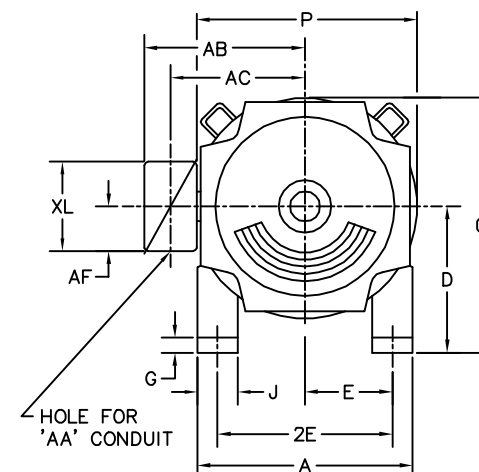




|        | FOOT MOUNTING |       |       |      |       |      | D.E. SHAFT EXTENSION |      |       |                   |     | DRIVE KEY |          | ACC SHAFT EXTENSION |       |      | ACC KEY |          | FRAME |       |       |       |                    |       |       |  |
|--------|---------------|-------|-------|------|-------|------|----------------------|------|-------|-------------------|-----|-----------|----------|---------------------|-------|------|---------|----------|-------|-------|-------|-------|--------------------|-------|-------|--|
| FRAME  | BA            | E     | 2F    | G    | H     | J    | N                    | N-W  | U     | V                 | W   | KEY-SQ.   | KEY-LONG | FN                  | FU    | FV   | KEY-SQ. | KEY-LONG | A     | B     | C     | FC    | D                  | O     | P     |  |
| 504AT  | 8.50          | 10.00 | 16.00 | 1.18 | 1.188 | 4.50 | 6.76                 | 6.57 | 3.250 | 6.32 <sup>3</sup> | .19 | .750      | 5.25     | 5.95                | 2.875 | 5.70 | .750    | 5.00     | 24.88 | 18.88 | 45.75 | 51.00 | 12.50 <sup>2</sup> | 24.91 | 24.81 |  |
| 506AT  | 8.50          | 10.00 | 20.00 | 1.18 | 1.188 | 4.50 | 6.76                 | 6.57 | 3.250 | 6.32 <sup>3</sup> | .19 | .750      | 5.25     | 5.95                | 2.875 | 5.70 | .750    | 5.00     | 24.88 | 22.88 | 49.75 | 55.00 | 12.50 <sup>2</sup> | 24.91 | 24.81 |  |
| 508AT  | 8.50          | 10.00 | 25.00 | 1.18 | 1.188 | 4.50 | 6.76                 | 6.57 | 3.250 | 6.32 <sup>3</sup> | .19 | .750      | 5.25     | 5.95                | 2.875 | 5.70 | .750    | 5.00     | 24.88 | 27.88 | 54.75 | 60.00 | 12.50 <sup>2</sup> | 24.91 | 24.81 |  |
| 5010AT | 8.50          | 10.00 | 32.00 | 1.18 | 1.188 | 4.50 | 6.76                 | 6.57 | 3.250 | 6.32 <sup>3</sup> | .19 | .750      | 5.25     | 5.95                | 2.875 | 5.70 | .750    | 5.00     | 24.88 | 34.88 | 61.75 | 67.00 | 12.50 <sup>2</sup> | 24.91 | 24.81 |  |
| 5011AT | 8.50          | 10.00 | 36.00 | 1.18 | 1.188 | 4.50 | 6.76                 | 6.57 | 3.375 | 6.32 <sup>3</sup> | .19 | .875      | 5.25     | 5.95                | 2.875 | 5.70 | .750    | 5.00     | 24.88 | 38.88 | 65.75 | 71.00 | 12.50 <sup>2</sup> | 24.91 | 24.81 |  |
| 5012AT | 8.50          | 10.00 | 43.00 | 1.18 | 1.188 | 4.50 | 7.06                 | 6.87 | 4.250 | 6.62 <sup>3</sup> | .19 | 1.000     | 5.25     | 5.95                | 2.875 | 5.70 | 1.000   | 5.00     | 24.88 | 45.88 | 73.75 | 79.75 | 12.50 <sup>2</sup> | 24.91 | 24.91 |  |

|        | CONDUIT BOX    |       |       |      |       |       |       | ARM APPROX.<br>WK <sup>2</sup><br>LBS.FT. <sup>2</sup> | APPROXIMATE<br>WEIGHT |
|--------|----------------|-------|-------|------|-------|-------|-------|--------------------------------------------------------|-----------------------|
| FRAME  | AA             | AB    | AC    | AF   | BS    | XL    | XN    |                                                        |                       |
| 504AT  | 3              | 20.65 | 16.81 | 2.62 | 13.25 | 11.63 | 7.76  | 79.10                                                  | 1910 <sup>5</sup>     |
| 506AT  | 3              | 20.65 | 16.81 | 2.62 | 17.25 | 11.63 | 7.76  | 98.76                                                  | 2290 <sup>5</sup>     |
| 508AT  | 3              | 20.65 | 16.81 | 2.62 | 22.25 | 11.63 | 7.76  | 121.87                                                 | 2820 <sup>5</sup>     |
| 5010AT | 4 <sup>4</sup> | 21.20 | 16.81 | 2.84 | 30.12 | 13.40 | 13.50 | 156                                                    | 3450 <sup>5</sup>     |
| 5011AT | 4 <sup>4</sup> | 21.20 | 16.81 | 2.84 | 34.12 | 13.40 | 13.50 | 161                                                    | 3810 <sup>5</sup>     |
| 5012AT | 4 <sup>4</sup> | 21.20 | 17.19 | 2.84 | 41.12 | 13.40 | 13.50 | 170                                                    | 4887 <sup>5</sup>     |

- 1) SHAFT DIAMETERS TO 1.500 TOLERANCE +.0000 -.0005  
SHAFT DIAMETERS ABOVE 1.500 TOLERANCE +.0000 -.0010  
SHAFT DIAMETERS TO 1.625 RUNOUT .002 T.I.R. MAX.  
SHAFT DIAMETERS ABOVE 1.625 RUNOUT .003 T.I.R. MAX.
- 2) 'D' DIMENSION TOLERANCE +.000 - .060.
- 3) 'V' DIMENSION IS MAX. HUB LENGTH ON SHAFT
- 4) THERE ARE TWO HOLES FOR 4" CONDUIT, SECOND HOLE IS 6" TOWARD DRIVE END.
- 5) TOTAL WEIGHT OF MOTOR.
- 6) ALL DIMENSIONS NOT NOTED ARE NOMINAL DIMENSIONS CONSULT FACTORY FOR TOLERANCES.

FOR F1 OR F2 CONDUIT BOX  
LOCATION SEE SALES ORDER

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: CHG (5011)U DIM TO 3.375, KEY-SQ TO .875

|             |         |                              |             |
|-------------|---------|------------------------------|-------------|
| REV. LTR: D | BY: MBT | REVISED: 07:59:01 04/22/2003 | TDR: 299170 |
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FILE: CHB00001040

MTL: —

REF: 877-3

BALDOR ELECTRIC Co.

DIM SHEET: 504-5012AT,DPFG