## 1.0 HP

4 POLE

| N2 R/MIN | i | lb in | Fm | lbf | Unit Designation | lb | | |
|---|---|---|---|---|---|---|---|---|
| Output Speed | Ratio | Output Torque | Service Factor | Overhung Load | Column Entry 1 Through 20<br>Spaces to be filled when entering order | Weight of base mount unit | IEC Motor Size | NEMA Motor Size |
| 457 | 3.75 | 133 | 3.7 | 340 | M 0 1 2 2 3 . 6 _ _ - _ _ 1 . 0 B - - | 40.7 | 80A | 143TC |
| 338 | 5.07 | 180 | 3.12 | 353 | 5 . 0 | | | |
| 297 | 5.76 | 204 | 2.9 | 358 | 5 . 6 | | | |
| 262 | 6.53 | 232 | 2.68 | 363 | 6 . 3 | | | |
| 205 | 8.35 | 297 | 2.3 | 369 | 8 . 0 | | | |
| 190 | 9 | 319 | 2.16 | 367 | 9 . 0 | | | |
| 151 | 11.36 | 402 | 1.8 | 362 | 1 1 . | | | |
| 133 | 12.88 | 459 | 1.61 | 347 | 1 2 . | | | |
| 116 | 14.71 | 524 | 1.46 | 368 | 1 4 . | | | |
| 105 | 16.37 | 579 | 1.35 | 349 | 1 6 . | | | |
| 95 | 18.05 | 641 | 1.24 | 307 | 1 8 . | | | |
| 86 | 19.86 | 705 | 1.13 | 404 | 2 0 . | | | |
| 74 | 23.27 | 825 | 0.96 | 339 | 2 2 . | | | |
| 61 | 27.92 | 988 | 0.8 | 216 | 2 8 . | | | |
| 188 | 9.09 | 324 | 3.71 | 899 | M 0 2 2 2 9 . 0 _ _ - _ _ 1 . 0 B - - | 49.6 | 80A | 143TC |
| 153 | 11.15 | 398 | 3.14 | 899 | 1 1 . | | | |
| 138 | 12.37 | 441 | 2.89 | 899 | 1 2 . | | | |
| 122 | 14.05 | 500 | 2.6 | 899 | 1 4 . | | | |
| 107 | 15.97 | 567 | 2.4 | 899 | 1 6 . | | | |
| 97 | 17.58 | 626 | 2.19 | 899 | 1 8 . | | | |
| 85 | 20.23 | 719 | 1.97 | 882 | 2 0 . | | | |
| 78 | 21.99 | 782 | 1.81 | 868 | 2 2 . | | | |
| 65 | 26.4 | 938 | 1.51 | 899 | 2 8 . | | | |
| 54 | 31.68 | 1123 | 1.26 | 859 | 3 2 . | | | |
| 48 | 35.69 | 1263 | 1.12 | 899 | 3 6 . | | | |
| 41 | 41.49 | 1470 | 0.96 | 899 | 4 5 . | | | |
| 36 | 47.09 | 1668 | 0.85 | 840 | 5 0 . | | | |
| 153 | 11.15 | 398 | 3.78 | 899 | M 0 3 2 2 1 1 . _ _ - _ _ 1 . 0 B - - | 49.6 | 80A | 143TC |
| 138 | 12.37 | 441 | 3.53 | 899 | 1 2 . | | | |
| 122 | 14.05 | 499 | 3.24 | 899 | 1 4 . | | | |
| 107 | 15.97 | 569 | 3.02 | 799 | 1 6 . | | | |
| 97 | 17.58 | 626 | 2.78 | 779 | 1 8 . | | | |
| 85 | 20.23 | 720 | 2.53 | 745 | 2 0 . | | | |
| 78 | 21.99 | 783 | 2.36 | 859 | 2 2 . | | | |
| 65 | 26.4 | 940 | 1.97 | 810 | 2 8 . | | | |
| 54 | 31.68 | 1119 | 1.65 | 696 | 3 2 . | | | |
| 48 | 35.69 | 1258 | 1.47 | 766 | 3 6 . | | | |
| 41 | 41.49 | 1466 | 1.18 | 899 | 4 5 . | | | |
| 36 | 47.09 | 1669 | 1.06 | 840 | 5 0 . | | | |
| 32 | 53.54 | 1896 | 0.96 | 679 | 5 6 . | | | |
| 30 | 57.03 | 1994 | 0.93 | 604 | M 0 3 3 2 5 6 . _ _ - _ _ 1 . 0 B - - | 51.8 | 80A | 143TC |
| 27 | 62.87 | 2203 | 0.84 | 454 | 6 3 . | | | |
