

**Three Phase Modifiable Motors**  
**Vertical HOLLOSHAFT®**  
**High Thrust - "P" Base**  
**Weather Protected Type I (WPI)**  
**2 Pole, 3600 RPM**

**VHS**  
**WPI**  
3600 RPM  
460V

**APPLICATIONS:**

For use on Turbine, Mix Flow and Propeller Pumps

**FEATURES:**

- \* Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- \* 1.15 Service Factor (Sine Wave Power)
- \* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude

- \* NEMA Design "B"
- \* 3 Phase 60 Hz

**460 or 575 Volt**

| HP  | Down Thrust (lbs) (#) | Standard Efficient |          |      | Energy Efficient |          |      | Premium Efficient |          |       | NRR List Adder | Disc. Sym |
|-----|-----------------------|--------------------|----------|------|------------------|----------|------|-------------------|----------|-------|----------------|-----------|
|     |                       | Frame              | SRC List | Type | Frame            | SRC List | Type | Frame             | SRC List | Type  |                |           |
| 20  | 2600                  | 254TP              | \$3,484  | AU   | 254TP            | \$3,971  | AUE  | 254TP             | \$4,368  | AUS   | \$347          | 7VM       |
| 25  | 2600                  | 256TP              | \$3,681  | AU   | 256TP            | \$4,262  | AUE  | 256TP             | \$4,698  | AUS   | \$371          | 7VM       |
| 30  | 2600                  | 284TP              | \$4,033  | AU   | 284TP            | \$4,588  | AUE  | 284TP             | \$5,228  | AUS   | \$399          | 7VM       |
| 40  | 2600                  | 286TP              | \$5,272  | AU   | 286TP            | \$5,665  | AUE  | 286TP             | \$6,362  | AUS** | \$526          | 7VM       |
| 50  | 4600                  | 324TP              | \$6,052  | RU   | 324TP            | \$6,822  | RUE  | 324TP             | \$7,181  | RUS   | \$535          | 7VM       |
| 60  | 4600                  | 326TP              | \$7,221  | RU   | 326TP            | \$7,785  | RUE  | 326TP             | \$8,195  | RUS   | \$638          | 7VM       |
| 75  | 4500                  | 364TP              | \$8,585  | RU   | 364TP            | \$9,036  | RUE  | 364TP             | \$9,512  | RUS   | \$793          | 7VM       |
| 100 | 4500                  | 365TP              | \$12,174 | RU   | 365TP            | \$12,733 | RUE  | 365TP             | \$13,403 | RUS   | \$1,075        | 7VM       |
| 125 | 5200                  | 404TP              | \$15,888 | RU   | 404TP            | \$16,525 | RUE  | 404TP             | \$17,060 | RUS   | \$1,347        | 7VM       |
| 150 | 5200                  | 405TP              | \$18,587 | RU   | 405TP            | \$19,862 | RUE  | 405TP             | \$23,782 | RUS   | \$1,427        | 7VM       |

The Open Motor Product is Not Available Below 254 Frame, Use TEFC

# Momentary Upthrust Capacity is 30% of Standard High Thrust Design

\* NRR = Non-Reverse Ratchet SRC = Self Release Coupling

\*\*Cast Iron Frame

| FRAME    | STD. BD | ALT.BD  | MAX BX | CD        | FRAME | STD. BD | ALT.BD  | MAX BX | CD      |
|----------|---------|---------|--------|-----------|-------|---------|---------|--------|---------|
| 250      | 10      | 12-16.5 | 1.250  | 23.375 ++ | 447   | 16.5    | 20-24.5 | 2.250  | 49.780  |
| 280      | 10      | 12-16.5 | 1.250  | 24.750    | 449   | 24.5    | 20-30.5 | 2.500  | 49.780  |
| 320      | 16.5    | 12      | 1.501  | 28.219    | 5008  | 24.5    | 20-30.5 | 2.500  | 57.060  |
| 360      | 16.5    | 12      | 1.501  | 31.156    | 5012  | 24.5    | 20-30.5 | 2.750  | 72.300  |
| 400      | 16.5    | 20      | 1.688  | 36.938    | 5813  | 30.5    | 36      | 3.875  | 93.130  |
| H444/445 | 16.5    | 20      | 2.250  | 44.780    | 6813  | 30.5    | 36-42   | 3.875  | 111.660 |

++ 20 HP, 4 Pole Energy and Premium Efficient CD is 24.750

See Page M-83 For Available And Alternate BD Dimensions

\* 60Hz 3600, 1800, 1200 & 900 RPM motors comply with U.S. D.O.E.'s Efficiency regulation 10 CFR Section 431 Subpart B – electric motors (See Page M-80 - M-81 for Nominal Efficiency Table)



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**Three Phase Modifiable Motors**  
**Vertical HOLLOSHAFT®**  
**High Thrust - "P" Base**  
**Weather Protected Type I (WPI)**  
**4 Pole, 1800 RPM**



**APPLICATIONS:**

For use on Turbine, Mix Flow and Propeller Pumps

**FEATURES:**

- \* Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- \* 1.15 Service Factor (Sine Wave Power)
- \* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude
- \* NEMA Design "B"
- \* 3 Phase 60 Hz

**200, 230/460, 575 Volts (&)**

| HP  | Down Thrust (lbs) (#) | Standard Efficient |           |      | Energy Efficient |          |      | Premium Efficient |           |      | NRR List Adder | Disc. Sym |
|-----|-----------------------|--------------------|-----------|------|------------------|----------|------|-------------------|-----------|------|----------------|-----------|
|     |                       | Frame              | SRC List  | Type | Frame            | SRC List | Type | Frame             | SRC List  | Type |                |           |
| 15  | 3300                  | 254TP              | \$3,277   | AU   | 254TP            | \$3,780  | AUE  | 254TP             | \$4,057   | AUS  | \$329          | 7VM       |
| 20  | 3300                  | 256TP              | \$3,732   | AU   | 256TP            | \$4,201  | AUE  | 256TP             | \$4,446   | AUS  | \$376          | 7VM       |
| 25  | 3300                  | 284TP              | \$4,164   | AU   | 284TP            | \$4,799  | AUE  | 284TP             | \$5,060   | AUS  | \$418          | 7VM       |
| 30  | 3300                  | 286TP              | \$4,685   | AU   | 286TP            | \$5,236  | AUE  | 286TP             | \$5,512   | AUS  | \$465          | 7VM       |
| 40  | 5700                  | 324TP              | \$5,502   | RU   | 324TP            | \$5,841  | RUE  | 324TP             | \$6,148   | RUS  | \$484          | 7VM       |
| 50  | 5700                  | 326TP              | \$6,526   | RU   | 326TP            | \$6,859  | RUE  | 326TP             | \$7,220   | RUS  | \$577          | 7VM       |
| 60  | 5700                  | 364TP              | \$7,540   | RU   | 364TP            | \$8,057  | RUE  | 364TP             | \$8,481   | RUS  | \$662          | 7VM       |
| 75  | 5700                  | 365TP              | \$9,178   | RU   | 365TP            | \$9,627  | RUE  | 365TP             | \$10,134  | RUS  | \$808          | 7VM       |
| 100 | 6700                  | 404TP              | \$11,596  | RU   | 404TP            | \$12,323 | RUE  | 404TP             | \$12,972  | RUS  | \$1,019        | 7VM       |
| 125 | 6700                  | 405TP              | \$14,005  | RU   | 405TP            | \$15,342 | RUE  | 405TP             | \$16,149  | RUS  | \$1,235        | 7VM       |
| 150 | 9800                  | H444TP             | \$17,033  | RU   | H444TP           | \$20,207 | RUE  | H444TP            | \$21,270  | RUS  | \$1,300        | 7VM       |
| 200 | 9800                  | H445TP             | \$23,141  | RU   | H445TP           | \$25,900 | RUE  | H445TP            | \$27,263  | RUS  | \$1,347        | 7VM       |
| 250 | 9800                  | H445TP             | \$27,559  | RU   | H445TP           | \$32,546 | RUE  | H445TP            | \$34,682  | RUS  | \$1,347        | 7VM       |
| 300 | 9800                  | 447TP@             | \$31,693  | RU   | 447TP@           | \$37,428 | RUE  | 447TP@            | \$39,884  | RUS  | \$1,559        | 7VM       |
| 350 | 9800                  | 447TP@             | \$35,654  | RU   | 447TP@           | \$42,106 | RUE  | 447TP@            | \$44,870  | RUS  | \$1,559        | 7VM       |
| 400 | 9500                  | 449TP@             | \$51,082  | RU   | 449TP@           | \$60,655 | RU   | 449TP@            | \$63,847  | RUS  | \$1,570        | 8VM       |
| 450 | 9500                  | 449TP@             | \$57,467  | RU   | 449TP@           | \$68,253 | RU   | 449TP@            | \$71,845  | RUS  | \$1,596        | 8VM       |
| 500 | 9500                  | 449TP@             | \$66,877  | RU   | 449TP@           | \$73,063 | RU   | 449TP@            | \$76,908  | RUE  | \$1,761        | 8VM       |
| 600 | 9500                  | 5008P              | \$76,286  | RU   | ---              | ---      | ---  | 5008P             | \$94,552  | RUE  | \$1,908        | 8VM       |
| 700 | 10300                 | 5012P              | \$88,547  | RU   | ---              | ---      | ---  | 5012P             | \$109,857 | RUE  | \$2,214        | 8VM       |
| 800 | 10300                 | 5012P              | \$101,197 | RU   | ---              | ---      | ---  | 5012P             | \$125,552 | RUE  | \$2,531        | 8VM       |

The Open Motor Product Is Not Available Below 254 Frame, Use TEFC  
 # Momentary Upthrust Capacity is 30% of Standard High Thrust Design  
 & Standard Voltages Thru 404 Frame; 405 Frame & Larger, Single Voltage 460 or 575 standard  
 @Contact your Nidec Motor Corporation Technical Representative for WPII frame size confirmation prior to quoting.  
 +10,300 Lbs. Downthrust For 5012 Frame  
 \* NRR = Non-Reverse Ratchet SRC = Self Release Coupling  
 See Page M-83 For Available And Alternate BD Dimensions

\* 60Hz 3600, 1800, 1200 & 900 RPM motors comply with U.S. D.O.E.'s Efficiency regulation 10 CFR Section 431 Subpart B – electric motors (See Page M-80 - M-81 for Nominal Efficiency Table)



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**Three Phase Modifiable Motors**  
**Vertical HOLLOSHAFT®**  
**High Thrust - “P” Base**  
**Weather Protected Type I (WPI)**  
**4 Pole, 1800 RPM**

**VHS**  
**WPI**  
1800 RPM  
2300V

**APPLICATIONS:**

For use on Turbine, Mix Flow and Propeller Pumps

**FEATURES:**

- \* Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- \* 1.15 Service Factor (Sine Wave Power)
- \* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude

