

**Three Phase Modifiable Motors  
Vertical Solid Shaft  
Normal Thrust - "P" Base  
Weather Protected Type I (WPI)  
2 Pole, 3600 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
- \* Both HP & VP Shaft Extension Available

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

| HP  | Down Thrust (lbs) | Energy Efficient |          |      | Premium Efficient |          |      | Disc. Sym |
|-----|-------------------|------------------|----------|------|-------------------|----------|------|-----------|
|     |                   | Frame            | List     | Type | Frame             | List     | Type |           |
| 5   | 310               | 182HP            | \$2,615  | AVE  | 182HP             | \$2,746  | AVS  | 7NM       |
| 7.5 | 380               | 184HP            | \$3,268  | AVE  | 184HP             | \$3,431  | AVS  | 7NM       |
| 10  | 450               | 213HP            | \$3,284  | AVE  | 213HP             | \$3,448  | AVS  | 7NM       |
| 15  | 520               | 215HP            | \$3,815  | AVE  | 215HP             | \$4,006  | AVS  | 7NM       |
| 20  | 520               | 254HP            | \$4,021  | AVE  | 254HP             | \$4,222  | AVS  | 7NM       |
| 25  | 600               | 256HP            | \$4,249  | AVE  | 256HP             | \$4,461  | AVS  | 7NM       |
| 30  | 600               | 284HP            | \$4,472  | AVE  | 284HP             | \$4,696  | AVS  | 7NM       |
| 40  | 600               | 286HP            | \$5,845  | AVE  | 286HP             | \$6,137  | AVS  | 7NM       |
| 50  | 600               | 324HP            | \$6,474  | RVE  | 324HP             | \$6,798  | RVS  | 7NM       |
| 60  | 600               | 326HP            | \$7,239  | RVE  | 326HP             | \$7,601  | RVS  | 7NM       |
| 75  | 600               | 364HP            | \$8,681  | RVE  | 364HP             | \$9,115  | RVS  | 7NM       |
| 100 | 600               | 365HP            | \$11,700 | RVE  | 365HP             | \$12,284 | RVS  | 7NM       |
| 125 | 720               | 404HP            | \$14,702 | RVE  | 404HP             | \$15,437 | RVS  | 7NM       |
| 150 | 720               | 405HP            | \$17,859 | RVE  | 405HP             | \$18,751 | RVS  | 7NM       |

& Standard Voltages Thru 405 Frame  
\* Alternate "Z" option available for shaft. See Dimension Pages for Detail.

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)



**Three Phase Modifiable Motors**  
**Vertical Solid Shaft**  
**Normal 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
- \* Both HP & VP Shaft Extension Available on 447 Frame and Lower