| 83 | 20.61 | 735 | 3.61 | 1438 | M 0 4 2 2 2 0 . _ _ - _ _ 1 . 0 B - - | 67.2 | 80A | 143TC |
| 78 | 22 | 783 | 3.42 | 1465 | 2 2 . | | | |
| 63 | 27.3 | 974 | 2.86 | 1558 | 2 8 . | | | |
| 53 | 32.19 | 1143 | 2.49 | 1587 | 3 2 . | | | |
| 49 | 35.25 | 1256 | 2.3 | 1582 | 3 6 . | | | |
| 40 | 43.2 | 1528 | 1.93 | 1608 | 4 5 . | | | |
| 36 | 48.15 | 1701 | 1.76 | 1604 | 5 0 . | | | |
| 32 | 54 | 1911 | 1.25 | 1618 | 5 6 . | | | |
| 29 | 58.38 | 2042 | 1.4 | 1615 | M 0 4 3 2 5 6 . _ _ - _ _ 1 . 0 B - - | 71.6 | 80A | 143TC |
| 27 | 64.29 | 2262 | 1.31 | 1591 | 6 3 . | | | |
| 23 | 73.95 | 2597 | 1.15 | 1618 | 7 1 . | | | |
| 21 | 80.4 | 2822 | 1.06 | 1618 | 8 0 . | | | |
| 18 | 96.52 | 3383 | 0.88 | 1571 | 1 0 0 | | | |
| 478 | 3.58 | 129 | 3.11 | 689 | M 0 5 1 2 3 . 6 _ _ - _ _ 1 . 0 B - - | 38.5 | 80A | 143TC |
| 434 | 3.94 | 143 | 2.9 | 685 | 4 . 0 | | | |
| 378 | 4.53 | 164 | 2.56 | 684 | 4 . 5 | | | |
| 347 | 4.93 | 178 | 2.4 | 683 | 5 . 0 | | | |
| 289 | 5.92 | 214 | 2.06 | 696 | 6 . 0 | | | |
| 241 | 7.1 | 256 | 1.72 | 696 | 7 . 1 | | | |
| 214 | 8 | 288 | 1.55 | 696 | 8 . 0 | | | |
| 53 | 32.19 | 1143 | 2.49 | 1544 | M 0 5 2 2 3 2 . _ _ - _ _ 1 . 0 B - - | 69.4 | 80A | 143TC |
| 49 | 35.25 | 1256 | 2.3 | 1571 | 3 6 . | | | |
| 40 | 43.2 | 1528 | 1.93 | 1524 | 4 5 . | | | |
| 36 | 48.15 | 1704 | 1.77 | 1579 | 5 0 . | | | |
| 32 | 54 | 1911 | 1.25 | 1601 | 5 6 . | | | |
| 29 | 58.38 | 2051 | 1.94 | 1438 | M 0 5 3 2 5 6 . _ _ - _ _ 1 . 0 B - - | 71.6 | 80A | 143TC |
| 27 | 64.29 | 2265 | 1.76 | 1363 | 6 3 . | | | |
| 23 | 73.95 | 2594 | 1.53 | 1403 | 7 1 . | | | |
| 21 | 80.4 | 2837 | 1.4 | 1313 | 8 0 . | | | |
| 18 | 96.52 | 3388 | 1.18 | 1459 | 1 0 0 | | | |
| 15 | 115.82 | 4058 | 0.98 | 1106 | 1 1 2 | | | |
| 13 | 130.5 | 4572 | 0.87 | 836 | 1 2 5 | | | |
| 219 | 7.83 | 283 | 3.69 | 899 | M 0 6 1 2 8 . 0 _ _ - _ _ 1 . 0 B - - | 49.6 | 80A | 143TC |
| 43 | 39.86 | 1417 | 3.91 | 1618 | M 0 6 2 2 3 6 . _ _ - _ _ 1 . 0 B - - | 80.4 | 80A | 143TC |
| 39 | 43.64 | 1552 | 3.57 | 1618 | 4 5 . | | | |
| 32 | 53.49 | 1899 | 2.41 | 1618 | 5 0 . | | | |
| 29 | 59.61 | 2113 | 1.97 | 1618 | 5 6 . | | | |
| 24 | 72.28 | 2543 | 2.11 | 1618 | M 0 6 3 2 6 3 . _ _ - _ _ 1 . 0 B - - | 82.6 | 80A | 143TC |
| 22 | 79.6 | 2807 | 1.88 | 1618 | 7 1 . | | | |
| 19 | 91.56 | 3226 | 1.69 | 1618 | 8 0 . | | | |
| 17 | 99.54 | 3490 | 1.59 | 1618 | 1 0 0 | | | |
| 14 | 119.5 | 4181 | 1.33 | 1618 | 1 1 2 | | | |
| 12 | 143.39 | 5027 | 1.1 | 1618 | 1 2 5 | | | |
| 11 | 161.57 | 5661 | 0.98 | 1618 | 1 6 0 | | | |
| 9.1 | 187.83 | 6588 | 0.84 | 1618 | 1 8 0 | | | |

