



COMPRESSOR DUTY MOTORS

COMPRESSOR, PUMP AND FAN & BLOWER DUTY

COMPRESSOR DUTY



General Specifications:

Motors designed for air compressor, pump, and fan and blower duty applications which require high breakdown torque and rugged mechanical construction.

Mechanical Features:

Prelubricated double shielded, amply sized, ball bearing construction to accommodate varying belt loads and tension.

Electrical Features:

High efficiency energy saving designs. Class "F" copper windings. Class "F" varnish. High starting and breakdown torque. Single phase motors are wired for CW rotation facing lead end. They may be reconnected for CCW rotation. The compressor motors shown here are the ratings most common to this application. For additional motors of different HP, RPM, etc., see pages 8-13. All 180 and 210 frame Rolled Steel motors have Class F Insulation.

SINGLE PHASE • DRIP-PROOF • RIGID BASE

| HP | RPM 60 Hz | NEMA Frame | Catalog Number | Disc. Sym. | App. Wgt. (lbs.) | Voltage | Over- load Prot. | F.L. Amps 230V | "C" Dim. (Inches) |
|------|-----------------|---------------|-------------------|---------------|------------------------|-------------|------------------------|----------------------|-------------------------|
| 1 | 3450 | 56 | 110160 | A | 27 | 115/230 | Man. | 6.7 | 11.38 |
| | 1725 | 143T | 120044 | B | 38 | 115/208-230 | None | 6.4 | 11.28 |
| | 1725 | 143T | 120003 | B | 33 | 115/208-230 | Man. | 6.4 | 11.13 |
| 1½ | 3450 | 56 | 110161 | A | 33 | 115/230 | Man. | 10.0 | 11.88 |
| | 1725 | 145T | 120042☆ | B | 38 | 115/208-230 | None | 8.6 | 12.28 |
| | 1725 | 145T | 120004☆ | B | 40 | 115/208-230 | Man. | 8.6 | 12.28 |
| 2 | 3450 | 56 | 110232 | A | 33 | 115/230 | Man. | 11.0 | 11.88 |
| | 1725 | 182T | 131515 | B | 56 | 115/208-230 | None | 12.4 | 13.19 |
| | 1725 | 182T | 131536 | B | 63 | 115/208-230 | Man. | 8.8 | 10.66 |
| 3 | 3450 | 56Y | 110222⊗† | A | 38 | 230 | Man. | 15.0 | 12.38 |
| | 1725 | 184T | 131534 | B | 69 | 115/230 | None | 16.9 | 14.19 |
| 5SPL | 3450 | 56 | 116523☆ | A | 35 | 208-230 | Man. | 15.0 | 11.44 |
| 5 | 3450 | 56Y | 111275☆⊗† | A | 44 | 230 | Man. | 20.8 | 13.34 |
| | 3450 | 56Y | 116789☆†‡ | A | 45 | 230 | Man. | 20.8 | 12.38 |
| | 3450 | 145T | 120554☆† | B | 46 | 230 | Man. | 20.8 | 13.12 |
| | 1725 | 184T | 131537☆ | B | 83 | 230 | None | 21.0 | 14.69 |
| 7½ | 1725 | 184T | 131622☆ | B | 82 | 230 | Man. | 21.0 | 14.69 |
| | 3450 | 184T | 132044☆ | B | 110 | 208-230 | Tstat | 31.0 | 16.69 |
| | 3450 | 213T | 140680☆ | B | 112 | 208-230 | None | 29.5 | 16.55 |
| 10 | 1740 | 215T | 140155☆ | B | 113 | 230 | None | 36.0 | 17.26 |
| | 3450 | 215T | 140681☆ | B | 135 | 208-230 | None | 37.0 | 18.05 |
| 10 | 1725 | 215TZ | 140311☆✓ | B | 140 | 230 | None | 43.0 | 19.76 |

THREE PHASE • DRIP-PROOF • RIGID BASE

| HP | RPM 60 Hz | NEMA Frame | Catalog Number | Disc. Sym. | App. Wgt. (lbs.) | Voltage | F.L. Amps 230V | % F.L. Eff. | "C" Dim. (Inches) |
|----|-----------------|---------------|-------------------|---------------|------------------------|-------------|----------------------|-------------------|-------------------------|
| 1 | 1725 | 143T | G120010 | B | 30 | 208-230/460 | 3.1 | 82.5 | 11.28 |
| 1½ | 1725 | 145T | G120011 | B | 37 | 208-230/460 | 4.4 | 84.0 | 12.13 |
| 2 | 1725 | 145T | G120012 | B | 45 | 208-230/460 | 6.0 | 84.0 | 12.12 |
| 3 | 1740 | 182T | G130000 | B | 57 | 208-230/460 | 8.4 | 86.5 | 12.69 |
| 5 | 1740 | 184T | G130004 | B | 69 | 208-230/460 | 13.2 | 87.5 | 13.69 |
| 7½ | 1740 | 213T | G140471 | B | 144 | 208-230/460 | 20.0 | 88.5 | 15.25 |
| 10 | 1740 | 215T | G140490 | B | 132 | 208-230/460 | 28.0 | 89.5 | 16.75 |
| 20 | 1750 | 256T | G150006† | C | 307 | 208-230/460 | 48.0 | 91.7 | 22.60 |

THREE PHASE • TEFC • RIGID BASE

| HP | RPM 60 Hz | NEMA Frame | Catalog Number | Disc. Sym. | App. Wgt. (lbs.) | Voltage | F.L. Amps 230V | % F.L. Eff. | "C" Dim. (Inches) |
|----|-----------------|---------------|-------------------|---------------|------------------------|-------------|----------------------|-------------------|-------------------------|
| 3 | 1740 | 182T | G130008 | B | 68 | 230/460 | 8.2 | 87.5 | 13.96 |
| 5 | 1740 | 182T | G130027 | B | 80 | 230/460 | 13.0 | 87.5 | 14.96 |
| 7½ | 1740 | 213T | G140578 | B | 144 | 208-230/460 | 20.4 | 89.5 | 17.71 |
| 10 | 1740 | 215T | G140489 | B | 167 | 208-230/460 | 26.0 | 89.5 | 18.71 |
| 15 | 1750 | 254T | G150066† | C | 277 | 208-230/460 | 36.6 | 91.0 | 23.19 |
| 20 | 1750 | 256T | G150007† | C | 321 | 208-230/460 | 48.2 | 91.0 | 24.92 |

- ☆ Capacitor start/capacitor run design for reduced amperage, others are capacitor start/induction run.
- † Class F insulated.
- ✓ Motor with standard diameter shaft, 1.0" longer than standard.
- ⊗ Special BA dimension 2.31" for belt guard clearance.
- ‡ Motor has mounting base with 182-4T mounting holes, shaft height is 4.5". Shaft is std. NEMA 56 - 5/8" dia. x 1 7/8" long.

SHADED FRAME INDICATES CAST IRON CONSTRUCTION

Catalog numbers in green are EPACT motors.