- \* NEMA Design “B”
- \* 3 Phase 60 Hz

**2300 Volt**

| HP    | Down Thrust (lbs) (#) | Standard Efficient |         |           |      | Premium Efficient |         |           |      | NRR List Adder | Disc. Sym |
|-------|-----------------------|--------------------|---------|-----------|------|-------------------|---------|-----------|------|----------------|-----------|
|       |                       | Frame              | BD (in) | SRC List  | Type | Frame             | BD (in) | SRC List  | Type |                |           |
| 150   | 9800                  | 447TP@             | 20      | \$33,052  | RU   | 447TP@            | 20      | \$38,012  | RUS  | \$1,761        | 8VM       |
| 200   | 9800                  | 447TP@             | 20      | \$36,533  | RU   | 447TP@            | 20      | \$42,009  | RUS  | \$1,761        | 8VM       |
| 250   | 9800                  | 447TP@             | 20      | \$40,822  | RU   | 449TP@            | 24.5    | \$46,946  | RUS  | \$1,843        | 8VM       |
| 300   | 9500                  | 449TP@             | 24.5    | \$45,923  | RU   | 449TP@            | 24.5    | \$52,812  | RUS  | \$1,873        | 8VM       |
| 350   | 9500                  | 5008P              | 24.5    | \$51,791  | RU   | 5008P             | 24.5    | \$59,561  | RUE  | \$1,873        | 8VM       |
| 400   | 9500                  | 5008P              | 24.5    | \$54,742  | RU   | 5008P             | 24.5    | \$62,953  | RUE  | \$1,960        | 8VM       |
| 450   | 9500                  | 5008P              | 24.5    | \$62,244  | RU   | 5008P             | 24.5    | \$71,582  | RUE  | \$1,960        | 8VM       |
| 500   | 9500                  | 5008P              | 24.5    | \$69,350  | RU   | 5012P+            | 24.5    | \$79,751  | RUE  | \$1,995        | 8VM       |
| 600   | 10300                 | 5012P              | 24.5    | \$83,770  | RU   | 5012P             | 24.5    | \$96,336  | RUE  | \$2,183        | 8VM       |
| 700   | 10300                 | 5012P              | 24.5    | \$95,197  | RU   | 5012P             | 24.5    | \$109,474 | RUE  | \$2,425        | 8VM       |
| 800   | 10300                 | 5012P              | 24.5    | \$106,681 | RU   | 5012P             | 24.5    | \$122,685 | RUE  | \$2,425        | 8VM       |
| 900   | 10300                 | 5012P              | 24.5    | \$119,998 | RU   | 5012P             | 24.5    | \$137,995 | RUE  | \$2,484        | 8VM       |
| 1000  | 10300                 | 5012P              | 24.5    | \$133,195 | RU   | 5012P             | 24.5    | \$153,176 | RUE  | \$2,484        | 8VM       |
| 1250  | 11900                 | 5813P              | 30.5    | \$166,486 | RU   | 5813P             | 30.5    | \$191,458 | RUE  | \$3,312        | 8VM       |
| 1500  | 11900                 | 5813P              | 30.5    | \$190,472 | RU   | 5813P             | 30.5    | \$219,045 | RUE  | \$3,930        | 8VM       |
| 1750  | 11900                 | 5813P              | 30.5    | \$223,075 | RU   | 5813P             | 30.5    | \$256,538 | RUE  | \$5,441        | 8VM       |
| 2000  | 10300                 | 6813P              | 30.5    | \$239,063 | RU   | 6813P             | 30.5    | \$274,925 | RUE  | \$5,977        | 9VM       |
| 2250  | 10300                 | 6813P              | 30.5    | \$252,324 | RU   | 6813P             | 30.5    | \$290,174 | RUE  | \$6,165        | 9VM       |
| 2500  | 10300                 | 6813P              | 30.5    | \$254,080 | RU   | 6813P             | 30.5    | \$292,190 | RUE  | \$6,352        | 9VM       |
| 3000  | 10300                 | 6813P              | 30.5    | \$367,491 | RU   | 6813P             | 30.5    | \$422,615 | RUE  | \$10,289       | 9VM       |
| 3500  | 10300                 | 6813P              | 30.5    | \$422,394 | RU   | 6813P             | 30.5    | \$466,857 | RUE  | \$11,369       | 9VM       |
| 4000* | 10300                 | 6813P              | 30.5    | \$424,340 | RU   | 6813P             | 30.5    | \$487,991 | RUE  | \$11,880       | 9VM       |
| 4500* | 8600                  | 9608PH             | 42      | \$450,082 | RU   | 9608PH            | 42      | \$517,594 | RUE  | \$12,603       | 9VM       |
| 5000* | 8600                  | 9608PH             | 42      | \$474,444 | RU   | 9608PH            | 42      | \$545,610 | RUE  | \$13,284       | 9VM       |

# Momentary Upthrust Capacity is 30% of Standard High Thrust Design

@Contact your Nidec Motor Corporation Technical Representative for WPII frame size confirmation prior to quoting, 9500 Lbs. Downthrust

+ 10,300 Lbs Down Thrust for 5012 Frame

\* Maximum Full Load Test Capacity is 3500 HP

\* NRR = Non-Reverse Ratchet SRC= Self Release Coupling

See Page M-83 For Available And Alternate BD Dimensions



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**Three Phase Modifiable Motors**  
**Vertical HOLLOSHAFT®**  
**High Thrust - "P" Base**  
**Weather Protected Type I (WPI)**  
**4 Pole, 1800 RPM**



**APPLICATIONS:**

For use on Turbine, Mix Flow and Propeller Pumps

**FEATURES:**

- \* Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- \* 1.15 Service Factor (Sine Wave Power)
- \* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude
- \* NEMA Design "B"
- \* 3 Phase 60 Hz

**4160 Volt**

| HP    | Down Thrust (lbs) (#) | Standard Efficient |         |           |      | Premium Efficient |        |           |      | NRR List Adder | Disc. Sym |
|-------|-----------------------|--------------------|---------|-----------|------|-------------------|--------|-----------|------|----------------|-----------|
|       |                       | Frame              | BD (in) | SRC List  | Type | Frame             | BD(in) | SRC List  | Type |                |           |
| 150   | 9500                  | 449TP@             | 24.5    | \$39,411  | RU   | 449TP@            | 24.5   | \$45,324  | RUS  | \$1,761        | 8VM       |
| 200   | 9500                  | 449TP@             | 24.5    | \$42,378  | RU   | 449TP@            | 24.5   | \$48,732  | RUS  | \$1,761        | 8VM       |
| 250   | 9500                  | 449TP@             | 24.5    | \$46,230  | RU   | 449TP@            | 24.5   | \$53,164  | RUS  | \$1,843        | 8VM       |
| 300   | 9500                  | 449TP@             | 24.5    | \$52,005  | RU   | 449TP@            | 24.5   | \$59,803  | RUS  | \$1,873        | 8VM       |
| 350   | 9500                  | 5008P              | 24.5    | \$58,692  | RU   | 5008P             | 24.5   | \$67,495  | RUE  | \$1,873        | 8VM       |
| 400   | 9500                  | 5008P              | 24.5    | \$62,418  | RU   | 5008P             | 24.5   | \$71,782  | RUE  | \$1,960        | 8VM       |
| 450   | 9500                  | 5008P              | 24.5    | \$70,765  | RU   | 5008P             | 24.5   | \$81,383  | RUE  | \$1,960        | 8VM       |
| 500   | 9500                  | 5008P              | 24.5    | \$79,451  | RU   | 5012P+            | 24.5   | \$91,371  | RUE  | \$1,995        | 8VM       |
| 600   | 10300                 | 5012P              | 24.5    | \$93,951  | RU   | 5012P             | 24.5   | \$108,042 | RUE  | \$2,183        | 8VM       |
| 700   | 10300                 | 5012P              | 24.5    | \$107,192 | RU   | 5012P             | 24.5   | \$123,272 | RUE  | \$2,425        | 8VM       |
| 800   | 10300                 | 5012P              | 24.5    | \$120,171 | RU   | 5012P             | 24.5   | \$138,195 | RUE  | \$2,425        | 8VM       |
| 900   | 10300                 | 5012P              | 24.5    | \$134,822 | RU   | 5012P             | 24.5   | \$155,023 | RUE  | \$2,484        | 8VM       |
| 1000  | 10300                 | 5012P              | 24.5    | \$149,373 | RU   | 5012P             | 24.5   | \$171,779 | RUE  | \$2,484        | 8VM       |
| 1250  | 11900                 | 5813P              | 30.5    | \$183,711 | RU   | 5813P             | 30.5   | \$211,268 | RUE  | \$3,312        | 8VM       |
| 1500  | 11900                 | 5813P              | 30.5    | \$209,167 | RU   | 5813P             | 30.5   | \$240,542 | RUE  | \$3,930        | 8VM       |
| 1750  | 11900                 | 5813P              | 30.5    | \$249,190 | RU   | 5813P             | 30.5   | \$286,481 | RUE  | \$5,441        | 8VM       |
| 2000  | 10300                 | 6813P              | 30.5    | \$267,754 | RU   | 6813P             | 30.5   | \$307,913 | RUE  | \$5,977        | 9VM       |
| 2250  | 10300                 | 6813P              | 30.5    | \$276,031 | RU   | 6813P             | 30.5   | \$317,437 | RUE  | \$5,977        | 9VM       |
| 2500  | 10300                 | 6813P              | 30.5    | \$284,568 | RU   | 6813P             | 30.5   | \$327,254 | RUE  | \$6,352        | 9VM       |
| 3000  | 10300                 | 6813P              | 30.5    | \$411,592 | RU   | 6813P             | 30.5   | \$473,331 | RUE  | \$10,289       | 9VM       |
| 3500  | 10300                 | 6813P              | 30.5    | \$454,678 | RU   | 6813P             | 30.5   | \$522,878 | RUE  | \$11,369       | 9VM       |
| 4000* | 10300                 | 6813P              | 30.5    | \$475,261 | RU   | 6813P             | 30.5   | \$546,549 | RUE  | \$11,880       | 9VM       |
| 4500* | 8600                  | 9608PH             | 42      | \$504,094 | RU   | 9608PH            | 42     | \$579,707 | RUE  | \$12,603       | 9VM       |
| 5000* | 8600                  | 9608PH             | 42      | \$531,376 | RU   | 9608PH            | 42     | \$611,082 | RUE  | \$13,284       | 9VM       |

# Momentary Upthrust Capacity is 30% of Standard High Thrust Design

+ 10,300 Lbs. Downthrust for 5012 Frame

\*Maximum Full Load Test Capacity is 3500 HP

\*NRR = Non-Reverse Ratchet SRC = Self Release Coupling

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See Page M-83 For Available And Alternate BD Dimensions



**Three Phase Modifiable Motors**  
**Vertical HOLLOSHAFT®**  
**High Thrust - "P" Base**  
**Weather Protected Type I (WPI)**  
**6 Pole, 1200 RPM**

**VHS**  
**WPI**  
1200 RPM  
460V

**APPLICATIONS:**

For use on Turbine, Mix Flow and Propeller Pumps

**FEATURES:**

- \* Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- \* 1.15 Service Factor (Sine Wave Power)
- \* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude

