

CAST IRON THREE PHASE MOTORS

150 & 170 SERIES • RIGID BASE • GENERAL PURPOSE



For reliable performance in heavy-duty industrial applications, nothing beats the LEESON Heavyweights. With their cast iron construction and 1.15 Service Factor, they are ideal for "tough to handle" applications.

But that's only part of the story. LEESON 150 and 170-series cast iron motors are extremely versatile and can be field converted in minutes to a number of different configurations, including:

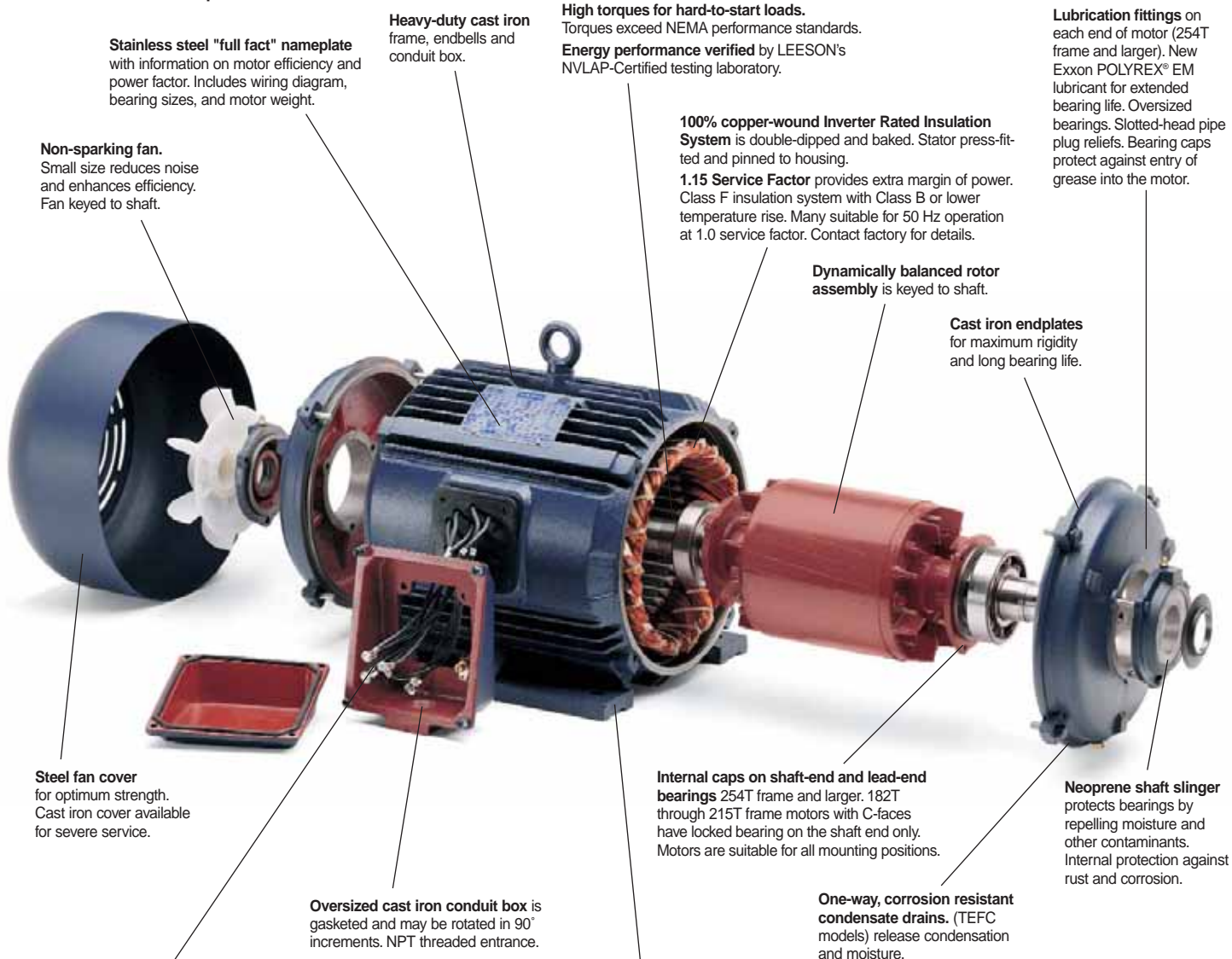
- Severe Duty TEFC (using cast iron fan guard kit)
- F2 mounting (by reassembly)
- C face with rigid base (from stock or using C face kit)
- D flange with base (using D flange kit)

CSA certified under report number LR62104
 CSA Energy Efficiency Verification report number EEV78720-1

UL recognized insulation system, file number E55555 and UL recognized construction, file number E57948 on all cast iron motors produced in June 2003 and later.

