

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) Hazardous Location, Energy Efficient, Single Label, CORRO-DUTY®



LC, FLC

APPLICATIONS:

Designed for pumps, fans, compressors, conveyors and tools located in hazardous locations as defined by Class and Group.

FEATURES:

- UL® Listed & CSA® Certified
- All Cast Iron Construction (140 Frame Has Steel Base)
- Corrosion Resistant Mill & Chemical Duty Paint
- Stainless Steel Nameplate & Zinc Plated Hardware
- Shaft Slinger On Pulley End For IP54 Protection
- Cast Iron Inner Bearing Caps (180 Frame & Larger)
- 40°C Ambient, NEMA® Design B Performance (4)
- Regreasable Bearings 180 Frame & Up, Lifting Provisions 180 Frame & Up
- Sealed Bearings 56-140, Shielded 180-360, Open 400-440 Frames
- Class F Insulation, Listed For Ambients -25C To +40C
- Brass Breather Plug
- Suitable For Inverter Use Per Policy Statement In Introduction, 2:1 CT (See Page vii)
- Class I (Group D), T2B Temperature Code
- 1.15 Service Factor On 60 Hertz Sinewave Power

Class I, Group D, Temp Code T2B

| HP | RPM | Voltage | Frame | Catalog Number | List | Discount Symbol | "C" Dim. (inches) | Ship Wt. (lbs.) | Full Load Eff. | Full Load Amps | Notes |
|-------|------|---------|-------|----------------|---------|-----------------|-------------------|-----------------|----------------|----------------|-------|
| 1 | 1800 | 230/460 | 143T | YC1E2B | \$428 | DS-3CX | 13.1 | 62 | 82.5 | 1.5 | - |
| | 1200 | 230/460 | 145T | YC1E3B | \$502 | DS-3CX | 13.1 | 80 | 80 | 3.6/1.8 | - |
| | 900 | 230/460 | 182T | YC1S4B | \$825 | DS-3CX | 15.1 | 100 | 66 | 5.1/2.6 | - |
| 1-1/2 | 3600 | 230/460 | 143T | YC32E1B | \$448 | DS-3CX | 13.1 | 65 | 82.5 | 3.9/2 | - |
| | 1800 | 230/460 | 145T | YC32E2B | \$450 | DS-3CX | 13.1 | 80 | 84 | 4.3/2.2 | - |
| | 1200 | 230/460 | 182T | YC32E3B | \$543 | DS-3CX | 15.1 | 100 | 85.5 | 4.8/2.4 | - |
| | 900 | 230/460 | 184T | YC32S4B | \$1,150 | DS-3CX | 16.2 | 105 | 72 | 7.6/3.8 | - |
| 2 | 3600 | 230/460 | 145T | YC2E1B | \$499 | DS-3CX | 13.1 | 64 | 84 | 5/2.5 | - |
| | 1800 | 230/460 | 145T | YC2E2B | \$481 | DS-3CX | 13.1 | 80 | 84 | 5.9/2.9 | - |
| | 1200 | 230/460 | 184T | YC2E3B | \$629 | DS-3CX | 16.2 | 110 | 86.5 | 6.1/3.1 | - |
| | 900 | 230/460 | 213T | YC2S4B | \$1,230 | DS-3CX | 18.1 | 150 | 77 | 7.5/3.8 | - |
| 3 | 3600 | 230/460 | 182T | YC3E1B | \$563 | DS-3CX | 15.1 | 80 | 85.5 | 7.9/3.9 | - |
| | 1800 | 230/460 | 182T | YC3E2B | \$564 | DS-3CX | 15.1 | 96 | 87.5 | 8.2/4.1 | - |
| | 1200 | 230/460 | 213T | YC3E3B | \$808 | DS-3CX | 18.1 | 151 | 87.5 | 9.1/4.6 | - |
| | 900 | 230/460 | 215T | YC3S4B | \$1,528 | DS-3CX | 19.6 | 165 | 78.5 | 11.1/5.6 | - |
| 5 | 3600 | 230/460 | 184T | YC5E1B | \$709 | DS-3CX | 16.2 | 104 | 87.5 | 12.2/6.1 | - |
| | 1800 | 230/460 | 184T | YC5E2B | \$628 | DS-3CX | 16.2 | 105 | 87.5 | 12.7/6.4 | - |
| | 1200 | 230/460 | 215T | YC5E3B | \$1,072 | DS-3CX | 19.6 | 157 | 87.5 | 14.6/7.3 | - |
| | 900 | 230/460 | 254T | YC5S4B | \$2,088 | DS-3CX | 23.3 | 310 | 82.5 | 17.4/8.7 | - |
| 7-1/2 | 3600 | 230/460 | 213T | YC7E1B | \$908 | DS-3CX | 18.1 | 156 | 88.5 | 18.4/9.2 | - |
| | 1800 | 230/460 | 213T | YC7E2B | \$862 | DS-3CX | 18.1 | 160 | 91 | 18.6/9.3 | - |
| | 1200 | 230/460 | 254T | YC7E3B | \$1,433 | DS-3CX | 23.3 | 300 | 89.5 | 19.1/9.6 | - |
| | 900 | 230/460 | 256T | YC7S4B | \$2,574 | DS-3CX | 25.0 | 375 | 84 | 23.4/11.7 | - |
| 10 | 3600 | 230/460 | 215T | YC10E1B | \$1,045 | DS-3CX | 19.6 | 175 | 89.5 | 23.8/11.9 | - |
| | 1800 | 230/460 | 215T | YC10E2B | \$1,023 | DS-3CX | 19.6 | 194 | 91 | 24.6/12.3 | - |
| | 1200 | 230/460 | 256T | YC10E3B | \$1,867 | DS-3CX | 25.0 | 320 | 89.5 | 25.5/12.7 | - |
| | 1200 | 230/460 | 256T | YC10E3B | \$1,867 | DS-3CX | 25.0 | 320 | 89.5 | 25.5/12.7 | - |
| | 900 | 230/460 | 284T | YC10S4B | \$3,138 | DS-3CX | 25.5 | 380 | 86.5 | 29.5/14.8 | - |
| 15 | 3600 | 230/460 | 254T | YC15E1B | \$1,399 | DS-3CX | 23.3 | 320 | 90.2 | 35/17.7 | - |
| | 1800 | 230/460 | 254T | YC15E2B | \$1,343 | DS-3CX | 23.3 | 316 | 91 | 37/18.5 | - |
| | 1200 | 230/460 | 284T | YC15E3B | \$2,413 | DS-3CX | 25.5 | 400 | 90.2 | 39/19.5 | - |