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

| HP  | Down Thrust (lbs) | Standard Efficient |          |      | Energy Efficient |          |      | Premium Efficient |          |      | Disc. Sym |
|-----|-------------------|--------------------|----------|------|------------------|----------|------|-------------------|----------|------|-----------|
|     |                   | Frame              | List     | Type | Frame            | List     | Type | Frame             | List     | Type |           |
| 3   | 390               | ---                | ---      | ---  | 182HP            | \$1,634  | AVE  | 182HP             | \$1,716  | AVS  | 7NM       |
| 5   | 490               | ---                | ---      | ---  | 184HP            | \$2,512  | AVE  | 184HP             | \$2,638  | AVS  | 7NM       |
| 7.5 | 560               | ---                | ---      | ---  | 213HP            | \$2,923  | AVE  | 213HP             | \$3,069  | AVS  | 7NM       |
| 10  | 640               | ---                | ---      | ---  | 215HP            | \$3,284  | AVE  | 215HP             | \$3,448  | AVS  | 7NM       |
| 15  | 640               | ---                | ---      | ---  | 254HP            | \$3,777  | AVE  | 254HP             | \$3,966  | AVS  | 7NM       |
| 20  | 640               | ---                | ---      | ---  | 256HP            | \$4,310  | AVE  | 256HP             | \$4,526  | AVS  | 7NM       |
| 25  | 640               | ---                | ---      | ---  | 284HP*           | \$4,620  | AVE  | 284HP*            | \$4,851  | AVS  | 7NM       |
| 30  | 640               | ---                | ---      | ---  | 286HP*           | \$5,195  | AVE  | 286HP*            | \$5,455  | AVS  | 7NM       |
| 40  | 640               | ---                | ---      | ---  | 324HP            | \$5,516  | RVE  | 324HP             | \$5,793  | RVS  | 7NM       |
| 50  | 640               | ---                | ---      | ---  | 326HP            | \$6,547  | RVE  | 326HP             | \$6,873  | RVS  | 7NM       |
| 60  | 640               | ---                | ---      | ---  | 364HP*           | \$7,246  | RVE  | 364HP*            | \$7,608  | RVS  | 7NM       |
| 75  | 640               | ---                | ---      | ---  | 365HP*           | \$8,822  | RVE  | 365HP*            | \$9,263  | RVS  | 7NM       |
| 100 | 720               | ---                | ---      | ---  | 404HP*           | \$11,143 | RVE  | 404HP*            | \$11,700 | RVS  | 7NM       |
| 125 | 720               | ---                | ---      | ---  | 405HP*           | \$13,460 | RVE  | 405HP*            | \$14,134 | RVS  | 7NM       |
| 150 | 720               | ---                | ---      | ---  | 444HP            | \$16,148 | RVE  | 444HP             | \$16,955 | RVS  | 7NM       |
| 200 | 720               | ---                | ---      | ---  | 445HP            | \$21,948 | RVE  | 445HP             | \$23,047 | RVS  | 7NM       |
| 250 | 720               | 445HP              | \$19,671 | RV   | 445HP            | \$22,622 | RVE  | 445HP             | \$23,754 | RVS  | 7NM       |
| 300 | 720               | 447HP@             | \$36,627 | RV   | 447HP@           | \$44,445 | RVE  | 447HP@            | \$46,784 | RVS  | 7NM       |
| 350 | 720               | 447HP@             | \$40,319 | RV   | 447HP@           | \$47,879 | RVE  | 447HP@            | \$50,399 | RVS  | 7NM       |
| 400 | 2400              | 5008VP             | \$45,857 | RV   | 5008VP           | \$54,451 | RV   | 5008VP            | \$57,317 | RVE  | 8VM       |
| 450 | 2400              | 5008VP             | \$51,575 | RV   | 5008VP           | \$61,246 | RV   | 5008VP            | \$64,469 | RVE  | 8VM       |
| 500 | 2400              | 5008VP             | \$52,063 | RV   | 5008VP           | \$61,823 | RV   | 5008VP            | \$65,077 | RVE  | 8VM       |
| 600 | 2400              | 5008VP             | \$67,948 | RV   | ---              | ---      | ---  | 5012VP            | \$85,937 | RVE  | 8VM       |

& Standard Voltages Thru 405 Frame; 444 Frame & Larger, Single Voltage 460 or 575 standard  
 @Contact your Nidec Motor Corporation Technical Representative for WPII frame size confirmation prior to quoting.  
 \* Alternate "Z" Option Available for Shaft. See Dimension Pages for Detail  
 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)



**Three Phase Modifiable Motors**  
**Vertical Solid Shaft**  
**Normal 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
- \* Both HP & VP Shaft Extension Available on 447 Frame and Smaller