LEESON's Inverter Rated Insulation System (IRIS™)

provides superior motor protection against voltage spikes induced by variable frequency drives. This *total insulation system* protects better than spike-resistant magnet wire alone. Specially formed phase insulation, cushioned and sleeved connections (from the leads all the way into the turns), and deep-penetrating, non-hygroscopic, high temperature varnish are just a few features contributing to the extra protection. All this plus second generation, spike-resistant magnet wire. The IRIS™ *total insulation system* is standard at no extra cost in all LEESON stock NEMA three-phase motors, 1 HP and larger.



Stainless steel "full fact" nameplate with information on motor efficiency and power factor. Includes wiring diagram, bearing sizes, and motor weight.

Heavy-duty cast iron frame, endbells and conduit box.

High torques for hard-to-start loads. Torques exceed NEMA performance standards. **Energy performance verified** by LEESON's NVLAP-Certified testing laboratory.

Lubrication fittings on each end of motor (254T frame and larger). New Exxon POLYREX® EM lubricant for extended bearing life. Oversized bearings. Slotted-head pipe plug reliefs. Bearing caps protect against entry of grease into the motor.

Non-sparking fan. Small size reduces noise and enhances efficiency. Fan keyed to shaft.

100% copper-wound Inverter Rated Insulation System is double-dipped and baked. Stator press-fitted and pinned to housing. **1.15 Service Factor** provides extra margin of power. Class F insulation system with Class B or lower temperature rise. Many suitable for 50 Hz operation at 1.0 service factor. Contact factory for details.

Dynamically balanced rotor assembly is keyed to shaft.

Cast iron endplates for maximum rigidity and long bearing life.

Steel fan cover for optimum strength. Cast iron cover available for severe service.

Internal caps on shaft-end and lead-end bearings 254T frame and larger. 182T through 215T frame motors with C-faces have locked bearing on the shaft end only. Motors are suitable for all mounting positions.

Neoprene shaft slinger protects bearings by repelling moisture and other contaminants. Internal protection against rust and corrosion.

Oversized cast iron conduit box is gasketed and may be rotated in 90° increments. NPT threaded entrance.

One-way, corrosion resistant condensate drains. (TEFC models) release condensation and moisture.

12-Lead Delta windings (254T to 405T frame and larger) for across-the-line or wye delta starts. (182T & 215T frame motors are dual voltage with nine leads. Motors above 405T frame are single voltage with six leads. 575V motors have six leads, except 213T-215T which have three leads) Permanently marked leads with lugs for easy connection. Normally-closed thermostat standard on WATTS-AVER® designs.

Cast iron mounting feet. Precision-machined for accurate alignment. Dual mounting provisions (six mounting holes) on 184T, 215T, 256T, 286T, 326T, 365T and 405T frames.