**NOTE**

Other output speeds are available using 2, 6 and 8 pole motors - Consult Textron Power Transmission

## 1.0 HP

4 POLE

| N2 R/MIN | i | lb in | Fm | lbf | Unit Designation | lb | | |
|---|---|---|---|---|---|---|---|---|
| Output Speed | Ratio | Output Torque | Service Factor | Overhung Load | Column Entry 1 Through 20<br>Spaces to be filled when entering order | Weight of base mount unit | IEC Motor Size | NEMA Motor Size |
| 35 | 48.56 | 1717 | 3.61 | 2187 | M 0 7 2 2 5 0 . _ _ - _ _ 1 . 0 B - - | 95.9 | 80A | 143TC |
| 32 | 53.96 | 1902 | 2.77 | 2205 | 5 6 . | | | |
| 29 | 58.95 | 2070 | 3.04 | 2248 | M 0 7 3 2 5 6 . _ _ - _ _ 1 . 0 B - - | 106.9 | 80A | 143TC |
| 27 | 62.83 | 2207 | 2.9 | 2171 | 6 3 . | | | |
| 23 | 74.47 | 2619 | 2.58 | 2115 | 7 1 . | | | |
| 22 | 79.51 | 2791 | 2.48 | 2091 | 8 0 . | | | |
| 17 | 98.66 | 3459 | 2.15 | 2085 | 1 0 0 | | | |
| 15 | 116.34 | 4095 | 1.88 | 1983 | 1 1 2 | | | |
| 13 | 127.39 | 4470 | 1.72 | 1920 | 1 2 5 | | | |
| 11 | 156.12 | 5472 | 1.4 | 1804 | 1 6 0 | | | |
| 10 | 174.01 | 6087 | 1.26 | 1677 | 1 8 0 | | | |
| 8.8 | 195.15 | 6817 | 1.13 | 1480 | 2 0 0 | | | |
| 7.5 | 229 | 7862 | 0.98 | 1051 | M 0 7 4 2 2 2 5 _ _ - _ _ 1 . 0 B - - | 126.7 | 80A | 143TC |
| 6.6 | 259.68 | 8892 | 0.86 | 1051 | 2 5 0 | | | |
| 14 | 119.19 | 4170 | 3.61 | 4496 | M 0 8 3 2 1 1 2 _ _ - _ _ 1 . 0 B - - | 168.6 | 80A | 143TC |
| 13 | 130.92 | 4587 | 3.28 | 4496 | 1 2 5 | | | |
| 11 | 160.45 | 5622 | 2.68 | 4286 | 1 6 0 | | | |
| 10 | 175.21 | 6133 | 2.45 | 4223 | 1 8 0 | | | |
| 8.5 | 201.75 | 7036 | 2.14 | 4339 | 2 0 0 | | | |
| 7.5 | 228.91 | 7834 | 1.54 | 4252 | M 0 8 4 2 2 2 5 _ _ - _ _ 1 . 0 B - - | 232.5 | 80A | 143TC |
| 6.6 | 258.98 | 8851 | 1.46 | 4017 | 2 5 0 | | | |
| 5.7 | 301.21 | 10296 | 1.26 | 4017 | 2 8 0 | | | |
| 5.1 | 337.01 | 11508 | 1.13 | 4017 | 3 0 0 | | | |
| 4.8 | 359.19 | 12280 | 1.05 | 4017 | 3 6 0 | | | |
| 4 | 425.69 | 14551 | 0.89 | 4017 | 4 0 0 | | | |
| 3.6 | 480.51 | 16398 | 0.83 | 3775 | 4 5 0 | | | |
| 11 | 160.29 | 5610 | 3.9 | 6654 | M 0 9 3 1 1 6 0 _ _ - _ _ 1 . 0 B - - | 281 | 80A | 143TC |
| 7.4 | 231.06 | 8005 | 2.92 | 5780 | M 0 9 4 1 2 2 5 _ _ - _ _ 1 . 0 B - - | 329.5 | 80A | 143TC |
| 6.6 | 258.09 | 8929 | 2.83 | 5609 | 2 5 0 | | | |
| 5.7 | 300.18 | 10383 | 2.44 | 5609 | 2 8 0 | | | |
| 5.1 | 335.85 | 11601 | 2.18 | 5609 | 3 0 0 | | | |
| 4.8 | 357.95 | 12376 | 2.04 | 5609 | 3 6 0 | | | |