Note 04 On 60 Hertz Sine Wave power

† All non-Emerson Electric Co. marks shown within this document are properties of their other respective owners

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Class I, Group D, Temp Code T2B

| HP | RPM | Voltage | Frame | Catalog Number | List | Discount Symbol | "C" Dim. (inches) | Ship Wt. (lbs.) | Full Load Eff. | Full Load Amps | Notes |
|-----|------|---------|-------|----------------|----------|-----------------|-------------------|-----------------|----------------|----------------|-------|
| 20 | 3600 | 230/460 | 256T | YC20E1B | \$1,794 | DS-3CX | 25.0 | 337 | 90.2 | 46/23.2 | - |
| | 1800 | 230/460 | 256T | YC20E2B | \$1,631 | DS-3CX | 25.0 | 372 | 91 | 49/24.4 | - |
| | 1200 | 230/460 | 286T | YC20E3B | \$2,847 | DS-3CX | 27.0 | 390 | 91 | 50/25 | - |
| | 900 | 230/460 | 324T | YC20S4B | \$4,895 | DS-3CX | 29.7 | 550 | 88.5 | 56/28.1 | - |
| 25 | 3600 | 230/460 | 284TS | YC25E1BS | \$2,281 | DS-3CX | 24.8 | 350 | 91 | 59/29.5 | - |
| | 1800 | 230/460 | 284T | YC25E2B | \$2,038 | DS-3CX | 25.5 | 350 | 92.4 | 60/29.9 | - |
| | 1200 | 230/460 | 324T | YC25E3B | \$3,560 | DS-3CX | 29.7 | 560 | 91.7 | 60/29.8 | - |
| | 900 | 230/460 | 326T | YC25S4B | \$5,680 | DS-3CX | 31.2 | 645 | 90.2 | 69/35 | - |
| 30 | 3600 | 230/460 | 286TS | YC30E1BS | \$2,474 | DS-3CX | 26.3 | 410 | 91 | 70/35 | - |
| | 1800 | 230/460 | 286T | YC30E2B | \$2,393 | DS-3CX | 27.0 | 415 | 92.4 | 71/36 | - |
| | 1200 | 230/460 | 326T | YC30E3B | \$4,215 | DS-3CX | 31.2 | 685 | 91.7 | 71/36 | - |
| 40 | 3600 | 230/460 | 324TS | YC40E1BS | \$3,309 | DS-3CX | 28.2 | 560 | 91.7 | 93/47 | - |
| | 1800 | 230/460 | 324T | YC40E2B | \$3,161 | DS-3CX | 29.7 | 560 | 93 | 92/46 | - |
| | 1200 | 230/460 | 364T | YC40E3B | \$5,560 | DS-3CX | 32.1 | 819 | 94.1 | 92/46 | - |
| 50 | 3600 | 230/460 | 326TS | YC50E1BS | \$4,361 | DS-3CX | 29.7 | 640 | 92.4 | 113/56 | - |
| | 1800 | 230/460 | 326T | YC50E2B | \$3,909 | DS-3CX | 31.2 | 650 | 93.6 | 113/57 | - |
| | 1200 | 230/460 | 365T | YC50E3B | \$6,354 | DS-3CX | 33.1 | 950 | 93.6 | 115/57 | - |
| 60 | 3600 | 230/460 | 364TS | YC60E1BS | \$6,337 | DS-3CX | 30.0 | 750 | 93 | 136/68 | - |
| | 1800 | 230/460 | 364T | YC60E2B | \$5,805 | DS-3CX | 32.1 | 810 | 93.6 | 141/71 | - |
| | 1200 | 230/460 | 404T | YC60E3B | \$7,495 | DS-3CX | 36.5 | 1350 | 93.6 | 141/70 | - |
| 75 | 3600 | 230/460 | 365TS | YC75E1BS | \$7,388 | DS-3CX | 31.0 | 850 | 93 | 167/84 | - |
| | 1800 | 230/460 | 365T | YC75E2B | \$7,204 | DS-3CX | 33.1 | 850 | 94.1 | 171/85 | - |
| | 1200 | 230/460 | 405T | YC75E3B | \$8,787 | DS-3CX | 38.0 | 1200 | 93.6 | 179/90 | - |
| 100 | 1800 | 230/460 | 405T | YC100E2B | \$8,792 | DS-3CX | 38.0 | 1244 | 94.5 | 227/113 | - |
| | 1200 | 460 | 444T | YC100E3C | \$12,334 | DS-3CX | 43.9 | 1450 | 94.1 | 128 | - |

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