- \* NEMA Design "B"
- \* 3 Phase 60 Hz

**200, 230/460, 575 Volts (&)**

| HP  | Down Thrust (lbs) (#) | Standard Efficient |           |      | Energy Efficient |          |      | Premium Efficient |           |      | NRR List Adder | Disc. Sym |
|-----|-----------------------|--------------------|-----------|------|------------------|----------|------|-------------------|-----------|------|----------------|-----------|
|     |                       | Frame              | SRC List  | Type | Frame            | SRC List | Type | Frame             | SRC List  | Type |                |           |
| 7.5 | 3800                  | 254TP              | \$3,329   | AU   | 254TP            | \$4,063  | AUE  | 254TP             | \$4,307   | AUS  | \$376          | 7VM       |
| 10  | 3800                  | 256TP              | \$3,761   | AU   | 256TP            | \$4,629  | AUE  | 256TP             | \$4,907   | AUS  | \$385          | 7VM       |
| 15  | 3800                  | 284TP              | \$4,385   | AU   | 284TP            | \$5,507  | AUE  | 284TP             | \$5,837   | AUS  | \$411          | 7VM       |
| 20  | 3800                  | 286TP              | \$5,329   | AU   | 286TP            | \$6,451  | AUE  | 286TP             | \$6,838   | AUS  | \$469          | 7VM       |
| 25  | 6700                  | 324TP              | \$6,150   | RU   | 324TP            | \$7,617  | RUE  | 324TP             | \$7,998   | RUS  | \$540          | 7VM       |
| 30  | 6700                  | 326TP              | \$7,019   | RU   | 326TP            | \$8,486  | RUE  | 326TP             | \$8,911   | RUS  | \$620          | 7VM       |
| 40  | 6700                  | 364TP              | \$8,577   | RU   | 364TP            | \$11,181 | RUE  | 364TP             | \$11,739  | RUS  | \$756          | 7VM       |
| 50  | 6700                  | 365TP              | \$10,113  | RU   | 365TP            | \$12,716 | RUE  | 365TP             | \$13,352  | RUS  | \$869          | 7VM       |
| 60  | 7800                  | 404TP              | \$11,549  | RU   | 404TP            | \$15,167 | RUE  | 404TP             | \$15,925  | RUS  | \$1,019        | 7VM       |
| 75  | 7800                  | 405TP              | \$13,582  | RU   | 405TP            | \$17,200 | RUE  | 405TP             | \$18,059  | RUS  | \$1,197        | 7VM       |
| 100 | 11250                 | H444TP             | \$16,775  | RU   | H444TP           | \$22,305 | RUE  | H444TP            | \$23,420  | RUS  | \$1,549        | 7VM       |
| 125 | 11250                 | H445TP             | \$20,277  | RU   | H445TP           | \$25,808 | RUE  | H445TP            | \$27,099  | RUS  | \$1,549        | 7VM       |
| 150 | 11250                 | H445TP             | \$24,493  | RU   | H445TP           | \$30,023 | RUE  | H445TP            | \$31,526  | RUS  | \$1,878        | 7VM       |
| 200 | 11250                 | 447TP@             | \$30,616  | RU   | 447TP@           | \$37,529 | RUE  | 447TP@            | \$39,408  | RUS  | \$1,756        | 7VM       |
| 250 | 11250                 | 447TP@             | \$37,505  | RU   | 447TP@           | \$45,973 | RUE  | 447TP@            | \$48,274  | RUS  | \$1,756        | 7VM       |
| 300 | 11000                 | 449TP@             | \$50,563  | RU   | 449TP@           | \$60,050 | RU   | 449TP@            | \$63,211  | RUS  | \$1,770        | 8VM       |
| 350 | 11000                 | 5008P              | \$58,399  | RU   | 5008P            | \$69,345 | RU   | 5008P             | \$72,995  | RUE  | \$1,784        | 8VM       |
| 400 | 11000                 | 5008P              | \$66,890  | RU   | 5012P+           | \$79,434 | RU   | 5012P+            | \$83,615  | RUE  | \$1,808        | 8VM       |
| 450 | 11900                 | 5012P              | \$74,002  | RU   | 5012P            | \$87,877 | RU   | 5012P             | \$92,502  | RUE  | \$2,066        | 8VM       |
| 500 | 11900                 | 5012P              | \$81,502  | RU   | 5012P            | \$96,773 | RU   | 5012P             | \$101,866 | RUE  | \$2,272        | 8VM       |
| 600 | 11900                 | 5012P              | \$97,803  | RU   | ---              | ---      | ---  | 5012P             | \$121,568 | RUE  | \$2,448        | 8VM       |
| 700 | 11900                 | 5012P              | \$114,103 | RU   | ---              | ---      | ---  | 5012P             | \$141,826 | RUE  | \$2,854        | 8VM       |
| 800 | 13700                 | 5813P              | \$130,387 | RU   | ---              | ---      | ---  | 5813P             | \$163,007 | RUE  | \$3,258        | 8VM       |

The Open Motor Product Is Not Available Below 254 Frame, Use TEFC  
# Momentary Upthrust Capacity is 30% of Standard High Thrust Design  
& Standard Voltages Thru 405 Frame; 444 Frame & Larger, Single Voltage 460 or 575 is standard  
@Contact your Nidec Motor Corporation Technical Representative for WPII frame size confirmation prior to quoting.  
+ 11,900 LBS Down Thrust  
\* NRR = Non-Reverse Ratchet SRC = Self Release Coupling

See Page M-83 For Available And Alternate BD Dimensions

\* 60Hz 3600, 1800, 1200 & 900 RPM motors comply with U.S. D.O.E.'s Efficiency regulation 10 CFR Section 431 Subpart B – electric motors (See Page M-80 - M-81 for Nominal Efficiency Table)



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

**Three Phase Modifiable Motors**  
**Vertical HOLLOSHAFT®**  
**High Thrust - “P” Base**  
**Weather Protected Type I (WPI)**  
**6 Pole, 1200 RPM**



**APPLICATIONS:**

For use on Turbine, Mix Flow and Propeller Pumps

**FEATURES:**

- \* Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- \* 1.15 Service Factor (Sine Wave Power)
- \* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude
- \* NEMA Design “B”
- \* 3 Phase 60 Hz

**2300 Volt**

| HP    | Down Thrust (lbs) (#) | Standard Efficient |         |           |      | Premium Efficient |         |           |      | NRR List Adder | Disc. Sym |
|-------|-----------------------|--------------------|---------|-----------|------|-------------------|---------|-----------|------|----------------|-----------|
|       |                       | Frame              | BD (in) | SRC List  | Type | Frame             | BD (in) | SRC List  | Type |                |           |
| 150   | 11000                 | 449TP@             | 24.5    | \$39,185  | RU   | 449TP@            | 24.5    | \$45,061  | RUS  | \$1,761        | 8VM       |
| 200   | 11000                 | 449TP@             | 24.5    | \$45,373  | RU   | 449TP@            | 24.5    | \$52,178  | RUS  | \$1,761        | 8VM       |
| 250   | 11000                 | 449TP@             | 24.5    | \$53,927  | RU   | 449TP@            | 24.5    | \$62,016  | RUS  | \$1,831        | 8VM       |
| 300   | 11000                 | 5008P              | 24.5    | \$58,805  | RU   | 5008P             | 24.5    | \$67,627  | RUE  | \$1,890        | 8VM       |
| 350   | 11000                 | 5008P              | 24.5    | \$69,538  | RU   | 5008P             | 24.5    | \$79,967  | RUE  | \$2,120        | 8VM       |
| 400   | 11000                 | 5008P              | 24.5    | \$76,702  | RU   | 5012P+            | 24.5    | \$88,207  | RUE  | \$2,214        | 8VM       |
| 450   | 11000                 | 5008P              | 24.5    | \$83,986  | RU   | 5012P+            | 24.5    | \$96,582  | RUE  | \$2,343        | 8VM       |
| 500   | 11900                 | 5012P              | 24.5    | \$90,599  | RU   | 5012P             | 24.5    | \$104,188 | RUE  | \$2,531        | 8VM       |
| 600   | 11900                 | 5012P              | 24.5    | \$106,779 | RU   | 5012P             | 24.5    | \$122,796 | RUE  | \$2,608        | 8VM       |
| 700   | 11900                 | 5012P              | 24.5    | \$118,742 | RU   | 5012P             | 24.5    | \$136,552 | RUE  | \$4,991        | 8VM       |
| 800   | 13700                 | 5813P              | 30.5    | \$129,627 | RU   | 5813P             | 30.5    | \$149,073 | RUE  | \$5,502        | 8VM       |
| 900   | 13700                 | 5813P              | 30.5    | \$143,845 | RU   | 5813P             | 30.5    | \$165,420 | RUE  | \$5,777        | 8VM       |
| 1000  | 13700                 | 5813P              | 30.5    | \$156,491 | RU   | 5813P             | 30.5    | \$179,965 | RUE  | \$5,981        | 8VM       |
| 1250  | 13700                 | 5813P              | 30.5    | \$179,779 | RU   | 5813P             | 30.5    | \$206,746 | RUE  | \$6,099        | 8VM       |
| 1500  | 13700                 | 6810P              | 30.5    | \$204,862 | HU   | 6810P             | 30.5    | \$235,594 | HUE  | \$6,176        | 8VM       |
| 1750  | 11900                 | 6813P              | 30.5    | \$230,930 | RU   | 6813P             | 30.5    | \$265,570 | RUE  | \$6,305        | 9VM       |
| 2000  | 11900                 | 6813P              | 30.5    | \$263,908 | RU   | 6813P             | 30.5    | \$303,495 | RUE  | \$6,599        | 9VM       |
| 2250  | 11900                 | 6813P              | 30.5    | \$296,899 | RU   | 6813P             | 30.5    | \$341,432 | RUE  | \$7,420        | 9VM       |
| 2500  | 11900                 | 6813P              | 30.5    | \$329,885 | RU   | 6813P             | 30.5    | \$379,369 | RUE  | \$8,249        | 9VM       |
| 3000  | 10400                 | 9606PH             | 42      | \$370,129 | RU   | 9606PH            | 42      | \$425,648 | RUE  | \$9,995        | 9VM       |
| 3500  | 10400                 | 9607PH             | 42      | \$419,352 | RU   | 9607PH            | 42      | \$482,254 | RUE  | \$11,324       | 9VM       |
| 4000* | 10400                 | 9608PH             | 42      | \$479,732 | RU   | 9608PH            | 42      | \$551,692 | RUE  | \$12,953       | 9VM       |

# Momentary Upthrust Capacity is 30% of Standard High Thrust Design

+ 11,900 Lbs. Downthrust for 5012 Frame

\* Maximum Full Load Test Capacity Is 3500 HP

\* NRR = Non-Reverse Ratchet SRC = Self Release Coupling

@Contact your Nidec Motor Corporation Technical Representative for WPII frame size confirmation prior to quoting.

See Page M-83 For Available And Alternate BD Dimensions



**Three Phase Modifiable Motors**  
**Vertical HOLLOSHAFT®**  
**High Thrust - “P” Base**  
**Weather Protected Type I (WPI)**  
**6 Pole, 1200 RPM**

**VHS**  
**WPI**  
1200 RPM  
4160V

**APPLICATIONS:**

For use on Turbine, Mix Flow and Propeller Pumps

**FEATURES:**

- \* Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- \* 1.15 Service Factor (Sine Wave Power)
- \* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude

- \* NEMA Design “B”
- \* 3 Phase 60 Hz

**4160 Volt**

| HP    | Down Thrust (lbs) (#) | Standard Efficient |         |           |      | Premium Efficient |         |           |      | NRR List Adder | Disc. Sym |
|-------|-----------------------|--------------------|---------|-----------|------|-------------------|---------|-----------|------|----------------|-----------|
|       |                       | Frame              | BD (in) | SRC List  | Type | Frame             | BD (in) | SRC List  | Type |                |           |
| 150   | 11000                 | 449TP@             | 24.5    | \$49,526  | RU   | 449TP@            | 24.5    | \$56,955  | RUS  | \$1,761        | 8VM       |
| 200   | 11000                 | 5008P              | 24.5    | \$57,347  | RU   | 5008P             | 24.5    | \$65,951  | RUE  | \$1,831        | 8VM       |
| 250   | 11000                 | 5008P              | 24.5    | \$61,150  | RU   | 5008P             | 24.5    | \$70,324  | RUE  | \$1,831        | 8VM       |
| 300   | 11000                 | 5008P              | 24.5    | \$67,131  | RU   | 5008P             | 24.5    | \$77,202  | RUE  | \$1,890        | 8VM       |
| 350   | 11000                 | 5008P              | 24.5    | \$78,887  | RU   | 5008P             | 24.5    | \$90,723  | RUE  | \$2,120        | 8VM       |
| 400   | 11000                 | 5008P              | 24.5    | \$87,045  | RU   | 5012P+            | 24.5    | \$100,103 | RUE  | \$2,214        | 8VM       |
| 450   | 11000                 | 5008P              | 24.5    | \$94,401  | RU   | 5012P+            | 24.5    | \$108,563 | RUE  | \$2,343        | 8VM       |
| 500   | 11900                 | 5012P              | 24.5    | \$101,587 | RU   | 5012P             | 24.5    | \$116,826 | RUE  | \$2,531        | 8VM       |
| 600   | 11900                 | 5012P              | 24.5    | \$118,829 | RU   | 5012P             | 24.5    | \$136,655 | RUE  | \$2,608        | 8VM       |
| 700   | 11900                 | 5012P              | 24.5    | \$131,216 | RU   | 5012P             | 24.5    | \$150,899 | RUE  | \$4,991        | 8VM       |
| 800   | 13700                 | 5813P              | 30.5    | \$144,216 | RU   | 5813P             | 30.5    | \$165,847 | RUE  | \$5,502        | 8VM       |
| 900   | 13700                 | 5813P              | 30.5    | \$158,404 | RU   | 5813P             | 30.5    | \$182,167 | RUE  | \$5,777        | 8VM       |
| 1000  | 13700                 | 5813P              | 30.5    | \$171,406 | RU   | 5813P             | 30.5    | \$197,115 | RUE  | \$5,981        | 8VM       |
| 1250  | 13700                 | 5813P              | 30.5    | \$193,357 | RU   | 5813P             | 30.5    | \$222,359 | RUE  | \$6,099        | 8VM       |
| 1500  | 13700                 | 6810P              | 30.5    | \$220,331 | HU   | 6810P             | 30.5    | \$253,380 | HUE  | \$6,176        | 8VM       |
| 1750  | 11900                 | 6813P              | 30.5    | \$249,404 | RU   | 6813P             | 30.5    | \$286,817 | RUE  | \$6,305        | 9VM       |
| 2000  | 11900                 | 6813P              | 30.5    | \$285,021 | RU   | 6813P             | 30.5    | \$327,772 | RUE  | \$6,599        | 9VM       |
| 2250  | 11900                 | 6813P              | 30.5    | \$320,505 | RU   | 6813P             | 30.5    | \$368,580 | RUE  | \$7,420        | 9VM       |
| 2500  | 11900                 | 6813P              | 30.5    | \$356,277 | RU   | 6813P             | 30.5    | \$409,718 | RUE  | \$8,249        | 9VM       |
| 3000  | 10400                 | 9606PH             | 42      | \$399,739 | RU   | 9606PH            | 42      | \$459,702 | RUE  | \$9,995        | 9VM       |
| 3500  | 10400                 | 9607PH             | 42      | \$452,899 | RU   | 9607PH            | 42      | \$520,833 | RUE  | \$11,324       | 9VM       |
| 4000* | 10400                 | 9608PH             | 42      | \$518,110 | RU   | 9608PH            | 42      | \$595,829 | RUE  | \$12,953       | 9VM       |

