



3-Phase Totally Enclosed Nonventilated and Totally Enclosed Fan-Cooled Rigid Base Motors

- Rotation: CW/CCW
- Thermal protection: none
- Voltage: 230/460
- Insulation: Class F motors have Class B temperature rise for longer life
- Inverter rated
- Bearings: ball
- Max. ambient temp.: 40°C
- Usable at 208V
- Warranty: 48, 56, and 143-5T/56HZ frame 1 yr.; 140T frame and above 3 yr.

143-5T/56HZ frame motors have 7/8" x 2 1/4" shaft and mounting base holes/slots to match 56, 56H, 143T, and 145T frame motors. Not for cooling tower applications. Suitable for dusty, dirty, nonhazardous applications with pumps, ventilation equipment, machine tools, and other industrial equipment. All are UL Recognized and CSA Certified.

| HP | Nameplate RPM | Frame | Full Load Amps | Service Factor | Ins. Class | Nom. Efficiency | Frame Material | Overall Length | Item No. |
|---|---------------|-------------|----------------|----------------|------------|-----------------|----------------|----------------|-----------|
| Totally Enclosed Nonventilated, NEMA Premium Efficient | | | | | | | | | |
| 1 | 1750 | 56H | 3.1-3.0/1.5 | 1.25 | F | 85.5% | Roller Steel | 11 1/8" | 48ZJ83 *† |
| Totally Enclosed Nonventilated, Premium Efficient | | | | | | | | | |
| 1/4 | 1725 | 48 | 1.2-1.2/0.60 | 1.00 | B | 69.7% | Roller Steel | 9 1/4" | 3N349 * |
| | 3450 | 48 | 1.2-1.1/0.60 | 1.15 | B | 72.0% | Roller Steel | 9 1/4" | 3N854 * |
| 1/8 | 1725 | 48 | 1.3-1.3/0.70 | 1.00 | B | 72.0% | Roller Steel | 10 1/8" | 3N350 * |
| | 1765 | 56 | 1.4-1.5/0.70 | 1.00 | F | 72.0% | Roller Steel | 10 3/8" | 3N694 * |
| 1/2 | 1755 | 56 | 1.9/1.8-1.0 | 1.15 | F | 78.5% | Roller Steel | 10 3/8" | 3N695 * |
| 3/4 | 1725 | 56 | 2.9-2.8/1.4 | 1.15 | B | 81.1% | Roller Steel | 11 1/8" | 3N696 * |
| Totally Enclosed Fan-Cooled, NEMA Premium Efficient | | | | | | | | | |
| 1 | 3475 | 143T | 2.8/1.4 | 1.15 | F | 80.0% | Cast Iron | 12 5/8" | 2MXT3 |
| | 1755 | 56H | 3.0/1.5 | 1.25 | F | 85.5% | Roller Steel | 12 5/8" | 48ZJ84 *† |
| | 1745 | 143T | 2.7/1.4 | 1.15 | F | 85.5% | Cast Iron | 12 5/8" | 2MXT4 |
| | 1755 | 143-5T/56HZ | 3.1-3.0/1.5 | 1.25 | F | 85.5% | Roller Steel | 13" | 2NMX4 * |
| | 1760 | 182/4 | 3.4/1.7 | 1.15 | F | 85.5% | Steel | 15 1/4" | 2N933 *† |
| | 1155 | 56H | 3.5/1.8 | 1.25 | F | 82.5% | Roller Steel | 12 5/8" | 48ZJ85 *† |
| | 1155 | 143-5T/56HZ | 3.8/1.9 | 1.25 | F | 82.5% | Roller Steel | 13" | 2NMX6 * |
| | 1160 | 145T | 3.2/1.6 | 1.15 | F | 82.5% | Cast Iron | 13 3/8" | 2MXT5 |
| | 1170 | 182/4 | 3.2/1.6 | 1.15 | F | 82.5% | Roller Steel | 15 1/8" | 36VE88 *† |
| | 3465 | 56H | 3.9/1.9 | 1.15 | B | 84.0% | Roller Steel | 12 5/8" | 48ZJ86 *† |
| 1 1/2 | 3485 | 143T | 3.9/1.9 | 1.15 | F | 84.0% | Cast Iron | 12 5/8" | 2MXT6 |
| | 3515 | 143-5T/56HZ | 4.0/2.0 | 1.25 | F | 84.0% | Steel | 13" | 2NMX5 * |
| | 3455 | 182/4 | 3.9/1.9 | 1.15 | F | 84.0% | Steel | 15 1/4" | 2N946 *† |
| | 1730 | 56H | 4.1/2.0 | 1.15 | F | 86.5% | Steel | 13 1/8" | 6VPF0 *† |
| | 1755 | 56H | 4.3/2.1 | 1.25 | F | 86.5% | Roller Steel | 12 5/8" | 48ZJ88 * |
| | 1755 | 143-5T/56HZ | 4.8/2.4 | 1.25 | F | 86.5% | Roller Steel | 13" | 2NMX8 * |
| | 1740 | 145T | 4.0/2.0 | 1.15 | F | 86.5% | Cast Iron | 13 3/8" | 2MXT7 |
| | 1765 | 182/4 | 4.4/2.2 | 1.15 | F | 84.0% | Roller Steel | 15 7/8" | 36VF24 *† |
