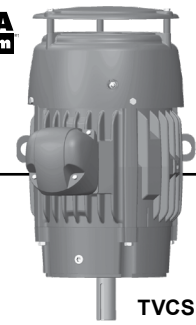


# Vertical Solid Shaft Normal Thrust - "P" Base Three Phase Totally Enclosed Fan Cooled (TEFC), CORRO-DUTY® NEMA®† Premium Efficient



## APPLICATIONS:

For pulp & paper, mill & chemical and any other severe duty environments found in the process industries.

## FEATURES:

- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- All Cast Iron Construction (Steel Frame On 140 Frame)
- Corrosion Resistant Mill & Chemical Duty Paint
- Stainless Steel Nameplate (with "CE" Mark)
- Shaft Slinger On Both Ends For IP54 Protection
- Type HP Shaft And Shaft/Flange Tolerances per NEMA®† MG1-18.252
- Regreasable Bearings 140 Frame & Up, Lifting Provisions 180 Frame & Up
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- 50 Hz. rated at 190/380V (140-250 Frame) or 380V (280 Frame & Larger)
- 1.15 Service Factor @ 60 Hz.
- Special Balance (< 0.08 In/Sec Vibration)
- Upper Thrust Bearing Open Bearings 180-447 (Double Shielded Bearings on 140 Frame)
- Steel Canopy Cap/Drip Cover (Cast Iron on 140 Frame)
- Cast Iron Inner Bearing Caps (180 Frame & Larger)
- Condensation Drain With Threaded Brass Breather Plug
- Oversized Cast Iron Conduit Box - 1 Size Larger Than NEMA®† Standard
- Zinc Plated Hardware
- **Discount Symbol: DS-7CE**

| HP    | RPM  | Voltage     | Frame | Catalog Number | Down Thrust (lbs) | Base Dia. (In) | NEMA Nom. Eff. | Full Load Amps | Ship Wt. (lbs.) | Notes |
|-------|------|-------------|-------|----------------|-------------------|----------------|----------------|----------------|-----------------|-------|
| 3     | 3600 | 208-230/460 | 182HP | CNT3P1DE       | 300               | 10             | 87.5           | 8.4-7.8/3.9    | 165             | 03    |
|       | 1800 | 208-230/460 | 182HP | CNT3P2DE       | 420               | 10             | 89.5           | 8.4-7.8/3.9    | 165             | 03    |
| 5     | 3600 | 208-230/460 | 184HP | CNT5P1DE       | 300               | 10             | 88.5           | 13.4-12.2/6.1  | 180             | 03    |
|       | 1800 | 208-230/460 | 184HP | CNT5P2DE       | 420               | 10             | 89.5           | 13.7-12.5/6.3  | 180             | 03    |
| 7 1/2 | 3600 | 208-230/460 | 213HP | CNT7P1DE       | 460               | 10             | 91.0           | 19.9-17.8/8.9  | 220             | 03    |
|       | 1800 | 208-230/460 | 213HP | CNT7P2DE       | 635               | 10             | 91.7           | 20.0-18.5/9.3  | 220             | 03    |
| 10    | 3600 | 208-230/460 | 215HP | CNT10P1DE      | 460               | 10             | 91.0           | 26.4-23.5/11.8 | 230             | 03    |
|       | 1800 | 208-230/460 | 215HP | CNT10P2DE      | 635               | 10             | 91.7           | 26.5-23.9/12.0 | 230             | 03    |
| 15    | 3600 | 208-230/460 | 254HP | CNT15P1DE      | 800               | 10             | 91.0           | 40.0-35.0/17.5 | 395             | 03    |
|       | 1800 | 208-230/460 | 254HP | CNT15P2DE      | 1110              | 10             | 92.4           | 40.0-37.0/18.4 | 395             | 03    |
| 20    | 3600 | 208-230/460 | 256HP | CNT20P1DE      | 800               | 10             | 91.0           | 53.0-46.0/23.1 | 405             | 03    |
|       | 1800 | 208-230/460 | 256HP | CNT20P2DE      | 1110              | 10             | 93.0           | 52.0-47.0/23.5 | 405             | 03    |
| 25    | 3600 | 460         | 284HP | CNT25P1FE      | 940               | 10             | 91.7           | 29.4           | 500             | 03    |
|       | 1800 | 460         | 284HP | CNT25P2FE      | 1295              | 10             | 93.6           | 29.1           | 500             | 03    |
| 30    | 3600 | 460         | 286HP | CNT30P1FE      | 940               | 10             | 91.7           | 34             | 520             | 03    |
|       | 1800 | 460         | 286HP | CNT30P2FE      | 1295              | 10             | 93.6           | 34             | 520             | 03    |
| 40    | 3600 | 460         | 324HP | CNT40P1FG      | 1090              | 16-1/2         | 92.4           | 46             | 740             | 03    |
|       | 1800 | 460         | 324HP | CNT40P2FG      | 1395              | 16-1/2         | 94.1           | 46             | 740             | 03    |
| 50    | 3600 | 460         | 326HP | CNT50P1FG      | 1090              | 16-1/2         | 93.0           | 56             | 750             | 03    |
|       | 1800 | 460         | 326HP | CNT50P2FG      | 1395              | 16-1/2         | 94.5           | 56             | 750             | 03    |
| 60    | 3600 | 460         | 364HP | CNT60P1FG      | 1360              | 16-1/2         | 93.6           | 68             | 925             | 03    |
|       | 1800 | 460         | 364HP | CNT60P2FG      | 1800              | 16-1/2         | 95.0           | 69             | 925             | 03    |
| 75    | 3600 | 460         | 365HP | CNT75P1FG      | 1360              | 16-1/2         | 93.6           | 83             | 940             | 03    |
|       | 1800 | 460         | 365HP | CNT75P2FG      | 1800              | 16-1/2         | 95.4           | 84             | 940             | 03    |
| 100   | 3600 | 460         | 405HP | CNT100P1FG     | 1825              | 16-1/2         | 94.5           | 112            | 1600            | 03    |
|       | 1800 | 460         | 405HP | CNT100P2FG     | 2300              | 16-1/2         | 95.4           | 113            | 1600            | 03    |
| 125   | 3600 | 460         | 444HP | CNT125P1FG     | 1210              | 16-1/2         | 95.8           | 142            | 1900            | 03    |
|       | 1800 | 460         | 444HP | CNT125P2FG     | 1530              | 16-1/2         | 95.4           | 147            | 1900            | 03    |
| 150   | 3600 | 460         | 445HP | CNT150P1FG     | 1210              | 16-1/2         | 95.8           | 171            | 2000            | 03    |
|       | 1800 | 460         | 445HP | CNT150P2FG     | 1530              | 16-1/2         | 95.8           | 171            | 2000            | 03    |
| 200   | 3600 | 460         | 447HP | CNT200P1FG     | 1210              | 16-1/2         | 96.2           | 217            | 2300            | 03    |
|       | 1800 | 460         | 447HP | CNT200P2FG     | 1530              | 16-1/2         | 96.2           | 224            | 2300            | 03    |

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate