# Vertical Solid Shaft Normal Thrust Motors - "P" Base
# Three Phase, WPI & TEFC, Energy Efficient & Premium Efficient

## APPLICATIONS:

For use on Vertical End Suction, Short Couple Pumps, Centrifugal and Non-Clog Pumps.

## FEATURES:

* 30 HP & Below Can Be Re-rated For 208/415 Volt 50 Hertz Operation at 1.0 Service Factor
* Class F Insulation, Class B Rise At Full Load
* 40°C Ambient, NEMA®† Design B Performance
* 230/460 Volt Motors Suitable For 230 Volt Part Winding Start
* Suitable For Operation on VFD Per NEMA®† MG-1 Part 30
* 1.15 Service Factor (Sine Wave), 40°C Ambient
* Corrosion Resistant Mill & Chemical Duty Paint
* Discount Symbol: DS-7NS

### Energy Efficient

| HP | RPM | Frame | Voltage | Enclosure | Catalog Number | Type | List | % FL Eff. | Amps. | Base Dia (in.) | Ship Wt. (lbs.) | Down Thrust (lbs.) | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1800 | 143VP | 230/460 | TEFC | NT1E2BE | TVE | $1,045 | 82.5 | 3.0/1.5 | 10 | 35 | 260 | |
| | 1200 | 145VP | 230/460 | TEFC | NT1E3BE | TVE | $1,408 | 80.0 | 3.2/1.6 | 10 | 45 | 340 | |
| 1-1/2 | 3600 | 143VP | 230/460 | TEFC | NT32E1BE | TVE | $1,338 | 82.5 | 3.9/1.9 | 10 | 35 | 200 | |
| | 1800 | 145VP | 230/460 | TEFC | NT32E2BE | TVE | $1,209 | 84.0 | 4.1/2.1 | 10 | 40 | 300 | |
| | 1200 | 182VP | 230/460 | TEFC | NT32E3BE | TVE | $2,042 | 85.5 | 5.1/2.5 | 10 | 65 | 400 | |
| 2 | 3600 | 145VP | 230/460 | TEFC | NT2E1BE | TVE | $1,408 | 84.0 | 4.9/2.5 | 10 | 40 | 220 | |
| | 1800 | 145VP | 230/460 | TEFC | NT2E2BE | TVE | $1,362 | 84.0 | 5.7/2.8 | 10 | 40 | 340 | |
| | 1200 | 184VP | 230/460 | TEFC | NT2E3BE | TVE | $2,512 | 86.5 | 6.3/3.1 | 10 | 75 | 450 | |
| 3 | 1800 | 182VP | 230/460 | WPI | NO3E2BE | AVE | $1,634 | 86.5 | 8.2/4.1 | 10 | 75 | 390 | |
| | 1800 | 182VP | 230/460 | TEFC | NT3E2BE | TVE | $2,124 | 87.5 | 8.2/4.1 | 10 | 150 | 390 | |
| 5 | 1800 | 184VP | 230/460 | WPI | NO5E2BE | AVE | $2,512 | 87.5 | 12.7/6.3 | 10 | 170 | 490 | |
| | 1800 | 184VP | 230/460 | TEFC | NT5E2BE | TVE | $2,974 | 87.5 | 12.7/6.3 | 10 | 170 | 490 | |
| 7-1/2 | 1800 | 213VP | 230/460 | WPI | NO7E2BE | AVE | $2,923 | 88.5 | 18.5/9.3 | 10 | 210 | 560 | |
| | 1800 | 213VP | 230/460 | TEFC | NT7E2BE | TVE | $3,796 | 89.5 | 18.5/9.3 | 10 | 210 | 560 | |
| 10 | 1800 | 215VP | 230/460 | WPI | NO10E2BE | AVE | $3,284 | 89.5 | 24.4/12.2 | 10 | 220 | 640 | |
| 15 | 1800 | 254VP | 230/460 | WPI | NO15E2BE | AVE | $3,777 | 91.0 | 37.0/18.4 | 10 | 265 | 640 | |
| 20 | 1800 | 256VP | 230/460 | WPI | NO20E2BE | AVE | $4,310 | 91.0 | 50/25 | 10 | 300 | 640 | |
| 25 | 1800 | 284VPZ | 230/460 | WPI | NO25E2BE | AVE | $4,620 | 91.7 | 62/31 | 10 | 305 | 640 | |
| 30 | 1800 | 286VPZ | 230/460 | WPI | NO30E2BE | AVE | $5,195 | 92.4 | 71/36 | 10 | 325 | 640 | |
| | 1800 | 286VP | 230/460 | TEFC | NT30E2BE | TVE | $6,756 | 92.4 | 71/36 | 10 | 330 | 640 | |
| 40 | 1800 | 324VP | 230/460 | WPI | NO40E2BG | RVE | $5,516 | 93.0 | 96/48 | 16.5 | 520 | 640 | |
| 50 | 1800 | 326VP | 230/460 | WPI | NO50E2BG | RVE | $6,547 | 93.0 | 117/59 | 16.5 | 675 | 640 | |
| 100 | 1800 | 404VPZ | 230/460 | WPI | NO100E2BG | RVE | $11,143 | 94.1 | 225/113 | 16.5 | 1110 | 720 | |
| 125 | 1800 | 405VPZ | 230/460 | WPI | NO125E2BG | RVE | $13,460 | 94.5 | 282/141 | 16.5 | 1200 | 720 | |

### Premium Efficient

| HP | RPM | Frame | Voltage | Enclosure | Catalog Number | Type | List | % FL Eff. | Amps. | Base Dia (in.) | Ship Wt. (lbs.) | Down Thrust (lbs.) | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1800 | 143VP | 230/460 | TEFC | NT1P2BE | TVS | $1,136 | 85.5 | 2.9/1.4 | 10 | 40 | 260 | |
| | 1200 | 145VP | 230/460 | TEFC | NT1P3BE | TVS | $1,540 | 82.5 | 3.6/1.8 | 10 | 45 | 340 | |
| 1-1/2 | 3600 | 143VP | 230/460 | TEFC | NT32P1BE | TVS | $1,444 | 84.0 | 3.7/1.9 | 10 | 40 | 200 | |
| | 1800 | 145VP | 230/460 | TEFC | NT32P2BE | TVS | $1,312 | 86.5 | 4.0/2.0 | 10 | 45 | 300 | |
| | 1200 | 182VP | 230/460 | TEFC | NT32P3BE | TVS | $2,207 | 87.5 | 4.5/2.3 | 10 | 65 | 400 | |
| 2 | 3600 | 145VP | 230/460 | TEFC | NT2P1BE | TVS | $1,526 | 85.5 | 4.8/2.4 | 10 | 40 | 220 | |
| | 1800 | 145VP | 230/460 | TEFC | NT2P2BE | TVS | $1,488 | 86.5 | 5.3/2.6 | 10 | 45 | 340 | |
| | 1200 | 184VP | 230/460 | TEFC | NT2P3BE | TVS | $2,639 | 88.5 | 5.9/3.0 | 10 | 75 | 450 | |

† All marks shown within this document are properties of their respective owners.