DRIP-PROOF

| HP | RPM 60 Hz | NEMA Frame | Catalog Number | List Price | Disc. Sym. | App. Wgt. (lbs.) | Voltage | F.L. Amps 230V | % F.L. Eff. | "C" Dim. (Inches) |
|------|-----------------|---------------|-------------------|----------------|---------------|------------------------|-------------|----------------------|-------------------|-------------------------|
| 3 | 3510 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 1760 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 1760 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 1170 | 213T | 171574 | \$603 | C | 159 | 208-230/460 | 10.0 | 88.5 | 16.38 |
| 5 | 3500 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 1760 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 1760 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 1170 | 215T | 171575 | 764 | C | 185 | 208-230/460 | 15.0 | 90.2 | 16.38 |
| 850 | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| 7½ | 3510 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 3510 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 1750 | 213T | G150142 | 502 | C | 147 | 208-230/460 | 19.6 | 88.5 | 16.38 |
| | 1760 | 213T | 170142 [W] | 605 | C | 160 | 208-230/460 | 19.8 | 91.0 | 16.38 |
| | 1170 | 254T | G150145 | 780 | C | 240 | 208-230/460 | 20.2 | 88.5 | 20.94 |
| | 1170 | 254T | 170145 | 955 | C | 281 | 208-230/460 | 22.4 | 92.4 | 20.94 |
| 850 | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| 10 | 3510 | 213T | G150143 | 620 | C | 168 | 208-230/460 | 24.0 | 88.5 | 16.38 |
| | 3510 | 213T | 170143 [W] | 692 | C | 150 | 208-230/460 | 23.6 | 91.0 | 16.38 |
| | 1750 | 215T | G150144 | 635 | C | 168 | 208-230/460 | 25.0 | 89.5 | 17.87 |
| | 1760 | 215T | 170144 [W] | 715 | C | 200 | 208-230/460 | 25.6 | 91.7 | 17.87 |
| | 1170 | 256T | G150146 | 1009 | C | 268 | 208-230/460 | 27.0 | 90.2 | 22.60 |
| | 1170 | 256T | 170146 | 1191 | C | 305 | 208-230/460 | 29.6 | 91.7 | 22.60 |
| | 850 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 850 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 15 | 3450 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 3510 | 215T | G150064 | 835 | C | 173 | 208-230/460 | 35.0 | 89.5 | 17.87 |
| | 3510 | 215T | 170064 [W] | 927 | C | 175 | 208-230/460 | 34.6 | 91.0 | 17.87 |
| | 3525 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 3525 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 1770 | 254T | G150065 | 867 | C | 265 | 208-230/460 | 37.6 | 91.0 | 20.94 |
| | 1770 | 254T | 170065 [W] | 951 | C | 279 | 208-230/460 | 37.0 | 93.0 | 20.94 |
| | 1170 | 284T | G150067 | 1323 | C | 365 | 208-230/460 | 41.0 | 90.2 | 23.54 |
| | 1170 | 284T | 170067 | 1568 | C | 414 | 208-230/460 | 39.4 | 92.4 | 23.54 |
| | 850 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 850 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 20 | 3525 | 254T | G150032 | 1021 | C | 258 | 208-230/460 | 46.6 | 90.2 |
| 3525 | | 254T | 170032 [W] | 1166 | C | 275 | 208-230/460 | 46.0 | 93.0 | 20.94 |
| 1750 | | 256T | G150006 | 1098 | C | 307 | 208-230/460 | 48.0 | 92.0 | 22.60 |
| 1770 | | 256T | 170006 [W] | 1161 | C | 324 | 208-230/460 | 51.0 | 93.0 | 22.60 |
| 1170 | | 286T | G150000 | 1623 | C | 385 | 208-230/460 | 53.0 | 90.2 | 25.00 |
| 1170 | | 286T | 170000 | 1911 | C | 457 | 208-230/460 | 55.0 | 92.4 | 25.00 |
| 850 | | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 850 | | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 850 | | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 850 | | ... | ... | ... | ... | ... | ... | ... | ... | ... |

TOTALLY ENCLOSED FAN COOLED (TEFC)

| NEMA Frame | Catalog Number | List Price | Disc. Sym. | App. Wgt. (lbs.) | Voltage | F.L. Amps 230V | % F.L. Eff. | "C" Dim. (Inches) |
|---------------|-------------------|---------------|---------------|------------------------|-------------|----------------------|-------------------|-------------------------|
| 182T | G151563 | \$457 | C | 93 | 208-230/460 | 7.4 | 85.5 | 16.14 |
| 182T | 171320 [W] | 521 | C | 104 | 208-230/460 | 7.8 | 89.5 | 15.89 |
| 182T | G151320 | 445 | C | 94 | 208-230/460 | 8.5 | 87.5 | 15.89 |
| 213T | 171378 | 736 | C | 170 | 208-230/460 | 9.4 | 89.5 | 18.19 |
| 184T | G150299 | 462 | C | 100 | 208-230/460 | 12.0 | 87.5 | 16.80 |
| 184T | 171322 [W] | 540 | C | 109 | 208-230/460 | 12.8 | 89.5 | 15.89 |
| 184T | G151322 | 473 | C | 101 | 208-230/460 | 13.8 | 87.5 | 15.89 |
| 215T | 171379 | 821 | C | 176 | 208-230/460 | 14.4 | 89.5 | 19.61 |
| 254T | 151355 | 1858 | C | 188 | 208-230/460 | 14.4 | 88.3 | 23.23 |
| 213T | 170158 [W] | 751 | C | 147 | 208-230/460 | 18.0 | 91.0 | 18.19 |
| 213T | G150158 | 609 | C | 150 | 208-230/460 | 17.8 | 88.5 | 18.20 |
| 213T | G150157 | 549 | C | 153 | 208-230/460 | 19.2 | 89.5 | 18.19 |
| 213T | 170157 [W] | 724 | C | 155 | 208-230/460 | 18.6 | 91.7 | 18.19 |
| 254T | G150122 | 986 | C | 250 | 208-230/460 | 20.0 | 89.5 | 23.19 |
| 254T | 170122 [W] | 1070 | C | 249 | 208-230/460 | 22.2 | 91.7 | 23.19 |
| 256T | 151356 | 2050 | C | 300 | 208-230/460 | 20.0 | 87.7 | 24.96 |
| 215T | G150159 | 708 | C | 167 | 208-230/460 | 23.6 | 89.5 | 19.61 |
| 215T | 170159 [W] | 890 | C | 181 | 208-230/460 | 23.0 | 91.7 | 19.61 |
| 215T | G150140 | 682 | C | 176 | 208-230/460 | 25.2 | 89.5 | 19.61 |
| 215T | 170140 [W] | 863 | C | 177 | 208-230/460 | 25.0 | 91.7 | 19.61 |
| 256T | G150123 | 1231 | C | 277 | 208-230/460 | 26.2 | 89.5 | 24.92 |
| 256T | 170123 [W] | 1531 | C | 300 | 208-230/460 | 29.0 | 91.7 | 24.92 |
| 284T | 150282 | 2382 | C | 346 | 208-230/460 | 26.0 | 88.8 | 26.26 |
| 215T | G151317 | 948 | C | 168 | 208-230/460 | 35.0 | 89.2 | 19.61 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 254T | G150062 | 949 | C | 260 | 208-230/460 | 35.0 | 90.2 | 23.19 |
| 254T | 170062 [W] | 1209 | C | 282 | 208-230/460 | 35.0 | 92.4 | 23.19 |
| 254T | G150066 | 976 | C | 284 | 208-230/460 | 37.0 | 91.0 | 23.19 |
| 254T | 170066 [W] | 1170 | C | 280 | 208-230/460 | 36.0 | 92.4 | 23.19 |
| 284T | G150068 | 1696 | C | 359 | 208-230/460 | 40.4 | 90.2 | 26.26 |
| 284T | 170068 [W] | 2072 | C | 333 | 208-230/460 | 40.6 | 92.4 | 26.26 |
| 286T | 150261 | 3110 | C | 480 | 208-230/460 | 40.0 | 91.0 | 27.83 |
| 256T | G150033 | 1289 | C | 296 | 208-230/460 | 46.2 | 90.2 | 24.92 |
| 256T | 170033 [W] | 1477 | C | 316 | 208-230/460 | 46.0 | 92.4 | 24.92 |
| 256T | G150007 | 1201 | C | 321 | 208-230/460 | 48.2 | 91.0 | 24.92 |
| 256T | 170007 [W] | 1462 | C | 322 | 208-230/460 | 49.0 | 93.0 | 24.92 |
| 286T | G150001 | 2027 | C | 408 | 208-230/460 | 52.6 | 90.2 | 27.83 |
| 286T | 170001 [W] | 2591 | C | 392 | 208-230/460 | 54.0 | 91.7 | 27.83 |
| 324T | 150263 | 3738 | C | 640 | 208-230/460 | 54.0 | 91.0 | 29.53 |

All 150 & 170 Series motors on pages 12-14 have a 1.15 Service Factor, Class F insulation.

NOTE: 150 and 170 Series Drip-Proof and TEFC motors in NEMA frames 180T thru 447T can be field converted, by reassembly, to F2 conduit box locations.