| | 1170 | 182/4 | 4.5/2.2 | 1.15 | F | 85.5% | Roller Steel | 16 3/8" | 36VE89 *† |
| | 1170 | 182/4T | 5.8/2.9 | 1.15 | F | 87.5% | Steel | 16 3/8" | 4GY7 *† |
| 2 | 1180 | 182T | 4.7/2.4 | 1.15 | F | 86.5% | Cast Iron | 14 1/8" | 2MXT8 |
| | 3505 | 56H | 5.0/2.5 | 1.25 | F | 85.5% | Roller Steel | 12 5/8" | 48ZJ89 *† |
| | 3505 | 143-5T/56HZ | 4.8/2.4 | 1.25 | F | 85.5% | Roller Steel | 12 3/4" | 2NMX1 * |
| | 3480 | 145T | 5.0/2.5 | 1.15 | F | 85.5% | Cast Iron | 13 3/8" | 2MXT9 |
| | 3510 | 182/4 | 5.4/2.7 | 1.15 | F | 84.0% | Roller Steel | 15 5/8" | 36VF26 *† |
| | 1745 | 56H | 5.4/2.7 | 1.15 | F | 86.5% | Roller Steel | 13 3/8" | 36VF93 *† |
| | 1750 | 56H | 5.7/2.8 | 1.25 | F | 86.5% | Roller Steel | 12 5/8" | 48ZJ90 *† |
| | 1750 | 143-5T/56HZ | 5.8/2.9 | 1.25 | F | 86.5% | Roller Steel | 12 3/4" | 2NMX3 * |
| | 1730 | 145T | 5.0/2.5 | 1.15 | F | 86.5% | Cast Iron | 13 3/8" | 2MXX1 * |
| | 1765 | 182/4 | 6.0/3.0 | 1.15 | F | 84.0% | Roller Steel | 15 5/8" | 36VF25 *† |
| 3 | 1165 | 182/4T | 6.6/3.3 | 1.15 | F | 88.5% | Steel | 16 3/8" | 4GY8 * |
| | 1180 | 184T | 6.1/3.1 | 1.15 | F | 88.5% | Cast Iron | 15 3/4" | 2MXX2 |
| | 1175 | 213/5 | 6.3/3.1 | 1.15 | F | 88.5% | Steel | 19 1/4" | 2N943 *† |
| | 3510 | 143-5T/56HZ | 7.2/3.6 | 1.25 | F | 86.5% | Roller Steel | 13" | 41D774 *† |
| | 3510 | 182/4 | 7.6/3.8 | 1.15 | F | 85.5% | Roller Steel | 15 5/8" | 36VF27 *† |
| | 3500 | 182T | 7.4/3.7 | 1.15 | F | 86.5% | Cast Iron | 14 1/8" | 2MXX3 * |
| | 3540 | 182T/4T | 7.8/3.9 | 1.15 | F | 87.5% | Roller Steel | 14 1/8" | 2NMX7 * |
| | 1765 | 182/4T | 7.6/3.8 | 1.15 | F | 89.5% | Roller Steel | 17 1/8" | 36VF28 *† |
| | 1760 | 182T | 7.6/3.8 | 1.15 | F | 89.5% | Cast Iron | 14 1/8" | 2MXX4 * |
| | 1770 | 213/5 | 7.8/3.9 | 1.15 | F | 87.5% | Roller Steel | 18 1/8" | 36VE86 *† |
| 5 | 1170 | 213/5 | 8.9/4.5 | 1.15 | F | 89.5% | Steel | 19 1/4" | 2N944 *† |
| | 1175 | 213/5T | 8.3/4.1 | 1.15 | F | 89.5% | Roller Steel | 19 3/8" | 36VF29 *† |
| | 1180 | 213T | 8.4/4.3 | 1.15 | F | 89.5% | Cast Iron | 18" | 2MXX5 |
| | 3500 | 182/4T | 11.8/5.9 | 1.15 | F | 89.5% | Roller Steel | 17 1/8" | 36VF04 *† |
| | 3500 | 184T | 12/6.0 | 1.15 | F | 88.5% | Cast Iron | 16 3/8" | 2MXX6 |
| | 3485 | 213/5 | 12.4/6.2 | 1.15 | F | 88.5% | Steel | 19 1/4" | 2N949 *† |
| | 1750 | 182/4T | 13.0/6.4 | 1.15 | F | 89.5% | Roller Steel | 17 1/8" | 36VF05 *† |
| | 1750 | 184T | 12.4/6.2 | 1.15 | F | 89.5% | Cast Iron | 15 3/4" | 2MXX7 |
| | 1770 | 213/5 | 12.4/6.2 | 1.15 | F | 87.5% | Roller Steel | 18 1/8" | 36VE87 *† |
| | 1175 | 213/5T | 13.4/6.7 | 1.15 | F | 89.5% | Roller Steel | 20 1/8" | 36VF30 *† |
| 7 1/2 | 1175 | 215T | 13.8/6.9 | 1.15 | F | 89.5% | Cast Iron | 19 1/2" | 2MXX8 |
| | 3540 | 213/5T | 17.6/8.8 | 1.15 | F | 90.2% | Roller Steel | 20 1/2" | 36VF31 *† |
| | 3510 | 213T | 17.8/8.9 | 1.15 | F | 89.5% | Cast Iron | 18" | 2MXX9 |
| | 1770 | 213/5T | 18.1/9.0 | 1.15 | F | 91.7% | Roller Steel | 18 1/8" | 36VF32 *† |
| | 1770 | 213T | 19.6/9.8 | 1.15 | F | 91.7% | Cast Iron | 18" | 2MXX1 |
| | 1770 | 254/6U | 18.4/9.2 | 1.15 | F | 91.7% | Steel | 23 1/8" | 2N938 *† |
| | 1165 | 254T | 20.9/10.4 | 1.15 | F | 91.0% | Cast Iron | 23 1/8" | 2MXX2 |

* 60/50 Hz. † Usable at 200V at 1.0 SF.



No. 48ZJ83



No. 3N350



No. 2MXT3



No. 36VE89

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