# Momentary Upthrust Capacity is 30% of Standard High Thrust Design

+ 11,900 Lbs. Downthrust for 5012 Frame

\* Maximum Full Load Test Capacity is 3500 HP

\* NRR = Non-Reverse Ratchet SRC = Self Release Coupling

@Contact your Nidec Motor Corporation Technical Representative for WPII frame size confirmation prior to quoting.

See Page M-83 For Available And Alternate BD Dimensions





## Three Phase Modifiable Motors

### Vertical HOLLOSHAFT®

### High Thrust - "P" Base

### Weather Protected Type I (WPI)

### 8 Pole, 900 RPM

**VHS**  
**WPI**  
900 RPM  
460V

#### APPLICATIONS:

For use on Turbine, Mix Flow and Propeller Pumps

#### FEATURES:

- \* Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- \* 1.15 Service Factor (Sine Wave Power)
- \* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude

- \* NEMA Design "B"
- \* 3 Phase 60 Hz

#### 200, 230/460, 575 Volts (&)

| HP  | Down Thrust (lbs) (#) | Standard Efficient |           |      | Energy Efficient |           |      | Premium Efficient |           |      | NRR List Adder | Disc. Sym |
|-----|-----------------------|--------------------|-----------|------|------------------|-----------|------|-------------------|-----------|------|----------------|-----------|
|     |                       | Frame              | SRC List  | Type | Frame            | SRC List  | Type | Frame             | SRC List  | Type |                |           |
| 5   | 4200                  | 254TP              | \$3,352   | AU   | 254TP            | \$4,221   | AUE  | 254TP             | \$4,474   | AUS  | \$333          | 7VM       |
| 7.5 | 4200                  | 256TP              | \$3,859   | AU   | 256TP            | \$4,728   | AUE  | 256TP             | \$5,012   | AUS  | \$385          | 7VM       |
| 10  | 4200                  | 284TP              | \$4,268   | AU   | 284TP            | \$5,390   | AUE  | 284TP             | \$5,713   | AUS  | \$427          | 7VM       |
| 15  | 4200                  | 286TP              | \$5,432   | AU   | 286TP            | \$6,554   | AUE  | 286TP             | \$6,947   | AUS  | \$540          | 7VM       |
| 20  | 7400                  | 324TP              | \$6,366   | RU   | 324TP            | \$7,833   | RUE  | 324TP             | \$8,225   | RUS  | \$563          | 7VM       |
| 25  | 7400                  | 326TP              | \$7,333   | RU   | 326TP            | \$8,800   | RUE  | 326TP             | \$9,239   | RUS  | \$643          | 7VM       |
| 30  | 7400                  | 364TP              | \$8,225   | RU   | 364TP            | \$10,829  | RUE  | 364TP             | \$11,371  | RUS  | \$728          | 7VM       |
| 40  | 7400                  | 365TP              | \$9,915   | RU   | 365TP            | \$12,519  | RUE  | 365TP             | \$13,146  | RUS  | \$873          | 7VM       |
| 50  | 8600                  | 404TP              | \$11,300  | RU   | 404TP            | \$14,918  | RUE  | 404TP             | \$15,664  | RUS  | \$995          | 7VM       |
| 60  | 8600                  | 405TP              | \$13,033  | RU   | 405TP            | \$16,650  | RUE  | 405TP             | \$17,484  | RUS  | \$1,150        | 7VM       |
| 75  | 12500                 | H444TP             | \$15,197  | RU   | H444TP           | \$19,023  | RUE  | H444TP            | \$19,974  | RUS  | \$1,164        | 7VM       |
| 100 | 12500                 | H445TP             | \$20,329  | RU   | H445TP           | \$24,439  | RUE  | H445TP            | \$25,662  | RUS  | \$1,554        | 7VM       |
| 125 | 12500                 | 447TP@             | \$28,461  | RU   | 447TP@           | \$34,215  | RUE  | 447TP@            | \$35,927  | RUS  | \$1,937        | 7VM       |
| 150 | 12500                 | 447TP@             | \$32,018  | RU   | 447TP@           | \$38,491  | RUE  | 447TP@            | \$40,418  | RUS  | \$1,937        | 7VM       |
| 200 | 12000                 | 449TP@             | \$43,387  | RU   | 449TP@           | \$47,166  | RU   | 449TP@            | \$49,648  | RUS  | \$1,981        | 8VM       |
| 250 | 12000                 | 5008P              | \$52,472  | RU   | 5008P            | \$57,063  | RU   | 5008P             | \$60,066  | RUE  | \$2,011        | 8VM       |
| 300 | 13200                 | 5012P              | \$61,779  | RU   | 5012P            | \$67,058  | RU   | 5012P             | \$70,587  | RUE  | \$2,054        | 8VM       |
| 350 | 13200                 | 5012P              | \$71,655  | RU   | 5012P            | \$77,987  | RU   | 5012P             | \$82,092  | RUE  | \$2,230        | 8VM       |
| 400 | 13200                 | 5012P              | \$81,174  | RU   | 5012P            | \$88,361  | RU   | 5012P             | \$93,012  | RUE  | \$2,265        | 8VM       |
| 450 | 13200                 | 5012P              | \$90,629  | RU   | 5012P            | \$98,653  | RU   | 5012P             | \$103,845 | RUE  | \$2,531        | 8VM       |
| 500 | 13200                 | 5012P              | \$99,678  | RU   | 5012P            | \$108,578 | RU   | 5012P             | \$114,293 | RUE  | \$3,516        | 8VM       |
| 600 | 15000                 | 5813P              | \$131,596 | RU   | ---              | ---       | ---  | 5813P             | \$149,117 | RUE  | \$4,608        | 8VM       |
| 700 | 15000                 | 5813P              | \$146,962 | RU   | ---              | ---       | ---  | 5813P             | \$167,425 | RUE  | \$5,143        | 8VM       |
| 800 | 15000                 | 5813P              | \$167,958 | RU   | ---              | ---       | ---  | 5813P             | \$191,340 | RUE  | \$5,878        | 8VM       |

The Open Motor Product Is Not Available Below 254 Frame, Use TEFC  
# Momentary Upthrust Capacity is 30% of Standard High Thrust Design  
& Standard Voltages Thru 404 Frame; 405 Frame & Larger, Single Voltage 460 or 575 standard  
@Contact your Nidec Motor Corporation Technical Representative for WPII frame size confirmation prior to quoting.  
+ 13,200 Lbs. Downthrust  
\* NRR = Non-Reverse Ratchet SRC = Self Release Coupling

\* 60Hz 3600, 1800, 1200 & 900 RPM motors comply with U.S. D.O.E.'s Efficiency regulation 10 CFR Section 431 Subpart B – electric motors (See Page M-80 - M-81 for Nominal Efficiency Table)

See Page M-83 For Available And Alternate BD Dimensions



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**Three Phase Modifiable Motors**  
**Vertical HOLLOSHAFT®**  
**High Thrust - “P” Base**  
**Weather Protected Type I (WPI)**  
**8 Pole, 900 RPM**

**VHS**  
**WPI**  
900 RPM  
2300V

**APPLICATIONS:**

For use on Turbine, Mix Flow and Propeller Pumps

**FEATURES:**

\* Class F Insulation, Class B Rise at Full Load (Sine Wave Power)

\* NEMA Design “B”

\* 1.15 Service Factor (Sine Wave Power)

\* 3 Phase 60 Hz

\* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude

**2300 Volt**

| HP   | Down Thrust (lbs) (#) | Standard Efficient |         |           |      | Premium Efficient |         |           |      | NRR List Adder | Disc. Sym |
|------|-----------------------|--------------------|---------|-----------|------|-------------------|---------|-----------|------|----------------|-----------|
|      |                       | Frame              | BD (in) | SRC List  | Type | Frame             | BD (in) | SRC List  | Type |                |           |
| 150  | 12000                 | 449TP@             | 24.5    | \$44,995  | RU   | 449TP@            | 24.5    | \$51,744  | RUS  | \$1,995        | 8VM       |
| 200  | 12000                 | 5008P              | 24.5    | \$55,737  | RU   | 5008P             | 24.5    | \$64,096  | RUE  | \$2,009        | 8VM       |
| 250  | 12000                 | 5008P              | 24.5    | \$66,585  | RU   | 5012P+            | 24.5    | \$76,573  | RUE  | \$2,049        | 8VM       |
| 300  | 13200                 | 5012P              | 24.5    | \$75,653  | RU   | 5012P             | 24.5    | \$86,998  | RUE  | \$2,167        | 8VM       |
| 350  | 13200                 | 5012P              | 24.5    | \$84,772  | RU   | 5012P             | 24.5    | \$97,488  | RUE  | \$2,366        | 8VM       |
| 400  | 13200                 | 5012P              | 24.5    | \$93,697  | RU   | 5012P             | 24.5    | \$107,754 | RUE  | \$2,617        | 8VM       |
| 450  | 13200                 | 5012P              | 24.5    | \$101,838 | RU   | 5012P             | 24.5    | \$117,113 | RUE  | \$2,840        | 8VM       |
| 500  | 13200                 | 5012P              | 24.5    | \$118,296 | RU   | 5012P             | 24.5    | \$136,040 | RUE  | \$3,516        | 8VM       |
| 600  | 15000                 | 5813P              | 30.5    | \$130,883 | RU   | 5813P             | 30.5    | \$150,516 | RUE  | \$3,521        | 8VM       |
| 700  | 15000                 | 5813P              | 30.5    | \$141,617 | RU   | 5813P             | 30.5    | \$162,859 | RUE  | \$3,695        | 8VM       |
| 800  | 15000                 | 5813P              | 30.5    | \$154,930 | RU   | 5813P             | 30.5    | \$178,169 | RUE  | \$3,979        | 8VM       |
| 900  | 15000                 | 5813P              | 30.5    | \$170,162 | RU   | 5813P             | 30.5    | \$195,688 | RUE  | \$4,096        | 8VM       |
| 1000 | 15000                 | 5813P              | 30.5    | \$182,777 | RU   | 5813P             | 30.5    | \$210,195 | RUE  | \$4,343        | 8VM       |
| 1250 | 15000                 | 6810P              | 30.5    | \$205,552 | HU   | 6810P~            | 30.5    | \$236,385 | HUE  | \$5,138        | 8VM       |
| 1500 | 13100                 | 6813P              | 30.5    | \$238,261 | RU   | 6813P             | 30.5    | \$274,000 | RUE  | \$6,254        | 9VM       |
| 1750 | 13100                 | 6813P              | 30.5    | \$270,153 | RU   | 6813P             | 30.5    | \$310,676 | RUE  | \$7,296        | 9VM       |
| 2000 | 13100                 | 6813P              | 30.5    | \$308,744 | RU   | 6813P             | 30.5    | \$355,056 | RUE  | \$8,336        | 9VM       |
| 2250 | 13100                 | 8011PH             | 42      | \$347,336 | RU   | 8011PH~           | 42      | \$399,437 | RUE  | \$9,380        | 9VM       |
| 2500 | 12100                 | 9605PH             | 42      | \$385,930 | RU   | 9605PH            | 42      | \$443,822 | RUE  | \$10,420       | 9VM       |
| 3000 | 12100                 | 9607PH             | 42      | \$433,012 | RU   | 9607PH            | 42      | \$497,965 | RUE  | \$11,690       | 9VM       |
| 3500 | 12100                 | 9608PH             | 42      | \$490,596 | RU   | 9608PH            | 42      | \$564,185 | RUE  | \$13,246       | 9VM       |

# Momentary Upthrust Capacity is 30% of Standard High Thrust Design

+ 13,200 Lbs. Downthrust for 5012 Frame

~ Not For WPII Enclosure

\* NRR = Non-Reverse Ratchet SRC = Self Release Coupling

@Contact your Nidec Motor Corporation Technical Representative for WPII frame size confirmation prior to quoting.