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

| HP  | Down Thrust (lbs) | Standard Efficient |          |      | Energy Efficient |          |      | Premium Efficient |           |      | Disc. Sym |
|-----|-------------------|--------------------|----------|------|------------------|----------|------|-------------------|-----------|------|-----------|
|     |                   | Frame              | List     | Type | Frame            | List     | Type | Frame             | List      | Type |           |
| 1.5 | 400               | ---                | ---      | ---  | 182HP            | \$1,458  | AVE  | 182HP             | \$1,531   | AVS  | 7NM       |
| 2   | 450               | ---                | ---      | ---  | 184HP            | \$1,793  | AVE  | 184HP             | \$1,883   | AVS  | 7NM       |
| 3   | 560               | ---                | ---      | ---  | 213HP            | \$2,371  | AVE  | 213HP             | \$2,490   | AVS  | 7NM       |
| 5   | 600               | ---                | ---      | ---  | 215HP            | \$3,347  | AVE  | 215HP             | \$3,514   | AVS  | 7NM       |
| 7.5 | 700               | ---                | ---      | ---  | 254HP            | \$3,838  | AVE  | 254HP             | \$4,030   | AVS  | 7NM       |
| 10  | 720               | ---                | ---      | ---  | 256HP            | \$4,333  | AVE  | 256HP             | \$4,550   | AVS  | 7NM       |
| 15  | 720               | ---                | ---      | ---  | 284HP*           | \$4,859  | AVE  | 284HP*            | \$5,102   | AVS  | 7NM       |
| 20  | 720               | ---                | ---      | ---  | 286HP*           | \$5,911  | AVE  | 286HP*            | \$6,207   | AVS  | 7NM       |
| 25  | 800               | ---                | ---      | ---  | 324HP            | \$6,164  | RVE  | 324HP             | \$6,472   | RVS  | 7NM       |
| 30  | 800               | ---                | ---      | ---  | 326HP            | \$7,038  | RVE  | 326HP             | \$7,390   | RVS  | 7NM       |
| 40  | 800               | ---                | ---      | ---  | 364HP*           | \$8,239  | RVE  | 364HP*            | \$8,653   | RVS  | 7NM       |
| 50  | 800               | ---                | ---      | ---  | 365HP*           | \$9,718  | RVE  | 365HP*            | \$10,204  | RVS  | 7NM       |
| 60  | 960               | ---                | ---      | ---  | 404HP*           | \$11,096 | RVE  | 404HP*            | \$11,650  | RVS  | 7NM       |
| 75  | 960               | ---                | ---      | ---  | 405HP*           | \$13,049 | RVE  | 405HP*            | \$13,702  | RVS  | 7NM       |
| 100 | 960               | ---                | ---      | ---  | 444HP            | \$16,197 | RVE  | 444HP             | \$17,007  | RVS  | 7NM       |
| 125 | 960               | ---                | ---      | ---  | 445HP            | \$19,232 | RVE  | 445HP             | \$20,195  | RVS  | 7NM       |
| 150 | 960               | ---                | ---      | ---  | 445HP            | \$23,228 | RVE  | 445HP             | \$24,390  | RVS  | 7NM       |
| 200 | 960               | ---                | ---      | ---  | 447HP@           | \$43,468 | RVE  | 447HP@            | \$45,756  | RVS  | 7NM       |
| 250 | 960               | 447HP@             | \$38,312 | RV   | 447HP@           | \$45,749 | RVE  | 447HP@            | \$48,157  | RVS  | 7NM       |
| 300 | 2900              | 5008VP             | \$45,387 | RV   | 5008VP           | \$54,293 | RV   | 5008VP            | \$57,150  | RVE  | 8VM       |
| 350 | 2900              | 5008VP             | \$52,606 | RV   | 5008VP           | \$62,874 | RV   | 5008VP            | \$66,183  | RVE  | 8VM       |
| 400 | 2900              | 5008VP             | \$60,418 | RV   | 5012VP           | \$72,173 | RV   | 5012VP            | \$75,972  | RVE  | 8VM       |
| 450 | 2900              | 5012VP             | \$66,901 | RV   | 5012VP           | \$79,981 | RV   | 5012VP            | \$84,190  | RVE  | 8VM       |
| 500 | 2900              | 5012VP             | \$73,681 | RV   | 5012VP           | \$86,341 | RV   | 5012VP            | \$90,885  | RVE  | 8VM       |
| 600 | 2900              | 5012VP             | \$88,399 | RV   | ---              | ---      | ---  | 5012VP            | \$110,505 | RVE  | 8VM       |

& 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.  
 \*Alternate "Z" option available for shaft. See Dimension Pages for Detail.

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)



**Three Phase Modifiable Motors**  
**Vertical Solid Shaft**  
**Normal 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
- \* Both HP & VP Shaft Extension Available on 447 Frame and Smaller