[W] Premium efficiency WATTS-AVER® motor. See page 15 for details.

CONTINUED ON NEXT PAGE

FOR 50 HZ OPERATION OF THESE MOTOR SIZES SEE PAGE 67

SHADED FRAME INDICATES CAST IRON CONSTRUCTION

Catalog numbers in blue are NEW items.
Catalog numbers in green are EPACT motors.

CAST IRON THREE PHASE MOTORS

150 & 170 SERIES • RIGID BASE • GENERAL PURPOSE



Cast Iron

DRIP-PROOF

| HP | RPM 60 Hz | NEMA Frame | Catalog Number | List Price | Disc. Sym. | App. Wgt. (lbs.) | Voltage | FL Amps 230V | % FL Eff. | "C" Dim. (Inches) |
|----|-----------------|---------------|-------------------|---------------|---------------|------------------------|-------------|--------------------|-----------------|-------------------------|
| 25 | 3500 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 3525 | 256T | G150034 | \$1260 | C | 292 | 208-230/460 | 57.0 | 91.0 | 22.60 |
| | 3525 | 256T | 170034 | 1445 | C | 327 | 208-230/460 | 52.4 | 93.0 | 22.60 |
| | 3550 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 3550 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 1770 | 284T | G150009 | 1266 | C | 388 | 208-230/460 | 59.6 | 91.7 | 23.54 |
| | 1770 | 284T | 170009 | 1445 | C | 404 | 208-230/460 | 59.6 | 93.6 | 23.54 |
| | 1180 | 324T | G150002 | 1966 | C | 529 | 208-230/460 | 67.0 | 91.7 | 26.02 |
| | 1190 | 324T | 170002 | 2275 | C | 695 | 208-230/460 | 67.0 | 93.0 | 26.02 |
| | 850 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 30 | 3550 | 284TS | G150036 | 1483 | C | 373 | 208-230/460 | 70.4 | 91.0 | 22.17 |
| | 3550 | 284TS | 170036 | 1679 | C | 396 | 208-230/460 | 67.0 | 94.1 | 22.17 |
| | 1770 | 286T | G150013 | 1457 | C | 434 | 208-230/460 | 72.0 | 92.4 | 25.00 |
| | 1770 | 286T | 170013 | 1568 | C | 471 | 208-230/460 | 71.0 | 94.1 | 25.00 |
| | 1180 | 326T | G150004 | 2211 | C | 567 | 208-230/460 | 78.8 | 92.4 | 27.52 |
| | 1190 | 326T | 170004 | 2374 | C | 760 | 208-230/460 | 78.0 | 93.6 | 27.52 |
| 40 | 3550 | 286TS | G150038 | 1779 | C | 426 | 208-230/460 | 93.0 | 91.7 | 23.62 |
| | 3550 | 286TS | 170038 | 2212 | C | 441 | 208-230/460 | 91.2 | 93.6 | 23.62 |
| | 3550 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 3550 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 1780 | 324T | G150017 | 1854 | C | 528 | 208-230/460 | 96.0 | 93.0 | 26.02 |
| | 1780 | 324T | 170017 | 2067 | C | 560 | 208-230/460 | 96.0 | 94.1 | 26.02 |
| | 1180 | 364T | G150147 | 2687 | C | 654 | 208-230/460 | 100.0 | 93.0 | 28.01 |
| | 1180 | 364T | 170147 | 3383 | C | 892 | 208-230/460 | 103.0 | 94.1 | 32.64 |
| 50 | 3550 | 324TS | G150040 | 2192 | C | 511 | 208-230/460 | 112.0 | 92.4 | 24.53 |
| | 3550 | 324TS | 170040 | 2696 | C | 548 | 208-230/460 | 112.0 | 94.1 | 24.53 |
| | 1780 | 326T | G150021 | 2096 | C | 612 | 208-230/460 | 120.0 | 93.0 | 27.52 |
| | 1780 | 326T | 170021 | 2497 | C | 614 | 208-230/460 | 118.0 | 94.5 | 27.52 |
| | 1180 | 365T | G150148 | 3425 | C | 716 | 208-230/460 | 125.0 | 93.0 | 31.18 |
| | 1180 | 365T | 170148 | 3872 | C | 918 | 208-230/460 | 128.0 | 94.5 | 33.62 |
| 60 | 3550 | 326TS | G150042 | 2452 | C | 560 | 208-230/460 | 134.0 | 93.0 | 26.02 |
| | 3550 | 326TS | 170042 | 3225 | C | 590 | 208-230/460 | 136.0 | 94.1 | 26.02 |
| | 3570 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 3570 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 1780 | 364T | G150025 | 2650 | C | 715 | 208-230/460 | 141.0 | 93.6 | 28.01 |
| | 1780 | 364T | 170025 | 2748 | C | 716 | 208-230/460 | 139.0 | 94.1 | 28.01 |
| | 1190 | 404T | G150149 | 3916 | C | 1010 | 208-230/460 | 142.0 | 93.6 | 32.76 |
| | 1190 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 75 | 3570 | 364TS | G150044 | 3525 | C | 707 | 208-230/460 | 173.0 | 93.0 | 26.89 |
| | 3570 | 364TS | 170044 | 4262 | C | 720 | 208-230/460 | 176.0 | 94.1 | 26.89 |
| | 1780 | 365T | G150029 | 3229 | C | 765 | 208-230/460 | 177.0 | 94.1 | 31.18 |
| | 1780 | 365T | 170029 | 3390 | C | 766 | 208-230/460 | 172.0 | 94.5 | 31.18 |
| | 1190 | 405T | G150150 | 4907 | C | 1017 | 208-230/460 | 181.0 | 93.6 | 34.25 |
| | 1190 | ... | ... | ... | ... | ... | ... | ... | ... | ... |