| 4 | 424.23 | 14657 | 1.73 | 5609 | 4 0 0 | | | |
| 3.6 | 471.32 | 16261 | 1.56 | 5609 | 4 5 0 | | | |
| 3.4 | 503.22 | 17357 | 1.46 | 5609 | 5 0 0 | | | |
| 2.7 | 624.45 | 21514 | 1.18 | 5609 | 6 5 0 | | | |
| 2.3 | 736.35 | 25339 | 1 | 5609 | 7 3 0 | | | |
| 1.9 | 882.06 | 30237 | 0.84 | 5609 | 8 6 0 | | | |
| 5.4 | 315.65 | 10851 | 3.6 | 9347 | M 1 0 4 1 3 0 0 _ _ - _ _ 1 . 0 B - - | 466.2 | 80A | 143TC |
| 4.9 | 348.16 | 11977 | 3.26 | 9347 | 3 6 0 | | | |
| 4.3 | 398.71 | 13712 | 2.85 | 9347 | 4 0 0 | | | |
| 3.9 | 443.06 | 15214 | 2.57 | 9347 | 4 5 0 | | | |
| 3.4 | 500.94 | 17192 | 2.27 | 9347 | 5 0 0 | | | |
| 2.9 | 580.78 | 19918 | 1.96 | 9347 | 6 5 0 | | | |
| 2.5 | 692.72 | 23732 | 1.65 | 9347 | 7 3 0 | | | |
| 2.1 | 828.21 | 28278 | 1.38 | 9347 | 8 6 0 | | | |
| 1.7 | 987.84 | 33706 | 1.16 | 9347 | 1 0 C | | | |
| 1.5 | 1138.21 | 38736 | 1.01 | 9347 | 1 1 C | | | |
| 1.4 | 1246.47 | 42401 | 0.92 | 9347 | 1 3 C | | | |
| 4.2 | 410.95 | 14100 | 3.99 | 14529 | M 1 3 4 1 4 0 0 _ _ - _ _ 1 . 0 B - - | 629.4 | 80A | 143TC |
| 3.7 | 463.22 | 15883 | 3.54 | 14529 | 4 5 0 | | | |
| 3.3 | 523.74 | 17947 | 3.13 | 14529 | 5 0 0 | | | |
| 2.8 | 607.22 | 20790 | 2.7 | 14529 | 6 5 0 | | | |
| 2.4 | 724.25 | 24768 | 2.27 | 14529 | 7 3 0 | | | |
| 2 | 858.69 | 29190 | 1.93 | 14529 | 8 6 0 | | | |
| 1.7 | 1024.19 | 34784 | 1.62 | 14529 | 1 0 C | | | |
| 1.5 | 1140.7 | 38659 | 1.45 | 14529 | 1 1 C | | | |
| 1.4 | 1249.19 | 42311 | 1.33 | 14529 | 1 3 C | | | |
| 1.1 | 1528.11 | 51576 | 1.11 | 14543 | 1 5 C | | | |
| 0.93 | 1833.73 | 61789 | 0.93 | 14543 | 1 8 C | | | |
| 0.81 | 2109.78 | 71051 | 0.81 | 14543 | 2 0 C | | | |
| 2.2 | 770.01 | 26337 | 3.62 | 18122 | M 1 4 4 1 7 3 0 _ _ - _ _ 1 . 0 B - - | 885.1 | 80A | 143TC |
| 2.1 | 801.52 | 27334 | 3.45 | 18122 | 8 6 0 | | | |
| 1.8 | 929.27 | 31664 | 2.98 | 18122 | 1 0 C | | | |
| 1.5 | 1108.37 | 37724 | 2.5 | 18122 | 1 1 C | | | |
| 1.4 | 1213.79 | 41280 | 2.28 | 18122 | 1 3 C | | | |
| 1.1 | 1502.21 | 50947 | 1.76 | 18144 | 1 5 C | | | |
| 0.95 | 1802.65 | 61016 | 1.47 | 18144 | 1 8 C | | | |
| 0.83 | 2074.02 | 70145 | 1.28 | 18144 | 2 0 C | | | |
| 0.74 | 2304.47 | 77821 | 1.15 | 18144 | 2 4 C | | | |
| 0.6 | 2844.21 | 95957 | 0.86 | 18144 | 2 7 C | | | |
| 0.62 | 2743.72 | 91760 | 1.03 | 18122 | M 1 4 5 1 2 7 C _ _ - _ _ 1 . 0 B - - | 896.1 | 80A | 143TC |
| 0.5 | 3404.7 | 113748 | 0.83 | 18122 | 3 2 C | | | |

**NOTE**

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