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

| HP  | Down Thrust (lbs) | Standard Efficient |           |      | Energy Efficient |          |      | Premium Efficient |           |      | Disc. Sym |
|-----|-------------------|--------------------|-----------|------|------------------|----------|------|-------------------|-----------|------|-----------|
|     |                   | Frame              | List      | Type | Frame            | List     | Type | Frame             | List      | Type |           |
| 1.5 | 520               | ---                | ---       | ---  | 184HP            | \$1,981  | AVE  | 184HP             | \$2,080   | AVS  | 7NM       |
| 2   | 610               | ---                | ---       | ---  | 213HP            | \$2,129  | AVE  | 213HP             | \$2,235   | AVS  | 7NM       |
| 3   | 700               | ---                | ---       | ---  | 215HP            | \$3,284  | AVE  | 215HP             | \$3,448   | AVS  | 7NM       |
| 5   | 800               | ---                | ---       | ---  | 254HP            | \$3,869  | AVE  | 254HP             | \$4,062   | AVS  | 7NM       |
| 7.5 | 800               | ---                | ---       | ---  | 256HP            | \$4,455  | AVE  | 256HP             | \$4,678   | AVS  | 7NM       |
| 10  | 800               | ---                | ---       | ---  | 284HP*           | \$4,730  | AVE  | 284HP*            | \$4,967   | AVS  | 7NM       |
| 15  | 880               | ---                | ---       | ---  | 286HP*           | \$6,021  | AVE  | 286HP*            | \$6,322   | AVS  | 7NM       |
| 20  | 880               | ---                | ---       | ---  | 324HP            | \$6,383  | RVE  | 324HP             | \$6,702   | RVS  | 7NM       |
| 25  | 880               | ---                | ---       | ---  | 326HP            | \$7,352  | RVE  | 326HP             | \$7,721   | RVS  | 7NM       |
| 30  | 880               | ---                | ---       | ---  | 364HP*           | \$7,904  | RVE  | 364HP*            | \$8,298   | RVS  | 7NM       |
| 40  | 880               | ---                | ---       | ---  | 365HP*           | \$9,531  | RVE  | 365HP*            | \$10,007  | RVS  | 7NM       |
| 50  | 1120              | ---                | ---       | ---  | 404HP*           | \$10,864 | RVE  | 404HP*            | \$11,406  | RVS  | 7NM       |
| 60  | 1120              | ---                | ---       | ---  | 405HP*           | \$12,526 | RVE  | 405HP*            | \$13,153  | RVS  | 7NM       |
| 75  | 1120              | ---                | ---       | ---  | 444HP            | \$14,366 | RVE  | 444HP             | \$15,085  | RVS  | 7NM       |
| 100 | 1120              | ---                | ---       | ---  | 445HP            | \$19,275 | RVE  | 445HP             | \$20,239  | RVS  | 7NM       |
| 125 | 1120              | ---                | ---       | ---  | 447HP@           | \$30,748 | RVE  | 447HP@            | \$32,366  | RVS  | 7NM       |
| 150 | 1120              | ---                | ---       | ---  | 447HP@           | \$37,668 | RVE  | 447HP@            | \$39,650  | RVS  | 7NM       |
| 200 | 3300              | ---                | ---       | ---  | 5008VP           | \$42,429 | RV   | 5008VP            | \$44,662  | RVE  | 8VM       |
| 250 | 3300              | 5008VP             | \$47,096  | RV   | 5012VP           | \$51,454 | RV   | 5012VP            | \$54,162  | RVE  | 8VM       |
| 300 | 3300              | 5012VP             | \$55,702  | RV   | 5012VP           | \$60,853 | RV   | 5012VP            | \$64,056  | RVE  | 8VM       |
| 350 | 3300              | 5012VP             | \$64,718  | RV   | 5012VP           | \$70,704 | RV   | 5012VP            | \$74,425  | RVE  | 8VM       |
| 400 | 3300              | 5012VP             | \$73,387  | RV   | 5012VP           | \$80,177 | RV   | 5012VP            | \$84,397  | RVE  | 8VM       |
| 450 | 3300              | 5012VP             | \$81,932  | RV   | 5012VP           | \$89,510 | RV   | 5012VP            | \$94,221  | RVE  | 8VM       |
| 500 | 3300              | 5012VP             | \$90,620  | RV   | 5012VP           | \$99,000 | RV   | 5012VP            | \$104,211 | RVE  | 8VM       |
| 600 | 4400              | 5813VPA            | \$128,305 | RV   | ---              | ---      | ---  | 5813VPA           | \$145,824 | RVE  | 8VM       |

& Standard Voltages Thru 405 Frame; 444 Frame & Larger, Single Voltage 460 or 575 is standard

\* Alternate "Z" option available for shaft. See Dimension Pages for Detail.

@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

\* 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 Solid Shaft**  
**Normal Thrust - "P" Base**  
**Weather Protected Type I (WPI)**  
**10 Pole, 720 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
- \* Both HP & VP Shaft Extension Available on 447 Frames and Smaller