See Page M-83 For Available And Alternate BD Dimensions



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**Three Phase Modifiable Motors**  
**Vertical HOLLOSHAFT®**  
**High Thrust - "P" Base**  
**Weather Protected Type I (WPI)**  
**8 Pole, 900 RPM**



**APPLICATIONS:**

For use on Turbine, Mix Flow and Propeller Pumps

**FEATURES:**

- \* Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- \* 1.15 Service Factor (Sine Wave Power)
- \* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude
- \* NEMA Design "B"
- \* 3 Phase 60 Hz

**4160 Volt**

| HP   | Down Thrust (lbs) (#) | Standard Efficient |         |           |      | Premium Efficient |         |           |      | NRR List Adder | Disc. Sym |
|------|-----------------------|--------------------|---------|-----------|------|-------------------|---------|-----------|------|----------------|-----------|
|      |                       | Frame              | BD (in) | SRC List  | Type | Frame             | BD (in) | SRC List  | Type |                |           |
| 150  | 12000                 | 449TP@             | 24.5    | \$63,178  | RU   | 449TP@            | 24.5    | \$72,655  | RUS  | \$1,995        | 8VM       |
| 200  | 12000                 | 5008P              | 24.5    | \$65,282  | RU   | 5008P             | 24.5    | \$75,073  | RUE  | \$2,009        | 8VM       |
| 250  | 12000                 | 5008P              | 24.5    | \$75,484  | RU   | 5012P+            | 24.5    | \$86,808  | RUE  | \$2,049        | 8VM       |
| 300  | 13200                 | 5012P              | 24.5    | \$85,793  | RU   | 5012P             | 24.5    | \$98,662  | RUE  | \$2,178        | 8VM       |
| 350  | 13200                 | 5012P              | 24.5    | \$94,249  | RU   | 5012P             | 24.5    | \$108,387 | RUE  | \$2,366        | 8VM       |
| 400  | 13200                 | 5012P              | 24.5    | \$104,174 | RU   | 5012P             | 24.5    | \$119,798 | RUE  | \$2,617        | 8VM       |
| 450  | 13200                 | 5012P              | 24.5    | \$113,223 | RU   | 5012P             | 24.5    | \$130,207 | RUE  | \$2,840        | 8VM       |
| 500  | 13200                 | 5012P              | 24.5    | \$131,678 | RU   | 5012P             | 24.5    | \$151,430 | RUE  | \$3,516        | 8VM       |
| 600  | 15000                 | 5813P              | 30.5    | \$145,690 | RU   | 5813P             | 30.5    | \$167,545 | RUE  | \$3,521        | 8VM       |
| 700  | 15000                 | 5813P              | 30.5    | \$157,195 | RU   | 5813P             | 30.5    | \$180,775 | RUE  | \$3,695        | 8VM       |
| 800  | 15000                 | 5813P              | 30.5    | \$171,972 | RU   | 5813P             | 30.5    | \$197,770 | RUE  | \$3,979        | 8VM       |
| 900  | 15000                 | 5813P              | 30.5    | \$188,880 | RU   | 5813P             | 30.5    | \$217,214 | RUE  | \$4,096        | 8VM       |
| 1000 | 15000                 | 5813P              | 30.5    | \$202,876 | RU   | 5813P             | 30.5    | \$233,308 | RUE  | \$4,343        | 8VM       |
| 1250 | 13100                 | 6813P              | 30.5    | \$224,070 | RU   | 6813P             | 30.5    | \$257,678 | RUE  | \$5,138        | 9VM       |
| 1500 | 13100                 | 6813P              | 30.5    | \$255,117 | RU   | 6813P             | 30.5    | \$293,385 | RUE  | \$6,254        | 9VM       |
| 1750 | 13100                 | 6813P              | 30.5    | \$291,763 | RU   | 6813P             | 30.5    | \$335,528 | RUE  | \$7,296        | 9VM       |
| 2000 | 13100                 | 6813P              | 30.5    | \$333,446 | RU   | 6813P             | 30.5    | \$383,462 | RUE  | \$8,336        | 9VM       |
| 2250 | 12100                 | 9606PH             | 42      | \$375,124 | RU   | 9606PH            | 42      | \$431,392 | RUE  | \$9,380        | 9VM       |
| 2500 | 12100                 | 9606PH             | 42      | \$416,805 | RU   | 9607PH            | 42      | \$479,326 | RUE  | \$10,420       | 9VM       |
| 3000 | 12100                 | 9607PH             | 42      | \$467,650 | RU   | 9607PH            | 42      | \$537,796 | RUE  | \$11,690       | 9VM       |
| 3500 | 12100                 | 9608PH             | 42      | \$529,843 | RU   | 9608PH            | 42      | \$609,317 | RUE  | \$13,246       | 9VM       |

# Momentary Upthrust Capacity is 30% of Standard High Thrust Design

+ 13,200 Lbs. Downthrust for 5012 Frame

~ Not For WP11 Enclosure

\* NRR = Non-Reverse Ratchet SRC = Self Release Coupling

@Contact your Nidec Motor Corporation Technical Representative for WP11 frame size confirmation prior to quoting.

See Page M-83 For Available And Alternate BD Dimensions



**Three Phase Modifiable Motors**  
**Vertical HOLLOSHAFT®**  
**High Thrust - “P” Base**  
**Weather Protected Type I (WPI)**  
**10 Pole, 720 RPM**

**VHS**  
**WPI**  
720 RPM  
460V

**APPLICATIONS:**

For use on Turbine, Mix Flow and Propeller Pumps

**FEATURES:**

- \* Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- \* 1.15 Service Factor (Sine Wave Power)
- \* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude

- \* NEMA Design “B”
- \* 3 Phase 60 Hz

**200, 230/460 575 Volts (&)**

| HP  | Down Thrust (lbs) (#) | Standard Efficient |           |      | Energy Efficient |          |      | Premium Efficient |           |      | NRR List Adder | Disc. Sym |
|-----|-----------------------|--------------------|-----------|------|------------------|----------|------|-------------------|-----------|------|----------------|-----------|
|     |                       | Frame              | SRC List  | Type | Frame            | SRC List | Type | Frame             | SRC List  | Type |                |           |
| 15  | 8000                  | 326TP              | \$7,606   | RU   | 326TP            | \$8,671  | RUE  | 326TP             | \$9,106   | RUS  | \$685          | 7VM       |
| 20  | 8000                  | 364TP              | \$8,913   | RU   | 364TP            | \$10,162 | RUE  | 364TP             | \$10,669  | RUS  | \$803          | 7VM       |
| 25  | 8000                  | 365TP              | \$10,268  | RU   | 365TP            | \$11,704 | RUE  | 365TP             | \$12,291  | RUS  | \$925          | 7VM       |
| 30  | 9300                  | 404TP              | \$11,516  | RU   | 404TP            | \$13,129 | RUE  | 404TP             | \$13,786  | RUS  | \$1,038        | 7VM       |
| 40  | 9300                  | 405TP              | \$13,878  | RU   | 405TP            | \$15,815 | RUE  | 405TP             | \$16,606  | RUS  | \$1,225        | 7VM       |
| 50  | 13500                 | H444TP             | \$16,033  | RU   | H444TP           | \$18,277 | RUE  | H444TP            | \$19,190  | RUS  | \$1,230        | 7VM       |
| 60  | 13500                 | H445TP             | \$17,671  | RU   | H445TP           | \$20,239 | RUE  | H445TP            | \$21,251  | RUS  | \$1,526        | 7VM       |
| 75  | 13500                 | H445TP             | \$21,878  | RU   | H445TP           | \$24,941 | RUE  | H445TP            | \$26,188  | RUS  | \$1,671        | 7VM       |
| 100 | 13500                 | 447TP@             | \$30,629  | RU   | ---              | ---      | ---  | 447TP@            | \$36,663  | RUS  | \$1,873        | 7VM       |
| 125 | 13500                 | 447TP@             | \$34,458  | RU   | ---              | ---      | ---  | 447TP@            | \$41,246  | RUS  | \$1,897        | 7VM       |
| 150 | 13000                 | 449TP@             | \$49,984  | RU   | ---              | ---      | ---  | 449TP@            | \$57,157  | RUE  | \$2,000        | 9VM       |
| 200 | 13000                 | 5008P              | \$64,326  | RU   | ---              | ---      | ---  | 5008P             | \$73,613  | RUE  | \$2,354        | 9VM       |
| 250 | 14100                 | 5012P              | \$69,685  | RU   | ---              | ---      | ---  | 5012P             | \$79,796  | RUE  | \$2,425        | 9VM       |
| 300 | 14100                 | 5012P              | \$75,047  | RU   | ---              | ---      | ---  | 5012P             | \$85,981  | RUE  | \$2,495        | 9VM       |
| 350 | 14100                 | 5012P              | \$86,063  | RU   | ---              | ---      | ---  | 5012P             | \$98,613  | RUE  | \$2,671        | 9VM       |
| 400 | 16300                 | 5813P              | \$125,279 | RU   | ---              | ---      | ---  | 5813P             | \$143,601 | RUE  | \$3,756        | 9VM       |
| 450 | 16300                 | 5813P              | \$138,077 | RU   | ---              | ---      | ---  | 5813P             | \$158,272 | RUE  | \$4,143        | 9VM       |
| 500 | 16300                 | 5813P              | \$141,286 | RU   | ---              | ---      | ---  | 5813P             | \$161,946 | RUE  | \$4,239        | 9VM       |
| 600 | 16300                 | 5813P              | \$169,014 | RU   | ---              | ---      | ---  | 5813P             | \$193,732 | RUE  | \$5,070        | 9VM       |
| 700 | 16300                 | 5813P              | \$197,183 | RU   | ---              | ---      | ---  | 5813P             | \$226,021 | RUE  | \$6,181        | 9VM       |
| 800 | 16300                 | 5813P              | \$225,352 | RU   | ---              | ---      | ---  | 5813P             | \$258,310 | RUE  | \$6,761        | 9VM       |

# Momentary Upthrust Capacity is 30% of Standard High Thrust Design

& Standard Voltages Thru 404 Frame; 405 Frame & Larger, Single Voltage 460 or 575 standard

@Contact your Nidec Motor Corporation Technical Representative for WPII frame size confirmation prior to quoting.

