	6 .236								495 19.488	383 15.079	483 19.016	63 2.500
250	S M		406 15.984	311 12.244 349 13.740	168 6.614	250 9.843	70 2.756	140 5.512														520 20.472	457 17.992	513 20.197	63 2.500
280	S M		457 17.992	368 14.488 419 16.496	190 7.485	280 11.025	80 3.150	170 6.693														616 24.252	497 19.567	581 22.874	63 2.500
315	S M		508 20	406 16 457 18	216 8.500	315 12.400	85 3.346	170 6.693														759 29.900	683 26.880	682 26.840	102 4
355	S L		610 24	500 19.690 630 24.800	254 10	355 13.980	85 3.346	170 6.693														759 29.900	683 26.880	719 28.320	102 4

LEGEND
 Metric (mm) dimensions in black
 Inch dimensions in red
 d = DC Motors
 1 mm = .03937" 1" = 25.40 mm



SUMMARY OF IP PROTECTION NUMBERS

First #	Second #
0	NO PROTECTION
1	Protection against solid objects up to 50 mm. (E.G. Accidental touch by hands.)
2	Protection against solid objects over 2.5 mm. (E.G. Fingers)
3	Protection against solid objects over 2.5 mm. (E.G. Tools, Wires)
4	Protection against solid objects over 1mm. (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 low pressure jets of water from all directions, limited ingress.
6	Protection against strong jets of water. (E.G. Use on ship decks, limited ingress.)
7	Protection against immersion.
8	Protection against submersion.