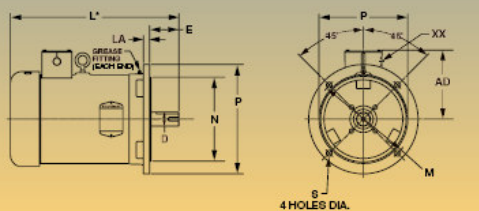
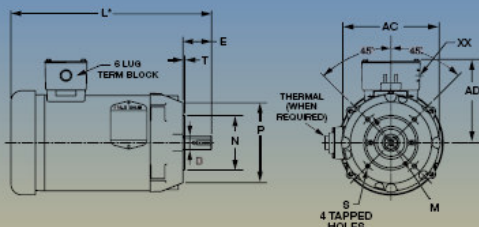


BALDOR

MOTORS • DRIVES • GENERATORS

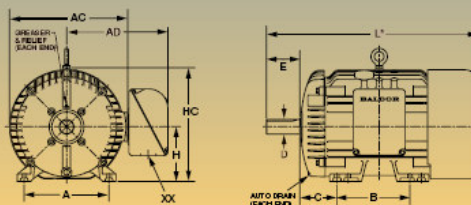
Leader in Energy Efficient Industrial Electric Motors and Drives



| Key and Keyseat Dimensions | | | | | | | | | |
|----------------------------|----|------|----|----|-------|----|------|----|----|
| Frame | D | d | F | GD | Frame | D | d | 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 | 95 | 76 | 22 | 14 |
| 160 | 42 | 37 | 12 | 8 | | | | | |

Drawings represent standard TEFC general purpose motors.

*Dimensions are for reference only.



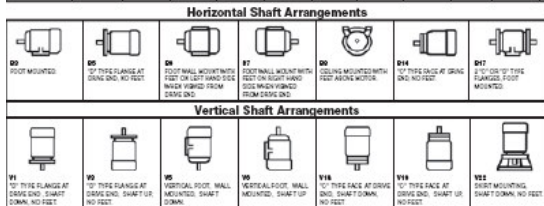
*Contact your local Baldor office for "L" Dimensions.