\* NRR = Non-Reverse Ratchet SRC= Self Release Coupling

See Page M-83 For Available And Alternate BD Dimensions



**Three Phase Modifiable Motors**  
**Vertical HOLLOSHAFT®**  
**High Thrust - "P" Base**  
**Weather Protected Type I (WPI)**  
**10 Pole, 720 RPM**

**VHS**  
**WPI**  
720 RPM  
2300V

**APPLICATIONS:**

For use on Turbine, Mix Flow and Propeller Pumps

**FEATURES:**

- \* Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- \* 1.15 Service Factor (Sine Wave Power)
- \* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude
- \* NEMA Design "B"
- \* 3 Phase 60 Hz

**2300 Volt**

| HP   | Down Thrust (lbs) (#) | Standard Efficient |         |           |      | Premium Efficient |         |           |      | NRR List Adder | Disc. Sym |
|------|-----------------------|--------------------|---------|-----------|------|-------------------|---------|-----------|------|----------------|-----------|
|      |                       | Frame              | BD (in) | SRC List  | Type | Frame             | BD (in) | SRC List  | Type |                |           |
| 150  | 13000                 | 5008P              | 24.5    | \$58,822  | RU   | 5008P             | 24.5    | \$67,643  | RUE  | \$2,439        | 9VM       |
| 200  | 13000                 | 5008P              | 24.5    | \$72,413  | RU   | 5008P             | 24.5    | \$83,275  | RUE  | \$2,439        | 9VM       |
| 250  | 14100                 | 5012P              | 24.5    | \$75,653  | RU   | 5012P             | 24.5    | \$86,998  | RUE  | \$2,671        | 9VM       |
| 300  | 14100                 | 5012P              | 24.5    | \$87,143  | RU   | 5012P             | 24.5    | \$100,214 | RUE  | \$2,721        | 9VM       |
| 350  | 14100                 | 5012P              | 24.5    | \$98,157  | RU   | 5012P             | 24.5    | \$112,883 | RUE  | \$3,070        | 9VM       |
| 400  | 16300                 | 5813P              | 30.5    | \$119,411 | RU   | 5813P             | 30.5    | \$137,322 | RUE  | \$3,331        | 9VM       |
| 450  | 16300                 | 5813P              | 30.5    | \$132,209 | RU   | 5813P             | 30.5    | \$152,042 | RUE  | \$3,700        | 9VM       |
| 500  | 16300                 | 5813P              | 30.5    | \$135,418 | RU   | 5813P             | 30.5    | \$155,728 | RUE  | \$3,793        | 9VM       |
| 600  | 16300                 | 5813P              | 30.5    | \$163,146 | RU   | 5813P             | 30.5    | \$187,617 | RUE  | \$4,568        | 9VM       |
| 700  | 16300                 | 5813P              | 30.5    | \$166,864 | RU   | 5813P             | 30.5    | \$191,892 | RUE  | \$4,577        | 9VM       |
| 800  | 16300                 | 5813P              | 30.5    | \$183,768 | RU   | 5813P             | 30.5    | \$211,333 | RUE  | \$4,948        | 9VM       |
| 900  | 14100                 | 6813P              | 30.5    | \$200,655 | RU   | 6813P             | 30.5    | \$230,751 | RUE  | \$5,326        | 9VM       |
| 1000 | 14100                 | 6813P              | 30.5    | \$217,430 | RU   | 6813P             | 30.5    | \$250,045 | RUE  | \$5,946        | 9VM       |
| 1250 | 14100                 | 6813P              | 30.5    | \$249,460 | RU   | 6813P             | 30.5    | \$286,878 | RUE  | \$6,556        | 9VM       |
| 1500 | 14100                 | 6813P              | 30.5    | \$289,369 | RU   | 6813P             | 30.5    | \$332,777 | RUE  | \$7,608        | 9VM       |
| 1750 | 14100                 | 8011PH             | 42      | \$329,279 | RU   | 8011PH~           | 42      | \$378,671 | RUE  | \$8,653        | 9VM       |
| 2000 | 13500                 | 9606PH             | 42      | \$369,197 | RU   | 9606PH            | 42      | \$424,575 | RUE  | \$9,892        | 9VM       |
| 2250 | 13500                 | 9606PH             | 42      | \$405,354 | RU   | 9606PH            | 42      | \$466,160 | RUE  | \$11,099       | 9VM       |
| 2500 | 13500                 | 9607PH             | 42      | \$445,930 | RU   | 9607PH            | 42      | \$512,819 | RUE  | \$12,453       | 9VM       |

# Momentary Upthrust Capacity is 30% of Standard High Thrust Design

~ Not For WP11 Enclosure

\* NRR = Non-Reverse Ratchet SRC = Self Release Coupling

See Page M-83 For Available And Alternate BD Dimensions



**Three Phase Modifiable Motors**  
**Vertical HOLLOSHAFT®**  
**High Thrust - “P” Base**  
**Weather Protected Type I (WPI)**  
**10 Pole, 720 RPM**

**VHS**  
**WPI**  
720 RPM  
4160V

**APPLICATIONS:**

For use on Turbine, Mix Flow and Propeller Pumps

**FEATURES:**

- \* Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- \* 1.15 Service Factor (Sine Wave Power)
- \* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude

\* NEMA Design “B”

\* 3 Phase 60 Hz

**4160 Volt**

| HP   | Down Thrust (lbs) (#) | Standard Efficient |         |           |      | Premium Efficient |         |           |      | NRR List Adder | Disc. Sym |
|------|-----------------------|--------------------|---------|-----------|------|-------------------|---------|-----------|------|----------------|-----------|
|      |                       | Frame              | BD (in) | SRC List  | Type | Frame             | BD (in) | SRC List  | Type |                |           |
| 150  | 13000                 | 5008P              | 24.5    | \$71,324  | RU   | 5008P             | 24.5    | \$82,021  | RUE  | \$2,439        | 9VM       |
| 200  | 14100                 | 5012P              | 24.5    | \$81,101  | RU   | 5012P             | 24.5    | \$93,265  | RUE  | \$2,439        | 9VM       |
| 250  | 14100                 | 5012P              | 24.5    | \$84,730  | RU   | 5012P             | 24.5    | \$97,439  | RUE  | \$2,671        | 9VM       |
| 300  | 14100                 | 5012P              | 24.5    | \$97,601  | RU   | 5012P             | 24.5    | \$112,239 | RUE  | \$2,721        | 9VM       |
| 350  | 14100                 | 5012P              | 24.5    | \$114,972 | RU   | 5012P             | 24.5    | \$132,216 | RUE  | \$3,070        | 9VM       |
| 400  | 16300                 | 5813P              | 30.5    | \$133,739 | RU   | 5813P             | 30.5    | \$153,800 | RUE  | \$3,331        | 9VM       |
| 450  | 16300                 | 5813P              | 30.5    | \$148,075 | RU   | 5813P             | 30.5    | \$170,289 | RUE  | \$3,700        | 9VM       |
| 500  | 16300                 | 5813P              | 30.5    | \$151,667 | RU   | 5813P             | 30.5    | \$174,415 | RUE  | \$3,793        | 9VM       |
| 600  | 16300                 | 5813P              | 30.5    | \$182,723 | RU   | 5813P             | 30.5    | \$210,131 | RUE  | \$4,568        | 9VM       |
| 700  | 16300                 | 5813P              | 30.5    | \$185,939 | RU   | 5813P             | 30.5    | \$213,829 | RUE  | \$4,577        | 9VM       |
| 800  | 16300                 | 5813P              | 30.5    | \$202,836 | RU   | 5813P             | 30.5    | \$233,261 | RUE  | \$4,948        | 9VM       |
| 900  | 14100                 | 6813P              | 30.5    | \$221,488 | RU   | 6813P             | 30.5    | \$254,709 | RUE  | \$5,326        | 9VM       |
| 1000 | 14100                 | 6813P              | 30.5    | \$237,754 | RU   | 6813P             | 30.5    | \$273,415 | RUE  | \$5,946        | 9VM       |
| 1250 | 14100                 | 6813P              | 30.5    | \$271,934 | RU   | 6813P             | 30.5    | \$312,723 | RUE  | \$6,556        | 9VM       |
| 1500 | 14100                 | 6813P              | 30.5    | \$308,920 | RU   | 6813P             | 30.5    | \$355,258 | RUE  | \$7,608        | 9VM       |
| 1750 | 13500                 | 9606PH             | 42      | \$351,528 | RU   | 9606PH            | 42      | \$404,258 | RUE  | \$8,653        | 9VM       |
| 2000 | 13500                 | 9606PH             | 42      | \$395,681 | RU   | 9606PH            | 42      | \$455,033 | RUE  | \$9,892        | 9VM       |
| 2250 | 13500                 | 9607PH             | 42      | \$443,951 | RU   | 9607PH            | 42      | \$510,542 | RUE  | \$11,099       | 9VM       |
| 2500 | 13500                 | 9608PH             | 42      | \$498,108 | RU   | 9608PH            | 42      | \$572,824 | RUE  | \$12,453       | 9VM       |

# Momentary Upthrust Capacity is 30% of Standard High Thrust Design

~ Not For WPII Enclosure

\* NRR = Non-Reverse Ratchet SRC = Self Release Coupling

See Page M-83 For Available And Alternate BD Dimensions



**Three Phase Modifiable Motors**  
**Vertical HOLLOSHAFT®**  
**High Thrust - "P" Base**  
**Weather Protected Type I (WPI)**  
**12 Pole, 600 RPM**



**APPLICATIONS:**

For use on Turbine, Mix Flow and Propeller Pumps

**FEATURES:**

- \* Class F Insulation, Class B Rise at Full Load (Since Wave Power)
- \* 1.15 Service Factor (Sine Wave Power)
- \* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude
- \* NEMA Design "B"
- \* 3 Phase 60 Hz

**460 or 575 Volt**

| HP  | Down Thrust (lbs) (#) | Standard Efficient |           |      | Energy Efficient |          |      | Premium Efficient |           |      | NRR List Adder | Disc. Sym |
|-----|-----------------------|--------------------|-----------|------|------------------|----------|------|-------------------|-----------|------|----------------|-----------|
|     |                       | Frame              | SRC List  | Type | Frame            | SRC List | Type | Frame             | SRC List  | Type |                |           |
| 10  | 8500                  | 326TP              | \$7,467   | RU   | 326TP            | \$8,512  | RUE  | 326TP             | \$8,939   | RUS  | \$674          | 7VM       |
| 15  | 8500                  | 364TP              | \$9,507   | RU   | 364TP            | \$10,934 | RUE  | 364TP             | \$11,479  | RUS  | \$857          | 7VM       |
| 20  | 8500                  | 365TP              | \$11,141  | RU   | 365TP            | \$12,700 | RUE  | 365TP             | \$13,336  | RUS  | \$1,002        | 7VM       |
| 25  | 9900                  | 404TP              | \$12,836  | RU   | 404TP            | \$14,634 | RUE  | 404TP             | \$15,364  | RUS  | \$1,155        | 7VM       |
| 30  | 9900                  | 405TP              | \$14,397  | RU   | 405TP            | \$16,413 | RUE  | 405TP             | \$17,232  | RUS  | \$1,293        | 7VM       |
| 40  | 14400                 | H444TP             | \$17,070  | RU   | H444TP           | \$19,460 | RUE  | H444TP            | \$20,434  | RUS  | \$1,305        | 7VM       |
| 50  | 14400                 | H445TP             | \$19,934  | RU   | H445TP           | \$22,723 | RUE  | H445TP            | \$23,859  | RUS  | \$1,526        | 7VM       |
| 60  | 14400                 | 447TP@             | \$29,237  | RU   | ---              | ---      | ---  | 447TP@            | \$33,329  | RUS  | \$1,789        | 7VM       |
| 75  | 14400                 | 447TP@             | \$34,467  | RU   | ---              | ---      | ---  | 447TP@            | \$39,385  | RUS  | \$1,803        | 7VM       |
| 100 | 13600                 | 449TP@             | \$43,293  | RU   | ---              | ---      | ---  | 449TP@            | \$49,507  | RUS  | \$1,901        | 9VM       |
| 125 | 13600                 | 449TP@             | \$52,007  | RU   | ---              | ---      | ---  | 449TP@            | \$59,514  | RUS  | \$1,901        | 9VM       |
| 150 | 13600                 | 5008P              | \$59,777  | RU   | ---              | ---      | ---  | 5008P             | \$68,406  | RUE  | \$2,190        | 9VM       |
| 200 | 15100                 | 5012P              | \$75,629  | RU   | ---              | ---      | ---  | 5012P             | \$86,587  | RUE  | \$2,202        | 9VM       |
| 250 | 15100                 | 5012P              | \$77,331  | RU   | ---              | ---      | ---  | 5012P             | \$88,547  | RUE  | \$2,225        | 9VM       |
| 300 | 15100                 | 5012P              | \$89,977  | RU   | ---              | ---      | ---  | 5012P             | \$103,096 | RUE  | \$2,512        | 9VM       |
| 350 | 17300                 | 5813P              | \$122,765 | RU   | ---              | ---      | ---  | 5813P             | \$141,181 | RUE  | \$2,948        | 9VM       |
| 400 | 17300                 | 5813P              | \$139,857 | RU   | ---              | ---      | ---  | 5813P             | \$160,833 | RUE  | \$3,364        | 9VM       |
| 450 | 17300                 | 5813P              | \$154,615 | RU   | ---              | ---      | ---  | 5813P             | \$177,808 | RUE  | \$3,718        | 9VM       |
| 500 | 17300                 | 5813P              | \$171,516 | RU   | ---              | ---      | ---  | 5813P             | \$197,244 | RUE  | \$4,397        | 9VM       |

# Momentary Upthrust Capacity is 30% of Standard High Thrust Design

+ 15,100 Lbs. Downthrust for 5012 Frame

@Contact your Nidec Motor Corporation Technical Representative for WPII frame size confirmation prior to quoting.