TOTALLY ENCLOSED FAN COOLED (TEFC)

| NEMA Frame | Catalog Number | List Price | Disc. Sym. | App. Wgt. (lbs.) | Voltage | FL Amps 230V | % FL Eff. | "C" Dim. (Inches) |
|---------------|-------------------|---------------|---------------|------------------------|-------------|--------------------|-----------------|-------------------------|
| 256T | G151318 | \$1520 | C | 307 | 208-230/460 | 56.4 | 90.2 | 24.92 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 284TS | G150035 | 1557 | C | 349 | 208-230/460 | 58.2 | 91.0 | 24.88 |
| 284TS | 170035 | 1921 | C | 383 | 208-230/460 | 56.8 | 93.0 | 24.88 |
| 284T | G150011 | 1414 | C | 370 | 208-230/460 | 58.8 | 92.4 | 26.26 |
| 284T | 170011 | 1814 | C | 385 | 208-230/460 | 59.0 | 93.6 | 26.26 |
| 324T | G150003 | 2458 | C | 494 | 208-230/460 | 64.8 | 91.7 | 29.53 |
| 324T | 170003 | 3033 | C | 545 | 208-230/460 | 66.0 | 93.0 | 29.53 |
| 326T | 150265 | 4360 | C | 700 | 208-230/460 | 63.0 | 90.2 | 31.02 |
| 286TS | G150037 | 1716 | C | 375 | 208-230/460 | 69.2 | 91.0 | 26.46 |
| 286TS | 170037 | 2267 | C | 385 | 208-230/460 | 67.6 | 93.0 | 26.46 |
| 286T | G150015 | 1719 | C | 428 | 208-230/460 | 69.8 | 92.4 | 27.83 |
| 286T | 170015 | 2114 | C | 432 | 208-230/460 | 70.0 | 94.1 | 27.83 |
| 326T | G150005 | 2663 | C | 528 | 208-230/460 | 77.0 | 91.7 | 31.02 |
| 326T | 170005 | 3404 | C | 615 | 208-230/460 | 77.2 | 93.6 | 31.02 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 324TS | G150039 | 2250 | C | 496 | 208-230/460 | 93.0 | 91.7 | 28.03 |
| 324TS | 170039 | 2829 | C | 504 | 208-230/460 | 89.0 | 93.6 | 28.03 |
| 324T | G150019 | 2221 | C | 528 | 208-230/460 | 90.0 | 93.0 | 29.53 |
| 324T | 170019 | 2807 | C | 528 | 208-230/460 | 92.0 | 94.1 | 29.53 |
| 364T | G150096 | 3838 | C | 638 | 208-230/460 | 101.0 | 93.0 | 32.64 |
| 364T | 170096 | 4665 | C | 636 | 208-230/460 | 102.0 | 94.1 | 32.64 |
| 326TS | G150041 | 2785 | C | 637 | 208-230/460 | 112.0 | 92.4 | 29.53 |
| 326TS | 170041 | 3436 | C | 554 | 208-230/460 | 111.0 | 94.5 | 29.53 |
| 326T | G150023 | 2738 | C | 561 | 208-230/460 | 117.8 | 93.0 | 31.02 |
| 326T | 170023 | 3392 | C | 587 | 208-230/460 | 117.0 | 94.5 | 31.02 |
| 365T | G150097 | 4481 | C | 686 | 208-230/460 | 123.0 | 93.0 | 33.62 |
| 365T | 170097 | 5598 | C | 672 | 208-230/460 | 124.0 | 94.1 | 33.62 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 364TS | G150043 | 4306 | C | 695 | 208-230/460 | 137.0 | 93.0 | 30.51 |
| 364TS | 170043 | 5095 | C | 735 | 208-230/460 | 136.0 | 94.1 | 30.51 |
| 364T | G150027 | 3997 | C | 687 | 208-230/460 | 138.0 | 93.6 | 32.64 |
| 364T | 170027 | 4824 | C | 666 | 208-230/460 | 137.0 | 95.4 | 32.64 |
| 404T | G150098 | 5179 | C | 888 | 208-230/460 | 145.0 | 93.6 | 36.42 |
| 404T | 170098 | 6604 | C | 870 | 208-230/460 | 142.0 | 94.5 | 36.42 |
| 365TS | G150045 | 5073 | C | 850 | 208-230/460 | 172.0 | 93.0 | 31.50 |
| 365TS | 170045 | 6242 | C | 780 | 208-230/460 | 169.0 | 94.5 | 31.50 |
| 365T | G150031 | 4615 | C | 723 | 208-230/460 | 173.0 | 94.1 | 33.62 |
| 365T | 170031 | 6020 | C | 733 | 208-230/460 | 171.0 | 95.8 | 33.62 |
| 405T | G150099 | 6100 | C | 973 | 208-230/460 | 179.0 | 93.6 | 37.91 |
| 405T | 170099 | 6962 | C | 975 | 208-230/460 | 176.0 | 95.0 | 37.91 |