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

| HP  | Down Thrust (lbs) | Standard Efficient |           |      | Premium Efficient |           |      | Disc. Sym |
|-----|-------------------|--------------------|-----------|------|-------------------|-----------|------|-----------|
|     |                   | Frame              | List      | Type | Frame             | List      | Type |           |
| 1.5 | 780               | 215HP              | \$2,221   | AV   | 215HP             | \$2,881   | AVS  | 7NM       |
| 2   | 780               | 215HP              | \$2,523   | AV   | 215HP             | \$3,293   | AVS  | 7NM       |
| 3   | 890               | 254HP              | \$3,178   | AV   | 254HP             | \$4,149   | AVS  | 7NM       |
| 5   | 890               | 256HP              | \$4,146   | AV   | 256HP             | \$5,469   | AVS  | 7NM       |
| 7.5 | 890               | 284HP*             | \$5,556   | AV   | 284HP*            | \$7,301   | AVS  | 7NM       |
| 10  | 960               | 324HP              | \$6,514   | RV   | 324HP             | \$8,610   | RVS  | 7NM       |
| 15  | 960               | 326HP              | \$8,007   | RV   | 326HP             | \$11,319  | RVS  | 7NM       |
| 20  | 960               | 364HP*             | \$9,967   | RV   | 364HP*            | \$14,007  | RVS  | 7NM       |
| 25  | 960               | 365HP*             | \$11,333  | RV   | 365HP*            | \$16,023  | RVS  | 7NM       |
| 30  | 1240              | 404HP*             | \$13,343  | RV   | 404HP*            | \$18,711  | RVS  | 7NM       |
| 40  | 1240              | 405HP*             | \$15,826  | RV   | 405HP*            | \$22,378  | RVS  | 7NM       |
| 50  | 1230              | 444HP              | \$18,981  | RV   | 444HP             | \$26,695  | RVS  | 7NM       |
| 60  | 1230              | 445HP              | \$21,246  | RV   | 445HP             | \$30,038  | RVS  | 7NM       |
| 75  | 1230              | 445HP              | \$23,441  | RV   | 445HP             | \$33,279  | RVS  | 7NM       |
| 100 | 1230              | 447HP@             | \$31,606  | RV   | 447HP@            | \$36,347  | RVS  | 7NM       |
| 125 | 1230              | 447HP@             | \$38,261  | RV   | 447HP@            | \$44,025  | RVS  | 7NM       |
| 150 | 3700              | 5008VP             | \$44,481  | RV   | 5008VP            | \$51,153  | RVS  | 9VM       |
| 200 | 3700              | 5008VP             | \$57,580  | RV   | 5008VP            | \$66,217  | RVE  | 9VM       |
| 250 | 3700              | 5012VP             | \$62,683  | RV   | 5012VP            | \$72,085  | RVE  | 9VM       |
| 300 | 3700              | 5012VP             | \$67,784  | RV   | 5012VP            | \$77,953  | RVE  | 9VM       |
| 350 | 3700              | 5012VP             | \$77,805  | RV   | 5012VP            | \$89,477  | RVE  | 9VM       |
| 400 | 4100              | 5813VPA            | \$122,148 | RV   | 5813VPA           | \$140,469 | RVE  | 9VM       |
| 450 | 4100              | 5813VPA            | \$134,627 | RV   | 5813VPA           | \$154,822 | RVE  | 9VM       |
| 500 | 4100              | 5813VPA            | \$137,754 | RV   | 5813VPA           | \$158,413 | RVE  | 9VM       |
| 600 | 4100              | 5813VPA            | \$164,789 | RV   | 5813VPA           | \$189,507 | RVE  | 9VM       |

& Standard Voltages Thru 405 Frame; 444 Frame & Larger, Single Voltage 460 or 575 is standard  
 \* Alternate "Z" option available for shaft. See Dimension Pages for Detail.  
 @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 Solid Shaft**  
**Normal 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 (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
- \* Both HP & VP Shaft Extension Available on 447 Frames and Smaller