\* NRR = Non-Reverse Ratchet SRC = Self Release Coupling

See Page M-83 For Available And Alternate BD Dimensions



**Three Phase Modifiable Motors**  
**Vertical HOLLOSHAFT®**  
**High Thrust - “P” Base**  
**Weather Protected Type I (WPI)**  
**12 Pole, 600 RPM**

**VHS**  
**WPI**  
600 RPM  
2300V

**APPLICATIONS:**

For use on Turbine, Mix Flow and Propeller Pumps

**FEATURES:**

- \* Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- \* 1.00 Service Factor (Sine Wave Power) ♦
- \* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude

- \* NEMA Design “B”
- \* 3 Phase 60 Hz

**2300 Volt\***

| HP   | Down Thrust (lbs) (#) | Standard Efficient |         |           |      | Premium Efficient |         |           |      | NRR List Adder | Disc. Sym |
|------|-----------------------|--------------------|---------|-----------|------|-------------------|---------|-----------|------|----------------|-----------|
|      |                       | Frame              | BD (in) | SRC List  | Type | Frame             | BD (in) | SRC List  | Type |                |           |
| 200  | 15100                 | 5012P              | 24.5    | \$83,845  | RU   | 5012P             | 24.5    | \$96,420  | RUE  | \$2,096        | 9VM       |
| 250  | 15100                 | 5012P              | 24.5    | \$107,946 | RU   | 5012P             | 24.5    | \$124,138 | RUE  | \$2,700        | 9VM       |
| 300  | 17300                 | 5813P              | 30.5    | \$129,716 | RU   | 5813P             | 30.5    | \$149,174 | RUE  | \$3,242        | 9VM       |
| 350  | 17300                 | 5813P              | 30.5    | \$139,474 | RU   | 5813P             | 30.5    | \$160,397 | RUE  | \$3,486        | 9VM       |
| 400  | 17300                 | 5813P              | 30.5    | \$149,944 | RU   | 5813P             | 30.5    | \$172,437 | RUE  | \$3,751        | 9VM       |
| 450  | 17300                 | 5813P              | 30.5    | \$180,540 | RU   | 5813P             | 30.5    | \$207,620 | RUE  | \$4,514        | 9VM       |
| 500  | 17300                 | 5813P              | 30.5    | \$194,131 | RU   | 5813P             | 30.5    | \$223,251 | RUE  | \$4,854        | 9VM       |
| 600  | 15000                 | 6813P              | 30.5    | \$211,164 | RU   | 6813P             | 30.5    | \$242,840 | RUE  | \$5,279        | 9VM       |
| 700  | 15000                 | 6813P              | 30.5    | \$230,117 | RU   | 6813P             | 30.5    | \$264,636 | RUE  | \$5,754        | 9VM       |
| 800  | 15000                 | 6813P              | 30.5    | \$248,786 | RU   | 6813P             | 30.5    | \$286,103 | RUE  | \$6,221        | 9VM       |
| 900  | 15000                 | 6813P              | 30.5    | \$268,660 | RU   | 6813P             | 30.5    | \$308,958 | RUE  | \$6,716        | 9VM       |
| 1000 | 15000                 | 6813P              | 30.5    | \$290,488 | RU   | 6813P             | 30.5    | \$334,061 | RUE  | \$7,263        | 9VM       |
| 1250 | 15000                 | 6813P              | 30.5    | \$322,789 | RU   | 6813P             | 30.5    | \$371,207 | RUE  | \$8,070        | 9VM       |
| 1500 | 14700                 | 9607PH             | 42      | \$364,786 | RU   | 9607PH            | 42      | \$419,505 | RUE  | \$9,120        | 9VM       |

# Momentary Upthrust Capacity is 30% of Standard High Thrust Design

♦ Make Adder for 1.15 Service Factor if Desired

\* Make Special Voltage Adder for 4160 Volts

\* NRR = Non-Reverse Ratchet SRC = Self Release Coupling

See Page M-83 For Available And Alternate BD Dimensions





**Three Phase Modifiable Motors**  
**Vertical HOLLOSHAFT®**  
**High Thrust - “P” Base**  
**Weather Protected Type I (WPI)**  
**14 Pole, 514 RPM**

**VHS**  
**WPI**  
514 RPM  
460V

**APPLICATIONS:**

For use on Turbine, Mix Flow and Propeller Pumps

**FEATURES:**

- \* Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- \* 1.15 Service Factor (Sine Wave Power)
- \* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude
- \* NEMA Design “B”
- \* 3 Phase 60 Hz

**460 or 575 Volt**

| HP  | Down Thrust (lbs) (#) | Standard Efficient |         |           |      | Premium Efficient |         |           |      | NRR List Adder | Disc. Sym |
|-----|-----------------------|--------------------|---------|-----------|------|-------------------|---------|-----------|------|----------------|-----------|
|     |                       | Frame              | BD (in) | SRC List  | Type | Frame             | BD (in) | SRC List  | Type |                |           |
| 100 | 14200                 | 5008P              | 24.5    | \$73,106  | RU   | 5008P             | 24.5    | \$84,070  | RUE  | \$1,408        | 9VM       |
| 125 | 16000                 | 5012P              | 24.5    | \$77,404  | RU   | 5012P             | 24.5    | \$89,014  | RUE  | \$1,657        | 9VM       |
| 150 | 16000                 | 5012P              | 24.5    | \$84,761  | RU   | 5012P             | 24.5    | \$97,406  | RUE  | \$1,887        | 9VM       |
| 200 | 16000                 | 5012P              | 24.5    | \$96,714  | RU   | 5012P             | 24.5    | \$110,866 | RUE  | \$2,418        | 9VM       |
| 250 | 18500                 | 5813P              | 30.5    | \$106,310 | RU   | 5813P             | 30.5    | \$122,254 | RUE  | \$2,561        | 9VM       |
| 300 | 18500                 | 5813P              | 30.5    | \$117,261 | RU   | 5813P             | 30.5    | \$134,420 | RUE  | \$2,932        | 9VM       |
| 350 | 18500                 | 5813P              | 30.5    | \$139,401 | RU   | 5813P             | 30.5    | \$160,312 | RUE  | \$3,298        | 9VM       |
| 400 | 18500                 | 5813P              | 30.5    | \$153,340 | RU   | 5813P             | 30.5    | \$176,340 | RUE  | \$3,653        | 9VM       |
| 450 | 18500                 | 5813P              | 30.5    | \$168,671 | RU   | 5813P             | 30.5    | \$193,974 | RUE  | \$3,979        | 9VM       |
| 500 | 16000                 | 6813P              | 30.5    | \$185,538 | RU   | 6813P             | 30.5    | \$213,366 | RUE  | \$4,305        | 9VM       |

# Momentary Upthrust Capacity is 30% of Standard High Thrust Design

\* NRR = Non-Reverse Ratchet SRC = Self Release Coupling

See Page M-83 For Available And Alternate BD Dimensions



**Three Phase Modifiable Motors**  
**Vertical HOLLOSHAFT®**  
**High Thrust - “P” Base**  
**Weather Protected Type I (WPI)**  
**14 Pole, 514 RPM**

**VHS**  
**WPI**  
514 RPM  
2300V

**APPLICATIONS:**

For use on Turbine, Mix Flow and Propeller Pumps

**FEATURES:**

- \* Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- \* 1.0 Service Factor (Sine Wave Power) ♦
- \* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude
- \* NEMA Design “B”
- \* 3 Phase 60 Hz

**2300 Volt\***

| HP   | Down Thrust (lbs) (#) | Standard Efficient |         |           |      | Premium Efficient |         |           |      | NRR List Adder | Disc. Sym |
|------|-----------------------|--------------------|---------|-----------|------|-------------------|---------|-----------|------|----------------|-----------|
|      |                       | Frame              | BD (in) | SRC List  | Type | Frame             | BD (in) | SRC List  | Type |                |           |
| 200  | 16000                 | 5012P              | 24.5    | \$136,176 | RU   | 5012P             | 24.5    | \$156,603 | RUE  | \$3,404        | 9VM       |
| 250  | 18500                 | 5813P              | 30.5    | \$143,345 | RU   | 5813P             | 30.5    | \$164,845 | RUE  | \$3,582        | 9VM       |
| 300  | 18500                 | 5813P              | 30.5    | \$160,488 | RU   | 5813P             | 30.5    | \$184,561 | RUE  | \$4,012        | 9VM       |
| 350  | 18500                 | 5813P              | 30.5    | \$176,491 | RU   | 5813P             | 30.5    | \$202,965 | RUE  | \$4,413        | 9VM       |
| 400  | 18500                 | 5813P              | 30.5    | \$192,491 | RU   | 5813P             | 30.5    | \$221,364 | RUE  | \$4,812        | 9VM       |
| 450  | 18500                 | 5813P              | 30.5    | \$208,488 | RU   | 5813P             | 30.5    | \$239,763 | RUE  | \$5,211        | 9VM       |
| 500  | 16000                 | 6813P              | 30.5    | \$222,772 | RU   | 6813P             | 30.5    | \$256,188 | RUE  | \$5,570        | 9VM       |
| 600  | 16000                 | 6813P              | 30.5    | \$243,014 | RU   | 6813P             | 30.5    | \$279,467 | RUE  | \$6,075        | 9VM       |
| 700  | 16000                 | 6813P              | 30.5    | \$264,897 | RU   | 6813P             | 30.5    | \$304,631 | RUE  | \$6,622        | 9VM       |
| 800  | 16000                 | 6813P              | 30.5    | \$293,873 | RU   | 6813P             | 30.5    | \$337,953 | RUE  | \$7,347        | 9VM       |
| 900  | 16000                 | 6813P              | 30.5    | \$318,190 | RU   | 6813P             | 30.5    | \$365,918 | RUE  | \$7,955        | 9VM       |
| 1000 | 16000                 | 6813P              | 30.5    | \$348,779 | RU   | 6813P             | 30.5    | \$401,099 | RUE  | \$8,721        | 9VM       |
| 1250 | 15800                 | 9606PH             | 42      | \$396,012 | RU   | 9606PH            | 42      | \$455,413 | RUE  | \$9,901        | 9VM       |
| 1500 | 15800                 | 9608PH             | 42      | \$430,448 | RU   | 9608PH            | 42      | \$495,019 | RUE  | \$10,500       | 9VM       |