All 150 & 170 Series motors on pages 12-14 have a 1.15 Service Factor, Class F insulation.

CONTINUED ON NEXT PAGE

FOR 50 HZ OPERATION OF THESE MOTOR SIZES SEE PAGE 67

SHADED FRAME INDICATES CAST IRON CONSTRUCTION

Catalog numbers in green are EPACT motors.
Catalog numbers in blue are new items.

LEESON CAST IRON • THREE PHASE MOTORS

150 & 170 SERIES • RIGID BASE • GENERAL PURPOSE

Cast Iron



DRIP-PROOF

| HP | RPM 60 Hz | NEMA Frame | Catalog Number | List Price | Disc. Sym. | App. Wgt. (lbs.) | Voltage | F.L. Amps 230V | % F.L. Eff. | "C" Dim. (Inches) |
|-----|-----------------|---------------|-------------------|---------------|---------------|------------------------|-------------|----------------------|-------------------|-------------------------|
| 100 | 3570 | 365TS | G150151 | \$4135 | C | 752 | 208-230/460 | 236.0 | 93.0 | 29.06 |
| | 3570 | 365TS | 170151 [W] | 4819 | C | 775 | 208-230/460 | 226.0 | 94.5 | 29.06 |
| | 3570 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 3570 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 170 | 1780 | 404T | G150152 | 4119 | C | 988 | 208-230/460 | 240.0 | 94.1 | 32.76 |
| | 1780 | 404T | 170152 | 4637 | C | 1141 | 208-230/460 | 225.0 | 95.4 | 32.76 |
| | 1780 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 1780 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 125 | 3570 | 404TS | G150154 | 4719 | C | 987 | 230/460 | 282.0 | 93.6 | 29.76 |
| | 3570 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 1780 | 405T | G150155 | 4773 | C | 1083 | 230/460 | 280.0 | 94.5 | 34.25 |
| | 1780 | 405T | 170155 | 5870 | C | 1236 | 230/460 | 280.0 | 95.4 | 34.25 |
| 150 | 3570 | 405TS | G151449 | 6978 | C | 1073 | 460 | 167.0+ | 93.6 | 31.26 |
| | 1790 | 444T | G151522 | 6369 | C | 1852 | 460 | 164.0+ | 95.0 | 40.00 |
| | 1780 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 1780 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 200 | 1785 | 445T | G151523 | 7699 | C | 1860 | 460 | 229.0+ | 95.0 | 40.00 |
| | 1790 | 445T | 171523 | 7993 | C | 2037 | 460 | 229.0+ | 95.8 | 40.00 |
| 250 | 1770 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 1785 | 445T | 151524 | 8972 | C | 1940 | 460 | 284.0+ | 94.5 | 40.00 |
