

**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	8VM
350	720	447HP@	\$40,319	RV	447HP@	\$47,879	RVE	447HP@	\$50,399	RVS	8VM
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)



† 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)**  
**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	8VM
250	960	447HP@	\$38,312	RV	447HP@	\$45,749	RVE	447HP@	\$48,157	RVS	8VM
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	1121	---	---	---	447HP@	\$30,748	RVE	447HP@	\$32,366	RVS	8VM
150	1122	---	---	---	447HP@	\$37,668	RVE	447HP@	\$39,650	RVS	8VM
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.

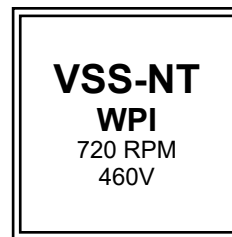
See Page M-83 For Available And Alternate BD Dimensions

\* 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)



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**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			Energy Efficient			Premium Efficient			Disc. Sym
		Frame	List	Type	Frame	List	Type	Frame	List	Type	
1.5	780	215HP	\$2,221	AV	215HP	\$2,744	AVE	215HP	\$2,881	AVS	7NM
2	780	215HP	\$2,523	AV	215HP	\$3,136	AVE	215HP	\$3,293	AVS	7NM
3	890	254HP	\$3,178	AV	254HP	\$3,951	AVE	254HP	\$4,149	AVS	7NM
5	890	256HP	\$4,146	AV	256HP	\$5,209	AVE	256HP	\$5,469	AVS	7NM
7.5	890	284HP*	\$5,556	AV	284HP*	\$6,953	AVE	284HP*	\$7,301	AVS	7NM
10	960	324HP	\$6,514	RV	324HP	\$8,200	RVE	324HP	\$8,610	RVS	7NM
15	960	326HP	\$8,007	RV	326HP	\$10,779	RVE	326HP	\$11,319	RVS	7NM
20	960	364HP*	\$9,967	RV	364HP*	\$13,340	RVE	364HP*	\$14,007	RVS	7NM
25	960	365HP*	\$11,333	RV	365HP*	\$15,261	RVE	365HP*	\$16,023	RVS	7NM
30	1240	404HP*	\$13,343	RV	404HP*	\$17,819	RVE	404HP*	\$18,711	RVS	7NM
40	1240	405HP*	\$15,826	RV	405HP*	\$21,312	RVE	405HP*	\$22,378	RVS	7NM
50	1230	444HP	\$18,981	RV	444HP	\$25,423	RVE	444HP	\$26,695	RVS	7NM
60	1230	445HP	\$21,246	RV	445HP	\$28,608	RVE	445HP	\$30,038	RVS	7NM
75	1230	445HP	\$23,441	RV	445HP	\$31,695	RVE	445HP	\$33,279	RVS	7NM
100	1230	447HP@	\$31,606	RV	---	---	---	447HP@	\$36,347	RVS	9VM
125	1230	447HP@	\$38,261	RV	---	---	---	447HP@	\$44,025	RVS	9VM
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			Energy Efficient			Premium Efficient			Disc. Sym
		Frame	List	Type	Frame	List	Type	Frame	List	Type	
7.5	1020	324HP	\$6,425	RV	324HP	\$8,082	RVE	324HP	\$8,486	RVS	7NM
10	1020	326HP	\$7,279	RV	326HP	\$9,756	RVE	326HP	\$10,244	RVS	7NM
15	1020	364HP*	\$9,678	RV	364HP*	\$12,934	RVE	364HP*	\$13,582	RVS	7NM
20	1020	365HP*	\$11,648	RV	365HP*	\$15,704	RVE	365HP*	\$16,491	RVS	7NM
25	1330	404HP*	\$14,120	RV	404HP*	\$18,913	RVE	404HP*	\$19,859	RVS	7NM
30	1330	405HP*	\$15,937	RV	405HP*	\$21,467	RVE	405HP*	\$22,540	RVS	7NM
40	1330	444HP	\$20,378	RV	444HP	\$27,387	RVE	444HP	\$28,756	RVS	7NM
50	1330	445HP	\$23,563	RV	445HP	\$31,866	RVE	445HP	\$33,460	RVS	7NM
60	1330	447HP@	\$32,317	RV	---	---	---	447HP@	\$37,167	RVS	8VM
75	1330	447HP@	\$36,369	RV	---	---	---	447HP@	\$41,822	RVS	8VM
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