# Momentary Upthrust Capacity is 30% of Standard High Thrust Design

♦ Make Adder for 1.15 Service Factor if Desired

\* Make Special Voltage Adder For 4160 Volts

\* NRR = Non-Reverse Ratchet SRC = Self Release Coupling

See Page M-83 For Available And Alternate BD Dimensions



**Three Phase Modifiable Motors**  
**Vertical HOLLOSHAFT®**  
**High Thrust - “P” Base**  
**Weather Protected Type I (WPI)**  
**16 Pole, 450 RPM**

**VHS**  
**WPI**  
450 RPM  
460V

**APPLICATIONS:**

For use on Turbine, Mix Flow and Propeller Pumps

**FEATURES:**

- \* Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- \* 1.15 Service Factor (Sine Wave Power)
- \* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude
- \* NEMA Design “B”
- \* 3 Phase 60 Hz

**460 or 575 Volt**

| HP  | Down Thrust (lbs) (#) | Standard Efficient |         |           |      | Premium Efficient |         |           |      | NRR List Adder | Disc. Sym |
|-----|-----------------------|--------------------|---------|-----------|------|-------------------|---------|-----------|------|----------------|-----------|
|     |                       | Frame              | BD (in) | SRC List  | Type | Frame             | BD (in) | SRC List  | Type |                |           |
| 100 | 16600                 | 5012P              | 24.5    | \$81,840  | RU   | 5012P             | 24.5    | \$94,117  | RUE  | \$2,045        | 9VM       |
| 125 | 16600                 | 5012P              | 24.5    | \$97,420  | RU   | 5012P             | 24.5    | \$112,033 | RUE  | \$2,437        | 9VM       |
| 150 | 16600                 | 5012P              | 24.5    | \$113,850 | RU   | 5012P             | 24.5    | \$130,927 | RUE  | \$2,847        | 9VM       |
| 200 | 19500                 | 5813P              | 30.5    | \$146,148 | RU   | 5813P             | 30.5    | \$168,070 | RUE  | \$3,653        | 9VM       |
| 250 | 19500                 | 5813P              | 30.5    | \$148,716 | RU   | 5813P             | 30.5    | \$171,021 | RUE  | \$3,718        | 9VM       |
| 300 | 19500                 | 5813P              | 30.5    | \$170,183 | RU   | 5813P             | 30.5    | \$195,707 | RUE  | \$4,256        | 9VM       |
| 350 | 19500                 | 5813P              | 30.5    | \$191,646 | RU   | 5813P             | 30.5    | \$220,394 | RUE  | \$4,791        | 9VM       |
| 400 | 17000                 | 6813P              | 30.5    | \$210,810 | RU   | 6813P             | 30.5    | \$242,432 | RUE  | \$5,270        | 9VM       |
| 450 | 17000                 | 6813P              | 30.5    | \$229,986 | RU   | 6813P             | 30.5    | \$264,472 | RUE  | \$5,749        | 9VM       |
| 500 | 17000                 | 6813P              | 30.5    | \$250,049 | RU   | 6813P             | 30.5    | \$287,559 | RUE  | \$6,251        | 9VM       |

# Momentary Upthrust Capacity is 30% of Standard High Thrust Design

\* NRR = Non-Reverse Ratchet SRC = Self Release Coupling

See Page M-83 For Available And Alternate BD Dimensions



**Three Phase Modifiable Motors**  
**Vertical HOLLOSHAFT®**  
**High Thrust - “P” Base**  
**Weather Protected Type I (WPI)**  
**16 Pole, 450 RPM**

**VHS**  
**WPI**  
450 RPM  
2300V

**APPLICATIONS:**

For use on Turbine, Mix Flow and Propeller Pumps

**FEATURES:**

- \* Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- \* 1.0 Service Factor (Sine Wave Power)♦
- \* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude

- \* NEMA Design “B”
- \* 3 Phase 60 Hz

**2300 Volt\***

| HP  | Down Thrust (lbs) (#) | Standard Efficient |         |           |      | Premium Efficient |         |           |      | NRR List Adder | Disc. Sym |
|-----|-----------------------|--------------------|---------|-----------|------|-------------------|---------|-----------|------|----------------|-----------|
|     |                       | Frame              | BD (in) | SRC List  | Type | Frame             | BD (in) | SRC List  | Type |                |           |
| 250 | 19500                 | 5813P              | 30.5    | \$169,643 | RU   | 5813P             | 30.5    | \$195,089 | RUE  | \$4,239        | 9VM       |
| 300 | 19500                 | 5813P              | 30.5    | \$190,190 | RU   | 5813P             | 30.5    | \$218,718 | RUE  | \$4,754        | 9VM       |
| 350 | 19500                 | 5813P              | 30.5    | \$208,629 | RU   | 5813P             | 30.5    | \$239,925 | RUE  | \$5,218        | 9VM       |
| 400 | 17000                 | 6813P              | 30.5    | \$226,782 | RU   | 6813P             | 30.5    | \$260,798 | RUE  | \$5,669        | 9VM       |
| 450 | 17000                 | 6813P              | 30.5    | \$246,359 | RU   | 6813P             | 30.5    | \$283,312 | RUE  | \$6,481        | 9VM       |
| 500 | 17000                 | 6813P              | 30.5    | \$263,472 | RU   | 6813P             | 30.5    | \$302,993 | RUE  | \$6,587        | 9VM       |
| 600 | 17000                 | 6813P              | 30.5    | \$289,913 | RU   | 6813P             | 30.5    | \$333,399 | RUE  | \$7,249        | 9VM       |
| 700 | 17000                 | 6813P              | 30.5    | \$306,904 | RU   | 6813P             | 30.5    | \$352,941 | RUE  | \$7,674        | 9VM       |
| 800 | 16800                 | 9603PH             | 42      | \$341,094 | RU   | 9603PH            | 42      | \$392,261 | RUE  | \$8,528        | 9VM       |
| 900 | 16800                 | 9603PH             | 42      | \$383,739 | RU   | 9603PH            | 42      | \$441,298 | RUE  | \$9,592        | 9VM       |

# Momentary Upthrust Capacity is 30% of Standard High Thrust Design

♦ Make Adder for 1.15 Service Factor if Desired

\* Make Special Voltage Adder for 4160 Volts

\* NRR = Non-Reverse Ratchet SRC = Self Release Coupling

See Page M-83 For Available And Alternate BD Dimensions



**Three Phase Modifiable Motors**  
**Vertical HOLLOSHAFT®**  
**High Thrust - “P” Base**  
**Weather Protected Type I (WPI)**  
**18 Pole, 400 RPM**



**APPLICATIONS:**

For use on Turbine, Mix Flow and Propeller Pumps

**FEATURES:**

- \* Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- \* 1.15 Service Factor (Sine Wave Power)
- \* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude
- \* NEMA Design “B”
- \* 3 Phase 60 Hz

**460 or 575 Volt**

| HP  | Down Thrust (lbs) (#) | Standard Efficient |         |           |      | Premium Efficient |         |           |      | NRR List Adder | Disc. Sym |
|-----|-----------------------|--------------------|---------|-----------|------|-------------------|---------|-----------|------|----------------|-----------|
|     |                       | Frame              | BD (in) | SRC List  | Type | Frame             | BD (in) | SRC List  | Type |                |           |
| 250 | 20300                 | 5813P              | 30.5    | \$206,317 | RU   | 5813P             | 30.5    | \$237,265 | RUE  | \$4,644        | 9VM       |
| 300 | 20300                 | 5813P              | 30.5    | \$229,178 | RU   | 5813P             | 30.5    | \$263,556 | RUE  | \$5,157        | 9VM       |
| 350 | 18000                 | 6813P              | 30.5    | \$249,751 | RU   | 6813P             | 30.5    | \$287,214 | RUE  | \$5,620        | 9VM       |
| 400 | 18000                 | 6813P              | 30.5    | \$271,045 | RU   | 6813P             | 30.5    | \$311,702 | RUE  | \$6,098        | 9VM       |
| 450 | 18000                 | 6813P              | 30.5    | \$289,869 | RU   | 6813P             | 30.5    | \$333,352 | RUE  | \$6,524        | 9VM       |
| 500 | 17700                 | 9603PH             | 42      | \$305,751 | RU   | 9603PH            | 42      | \$351,617 | RUE  | \$6,879        | 9VM       |
| 600 | 17700                 | 9605PH             | 42      | \$339,638 | RU   | 9605PH            | 42      | \$390,587 | RUE  | \$7,456        | 9VM       |
| 700 | 17700                 | 9606PH             | 42      | \$360,423 | RU   | 9606PH            | 42      | \$414,486 | RUE  | \$8,111        | 9VM       |
| 800 | 17700                 | 9607PH             | 42      | \$380,847 | RU   | 9607PH            | 42      | \$437,977 | RUE  | \$8,569        | 9VM       |

# Momentary Upthrust Capacity is 30% of Standard High Thrust Design  
 \* NRR = Non-Reverse Ratchet SRC = Self Release Coupling

See Page M-83 For Available And Alternate BD Dimensions



**Three Phase Modifiable Motors**  
**Vertical HOLLOSHAFT®**  
**High Thrust - “P” Base**  
**Weather Protected Type I (WPI)**  
**18 Pole, 400 RPM**

**VHS**  
**WPI**  
400 RPM  
2300V

**APPLICATIONS:**

For use on Turbine, Mix Flow and Propeller Pumps

**FEATURES:**

- \* Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- \* 1.0 Service Factor (Sine Wave Power) ♦
- \* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude

- \* NEMA Design “B”
- \* 3 Phase 60 Hz

**2300 Volt\***

| HP  | Down Thrust (lbs) (#) | Standard Efficient |         |           |      | Premium Efficient |         |           |      | NRR List Adder | Disc. Sym |
|-----|-----------------------|--------------------|---------|-----------|------|-------------------|---------|-----------|------|----------------|-----------|
|     |                       | Frame              | BD (in) | SRC List  | Type | Frame             | BD (in) | SRC List  | Type |                |           |
| 250 | 20300                 | 5813P              | 30.5    | \$206,317 | RU   | 5813P             | 30.5    | \$237,265 | RUE  | \$5,160        | 9VM       |
| 300 | 20300                 | 5813P              | 30.5    | \$229,178 | RU   | 5813P             | 30.5    | \$263,556 | RUE  | \$5,730        | 9VM       |
| 350 | 18000                 | 6813P              | 30.5    | \$249,751 | RU   | 6813P             | 30.5    | \$287,214 | RUE  | \$6,244        | 9VM       |
| 400 | 18000                 | 6813P              | 30.5    | \$271,045 | RU   | 6813P             | 30.5    | \$311,702 | RUE  | \$6,775        | 9VM       |
| 450 | 18000                 | 6813P              | 30.5    | \$289,869 | RU   | 6813P             | 30.5    | \$333,352 | RUE  | \$7,249        | 9VM       |
| 500 | 17700                 | 9603PH             | 42      | \$305,751 | RU   | 9603PH            | 42      | \$351,617 | RUE  | \$7,643        | 9VM       |
| 600 | 17700                 | 9605PH             | 42      | \$339,638 | RU   | 9605PH            | 42      | \$390,587 | RUE  | \$8,284        | 9VM       |
| 700 | 17700                 | 9606PH             | 42      | \$360,423 | RU   | 9606PH            | 42      | \$414,486 | RUE  | \$9,012        | 9VM       |
| 800 | 17700                 | 9607PH             | 42      | \$380,847 | RU   | 9607PH            | 42      | \$437,977 | RUE  | \$9,521        | 9VM       |
| 900 | 17700                 | 9607PH             | 42      | \$401,270 | RU   | 9607PH            | 42      | \$461,462 | RUE  | \$10,033       | 9VM       |

# Momentary Upthrust Capacity is 30% of Standard High Thrust Design

♦ Make Adder for 1.15 Service Factor if Desired

\* Make Special Voltage Adder For 4160 Volts

\* NRR = Non-Reverse Ratchet SRC = Self Release Coupling

See Page M-83 For Available And Alternate BD Dimensions