**460 or 575 Volt**

| HP  | Down Thrust (lbs) | Standard Efficient |           |      | Premium Efficient |           |      | Disc. Sym |
|-----|-------------------|--------------------|-----------|------|-------------------|-----------|------|-----------|
|     |                   | Frame              | List      | Type | Frame             | List      | Type |           |
| 7.5 | 1020              | 324HP              | \$6,425   | RV   | 324HP             | \$8,486   | RVS  | 7NM       |
| 10  | 1020              | 326HP              | \$7,279   | RV   | 326HP             | \$10,244  | RVS  | 7NM       |
| 15  | 1020              | 364HP*             | \$9,678   | RV   | 364HP*            | \$13,582  | RVS  | 7NM       |
| 20  | 1020              | 365HP*             | \$11,648  | RV   | 365HP*            | \$16,491  | RVS  | 7NM       |
| 25  | 1330              | 404HP*             | \$14,120  | RV   | 404HP*            | \$19,859  | RVS  | 7NM       |
| 30  | 1330              | 405HP*             | \$15,937  | RV   | 405HP*            | \$22,540  | RVS  | 7NM       |
| 40  | 1330              | 444HP              | \$20,378  | RV   | 444HP             | \$28,756  | RVS  | 7NM       |
| 50  | 1330              | 445HP              | \$23,563  | RV   | 445HP             | \$33,460  | RVS  | 7NM       |
| 60  | 1330              | 447HP@             | \$32,317  | RV   | 447HP@            | \$37,167  | RVS  | 7NM       |
| 75  | 1330              | 447HP@             | \$36,369  | RV   | 447HP@            | \$41,822  | RVS  | 7NM       |
| 100 | 4100              | 5008VP             | \$41,427  | RV   | 5008VP            | \$47,683  | RVE  | 8VM       |
| 125 | 4100              | 5008VP             | \$46,549  | RV   | 5008VP            | \$53,533  | RVE  | 8VM       |
| 150 | 4100              | 5008VP             | \$53,507  | RV   | 5008VP            | \$61,533  | RVE  | 8VM       |
| 200 | 4100              | 5012VP             | \$67,953  | RV   | 5012VP            | \$78,146  | RVE  | 8VM       |
| 250 | 4100              | 5012VP             | \$69,554  | RV   | 5012VP            | \$79,988  | RVE  | 8VM       |
| 300 | 4100              | 5012VP             | \$81,340  | RV   | 5012VP            | \$93,542  | RVE  | 8VM       |
| 350 | 5200              | 5813VPA            | \$119,695 | RV   | 5813VPA           | \$137,650 | RVE  | 8VM       |
| 400 | 5200              | 5813VPA            | \$136,359 | RV   | 5813VPA           | \$156,812 | RVE  | 8VM       |
| 450 | 5200              | 5813VPA            | \$150,751 | RV   | 5813VPA           | \$173,364 | RVE  | 8VM       |

\* Contact your Nidec Motor Corporation Technical Representative for WPII frame size confirmation prior to quoting.  
 \* Alternate "Z" option available for shaft. See Dimension Pages for Detail.

See Page M-83 For Available And Alternate BD Dimensions



**Three Phase Modifiable Motors**  
**Vertical Solid Shaft**  
**Normal Thrust - "P" Base**  
**Weather Protected Type I (WPI)**  
**14 Pole, 514 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

**480 or 575 Volts (&)**

| HP  | Down Thrust (lbs) | Standard Efficient |         |           |      | Premium Efficient |         |           |      | Disc. Sym |
|-----|-------------------|--------------------|---------|-----------|------|-------------------|---------|-----------|------|-----------|
|     |                   | Frame              | BD (in) | List      | Type | Frame             | BD (in) | List      | Type |           |
| 100 | 4400              | 5008VP             | 24.5    | \$66,329  | RV   | 5008VP            | 24.5    | \$76,279  | RVE  | 8VM       |
| 125 | 4400              | 5012VP             | 24.5    | \$70,230  | RV   | 5012VP            | 24.5    | \$80,763  | RVE  | 8VM       |
| 150 | 4400              | 5012VP             | 24.5    | \$76,901  | RV   | 5012VP            | 24.5    | \$88,437  | RVE  | 8VM       |
| 200 | 4400              | 5012VP             | 24.5    | \$87,749  | RV   | 5012VP            | 24.5    | \$100,911 | RVE  | 8VM       |
| 250 | 6000              | 5813VPA            | 30.5    | \$103,716 | RV   | 5813VPA           | 30.5    | \$119,272 | RVE  | 8VM       |
| 300 | 6000              | 5813VPA            | 30.5    | \$114,399 | RV   | 5813VPA           | 30.5    | \$131,559 | RVE  | 8VM       |
| 350 | 6000              | 5813VPA            | 30.5    | \$136,000 | RV   | 5813VPA           | 30.5    | \$156,401 | RVE  | 8VM       |
| 400 | 6000              | 5813VPA            | 30.5    | \$149,599 | RV   | 5813VPA           | 30.5    | \$172,038 | RVE  | 8VM       |
| 450 | 6000              | 5813VPA            | 30.5    | \$164,556 | RV   | 5813VPA           | 30.5    | \$189,239 | RVE  | 8VM       |

See Page M-83 For Available And Alternate BD Dimensions