| 300 | 1785 | 445T | 151525 | 10294 | C | 1962 | 460 | 329.0+ | 95.0 | 40.00 |
| 350 | 1780 | 445T | 151518 | 11361 | C | 2041 | 460 | 392.0+ | 94.1 | 40.00 |
| | 1790 | ... | ... | ... | ... | ... | ... | ... | ... | ... |

TOTALLY ENCLOSED FAN COOLED (TEFC)

| NEMA Frame | Catalog Number | List Price | Disc. Sym. | App. Wgt. (lbs.) | Voltage | F.L. Amps 230V | % F.L. Eff. | "C" Dim. (Inches) |
|---------------|-------------------|---------------|---------------|------------------------|-------------|----------------------|-------------------|-------------------------|
| ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 405TS | G150160 | \$6364 | C | 985 | 208-230/460 | 220.0 | 93.6 | 34.92 |
| 405TS | 170160 [W] | 7685 | C | 955 | 208-230/460 | 218.0 | 95.0 | 34.92 |
| 405T | G150087 | 6199 | C | 1050 | 208-230/460 | 229.0 | 94.5 | 37.91 |
| 405T | 170087 [W] | 7485 | C | 1070 | 208-230/460 | 225.0 | 95.4 | 37.91 |
| 444T | G151367 | 8759 | C | 1900 | 460 | 114.5+ | 94.1 | 42.87 |
| 444TS | G151368 | 9043 | C | 1282 | 460 | 134.0+ | 94.5 | 39.10 |
| 444T | G151369 | 8232 | C | 1920 | 460 | 139.0+ | 94.5 | 42.87 |
| 444T | 170369 [W] | 9940 | C | 1950 | 460 | 137.5+ | 95.4 | 42.87 |
| 445T | G151370 | 10018 | C | 2179 | 460 | 147.0+ | 94.1 | 44.88 |
| 445T | 170260 | 11196 | C | 1596 | 460 | 155.0+ | 95.4 | 44.88 |
| 445T | G151371 | 9237 | C | 1900 | 460 | 169.0+ | 95.0 | 44.88 |
| 445T | 170371 | 11372 | C | 1627 | 460 | 163.0+ | 95.8 | 44.88 |
| 447T | 170352 | 13025 | C | 2115 | 460 | 217.0+ | 96.2 | 48.00 |
| 447T | G150352 | 11775 | C | 2053 | 460 | 223.0+ | 95.0 | 48.00 |
| 449T | 151516 | 14081 | C | 2425 | 460 | 274.0+ | 95.0 | 52.80 |
| 449T | 151529 | 15837 | C | 2558 | 460 | 327.0+ | 95.4 | 52.80 |
| 449T | 151530 | 16503 | C | 2710 | 460 | 402.0+ | 95.4 | 52.80 |

† Full Load Amps 460 volt
 [W] Premium efficiency WATTS AVER® motor.
 See page 15 for details.

All 150 & 170 Series motors on pages 12-14 have a 1.15 Service Factor, Class F insulation.

FOR 50 HZ OPERATION OF THESE MOTOR SIZES SEE PAGE 67

SHADED FRAME INDICATES CAST IRON CONSTRUCTION

Catalog numbers in blue are NEW items.
Catalog numbers in green are EPACT motors.

QUICK REFERENCE

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