

Three Phase Modifiable Motors
Vertical Solid Shaft
Normal Thrust - "P" Base
Weather Protected Type I (WPI)
2 Pole, 3600 RPM

VSS-NT
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
- * 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

VSS-NT
WPI
1800 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
- * 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)



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Three Phase Modifiable Motors
Vertical Solid Shaft
Normal Thrust - "P" Base
Weather Protected Type I (WPI)
6 Pole, 1200 RPM

VSS-NT
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
- * 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)



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Three Phase Modifiable Motors
Vertical Solid Shaft
Normal Thrust - "P" Base
Weather Protected Type I (WPI)
8 Pole, 900 RPM

VSS-NT
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
- * 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)



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Three Phase Modifiable Motors
Vertical Solid Shaft
Normal Thrust - "P" Base
Weather Protected Type I (WPI)
10 Pole, 720 RPM

VSS-NT
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
- * 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	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.

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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

VSS-NT
WPI
600 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
- * 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	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

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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

VSS-NT
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

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