IEC QUICK REFERENCE CHART

| 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 | 11 .433 | 23 .906 | 8 .313 | 115 4.528 | 95 3.740 | 140 5.512 | 9 .354 | 118 .465 | 75 2.953 | 80 3.150 | 90 3.540 | M5 | 2.5 .098 | * | 119 4.690 | 102 4.016 | 121 4.760 | 13 .500 | 19 .750 |
| 71 | 300 | 112 4.409 | 90 3.543 | 45 1.770 | 71 2.800 | 14 .551 | 30 1.191 | 8 .313 | 130 5.118 | 110 4.331 | 160 6.299 | 10 .393 | 138 .543 | 95 3.740 | 70 2.756 | 105 4.130 | M6 | 2.5 .098 | * | 119 4.690 | 102 4.016 | 131 5.160 | 18 .709 | 24 .945 |
| 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 | 138 .543 | 100 3.937 | 80 3.150 | 120 4.724 | M6 | 3 .118 | * | 145 5.690 | 116 4.571 | 152 6.024 | 22 .869 | 28 1.102 |
| 90 | S L | 140 5.511 | 100 3.937 | 56 2.205 | 90 3.543 | 24 .945 | 50 1.969 | 13 .500 | 165 6.496 | 130 5.118 | 200 7.874 | 12 .472 | 138 .543 | 115 4.530 | 95 3.740 | 140 5.512 | M6 | 3 .118 | * | 145 5.690 | 116 4.571 | 152 6.024 | 22 .869 | 28 1.102 |
| 100 | S L | 160 6.300 | 100 3.937 | 60 2.480 | 100 3.937 | 28 1.102 | 60 2.362 | 14 .562 | 215 8.465 | 190 7.087 | 250 9.840 | 14 .560 | 160 6.300 | 110 4.331 | 160 6.299 | M8 | 3.5 .138 | * | 200 7.875 | 149 5.875 | 190 7.500 | 27 1.062 | 35 1.378 | |
| 112 | S M | 190 7.480 | 114 4.488 | 70 2.760 | 112 4.409 | 28 1.102 | 60 2.362 | 14 .562 | 215 8.465 | 190 7.087 | 250 9.840 | 14 .560 | 160 6.300 | 110 4.331 | 160 6.299 | M8 | 3.5 .138 | * | 243 9.567 | 149 5.875 | 214 8.437 | 27 1.062 | 35 1.378 | |
| 132 | S M | 218 8.584 | 140 5.512 | 88 3.504 | 132 5.200 | 38 1.496 | 80 3.150 | 14 .562 | 255 10.039 | 230 9.055 | 300 11.811 | 14 .560 | 160 6.300 | 110 4.331 | 200 7.874 | M8 | 3.5 .138 | * | 243 9.567 | 187 7.375 | 256 10.082 | 27 1.062 | 35 1.378 | |
| 160 | M L | 254 10 | 210 8.268 | 109 4.292 | 160 6.299 | 42 1.654 | 110 4.331 | 20 .787 | 300 11.811 | 250 9.842 | 350 13.780 | 19 .748 | 200 7.874 | 215 8.465 | 180 7.087 | M12 | 4 .160 | * | 329 12.940 | 242 9.510 | 329 12.940 | 35 1.375 | 51 2.008 | |
| 180 | M L | 279 10.984 | 241 9.488 | 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 | 200 7.874 | 215 8.465 | 180 7.087 | M12 | 4 .160 | * | 395 15.560 | 333 13.120 | 372 14.640 | 51 2.008 | 69 2.716 | |
| 200 | L M | 318 12.520 | 287 11.300 | 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 | 200 7.874 | 215 8.465 | 180 7.087 | M12 | 4 .160 | * | 441 17.375 | 359 14.125 | 416 16.375 | 69 2.716 | 87 3.425 | |
| 225 | S M | 356 14.016 | 286 11.260 | 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 | 200 7.874 | 215 8.465 | 180 7.087 | M12 | 4 .160 | * | 495 19.488 | 383 15.079 | 483 19.016 | 69 2.716 | 87 3.425 | |
| 250 | S M | 406 15.984 | 311 12.244 | 168 6.614 | 250 9.840 | 70 2.756 | 140 5.512 | 19 .748 | 400 15.748 | 350 13.780 | 450 17.716 | 19 .748 | 200 7.874 | 215 8.465 | 180 7.087 | M12 | 4 .160 | * | 530 20.872 | 457 17.992 | 513 20.197 | 69 2.716 | 87 3.425 | |
| 290 | S M | 457 17.992 | 368 14.488 | 190 7.485 | 290 11.025 | 90 3.550 | 170 6.693 | 19 .748 | 400 15.748 | 350 13.780 | 450 17.716 | 19 .748 | 200 7.874 | 215 8.465 | 180 7.087 | M12 | 4 .160 | * | 616 24.252 | 497 19.567 | 581 22.874 | 69 2.716 | 87 3.425 | |
| 315 | S M | 508 20 | 406 15.984 | 216 8.500 | 315 12.400 | 95 3.740 | 170 6.693 | 19 .748 | 400 15.748 | 350 13.780 | 450 17.716 | 19 .748 | 200 7.874 | 215 8.465 | 180 7.087 | M12 | 4 .160 | * | 759 29.900 | 683 26.880 | 682 26.840 | 102 4 | 126 5.000 | |
| 355 | S L | 610 24 | 500 19.690 | 254 10 | 355 13.980 | 95 3.740 | 170 6.693 | 19 .748 | 400 15.748 | 350 13.780 | 450 17.716 | 19 .748 | 200 7.874 | 215 8.465 | 180 7.087 | M12 | 4 .160 | * | 759 29.900 | 683 26.880 | 719 28.320 | 102 4 | 126 5.000 | |

LEGEND

Metric (MM) Dimensions in Black
Inch Dimensions in Red
d = DC Motors
1 mm = .03937" 1" = 25.40 mm



IP Protection - Baldor Enclosures

- IP22 - Open Drip Proof AC or DC Motors.
- IP44 - All standard TEFC AC and DC Motors.
- IP55 - All TEFC Chemical Processing, Dirty Duty, and Washdown Duty Motors.

BALDOR ELECTRIC COMPANY
P.O. BOX 2400
FORT SMITH, ARKANSAS
72902-2400 U.S.A.

SUMMARY OF IP PROTECTION NUMBERS

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