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

VSS-HT
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

200, 230/460, 575 Volts (&)

HP	Down Thrust (lbs) (#)	Standard Efficient			Energy Efficient			Premium Efficient			NRR List Adder	Disc. Sym
		Frame	List	Type	Frame	List	Type	Frame	List	Type		
20	2600	254VP	$3,221	AV-4	254VP	$3,729	AVE-4	254VP	$4,098	AVS-4	$347	7VM
25	2600	256VP	$3,404	AV-4	256VP	$4,006	AVE-4	256VP	$4,413	AVS-4	$371	7VM
30	2600	284VPZ	$3,728	AV-4	284VPZ	$4,306	AVE-4	284VPZ	$4,901	AVS-4	$399	7VM
40	2600	286VPZ	$4,873	AV-4	286VPZ	$5,223	AVE-4	286VPZ	$5,498	AVS-4**	$526	7VM
50	4600	324VP	$5,620	RV-4	324VP	$6,437	RVE-4	324VP	$6,754	RVS-4	$535	7VM
60	4600	326VP	$6,704	RV-4	326VP	$7,330	RVE-4	326VP	$7,755	RVS-4	$638	7VM
75	4500	364VP	$8,073	RV-4	364VP	$8,498	RVE-4	364VP	$8,945	RVS-4	$793	7VM
100	4500	365VP	$11,305	RV-4	365VP	$11,973	RVE-4	365VP	$12,618	RVS-4	$1,075	7VM
125	5200	404VP	$14,202	RV-4	404VP	$16,144	RVE-4	404VP	$16,088	RVS-4	$1,347	7VM
150	5200	405VP	$17,258	RV-4	405VP	$18,797	RVE-4	405VP	$22,573	RVS-4	$1,347	7VM
200	7000	444VP	$25,209	RV-4	444VP	$25,903	RVE-4	444VP	$29,515	RVS-4	N/A	7VM
250	7000	445VP	$31,115	RV-4	445VP	$33,149	RVE-4	445VP	$34,574	RVS-4	N/A	7VM
300	7000	5008VP	$45,338	RV-4	5008VP	$53,844	RV-4	5008VP	$56,678	RVE-4	N/A	8VM
350	7000	5008VP	$58,979	RV-4	5008VP	$70,037	RV-4	5008VP	$73,723	RVE-4	N/A	8VM
400	7000	5008VP	$70,488	RV-4	5012VP	$83,703	RV-4	5012VP	$88,108	RVE-4	N/A	8VM
450	7000	5008VP	$73,458	RV-4	5012VP	$87,235	RV-4	5012VP	$91,826	RVE-4	N/A	8VM
500	7000	5012VP	$76,427	RV-4	5012VP	$90,752	RV-4	5012VP	$95,528	RVE-4	N/A	8VM
600	7000	5012VP	$91,711	RV-4	---	---	---	5012VP	$114,636	RVE-4	N/A	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 Through 365 Frame; Single Voltage 400 or 575 Is Standard
Non-reverse ratchets are not available on 2-pole, 440 frames and larger
* NRR = Non-Reverse Ratchet
** Cast Iron Frame

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
High Thrust - “P” Base
Weather Protected Type I (WPI)
2 Pole, 3600 RPM

VSS-HT
WPI
3600 RPM
2300V/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

2300 Volt

HP	Down Thrust (lbs) (#)	Standard Efficient				Premium Efficient				NRR List Adder	Disc. Sym
		Frame	BD (in)	List	Type	Frame	BD(in)	List	Type		
150	7000	5008VP	24.5	$42,690	RV-4	5008VP	24.5	$49,094	RVE-4	N/A	8VM
200	7000	5008VP	24.5	$44,033	RV-4	5008VP	24.5	$50,634	RVE-4	N/A	8VM
250	7000	5008VP	24.5	$52,573	RV-4	5008VP	24.5	$60,460	RVE-4	N/A	8VM
300	7000	5008VP	24.5	$60,225	RV-4	5008VP	24.5	$69,261	RVE-4	N/A	8VM
350	7000	5008VP	24.5	$67,883	RV-4	5008VP	24.5	$78,063	RVE-4	N/A	8VM
400	7000	5008VP	24.5	$75,200	RV-4	5008VP	24.5	$86,479	RVE-4	N/A	8VM
450	7000	5008VP	24.5	$83,188	RV-4	5008VP	24.5	$95,667	RVE-4	N/A	8VM
500	7000	5012VP	24.5	$90,840	RV-4	5012VP	24.5	$104,467	RVE-4	N/A	8VM
600	7000	5012VP	24.5	$112,660	RV-4	5012VP	24.5	$129,556	RVE-4	N/A	8VM
700	7000	5012VP	24.5	$127,277	RV-4	5012VP	24.5	$146,369	RVE-4	N/A	8VM
800	7000	5012VP	24.5	$141,892	RV-4	5012VP	24.5	$163,178	RVE-4	N/A	8VM

4160 Volt

HP	Down Thrust (lbs) (#)	Standard Efficient				Premium Efficient				NRR List Adder	Disc. Sym
		Frame	BD (in)	List	Type	Frame	BD(in)	List	Type		
150	7000	5008VP	24.5	$49,094	RV-4	5008VP	24.5	$56,458	RVE-4	N/A	8VM
200	7000	5008VP	24.5	$50,634	RV-4	5008VP	24.5	$58,228	RVE-4	N/A	8VM
250	7000	5008VP	24.5	$60,467	RV-4	5008VP	24.5	$69,538	RVE-4	N/A	8VM
300	7000	5008VP	24.5	$69,263	RV-4	5008VP	24.5	$79,655	RVE-4	N/A	8VM
350	7000	5008VP	24.5	$78,063	RV-4	5008VP	24.5	$89,775	RVE-4	N/A	8VM
400	7000	5008VP	24.5	$86,479	RV-4	5012VP	24.5	$99,451	RVE-4	N/A	8VM
450	7000	5008VP	24.5	$95,667	RV-4	5012VP	24.5	$110,014	RVE-4	N/A	8VM
500	7000	5012VP	24.5	$104,467	RV-4	5012VP	24.5	$120,136	RVE-4	N/A	8VM
600	7000	5012VP	24.5	$128,089	RV-4	5012VP	24.5	$147,303	RVE-4	N/A	8VM
700	7000	5012VP	24.5	$143,188	RV-4	5012VP	24.5	$164,667	RVE-4	N/A	8VM
800	7000	5012VP	24.5	$159,631	RV-4	5012VP	24.5	$183,575	RVE-4	N/A	8VM

Momentary Upthrust Capacity is 30% of Standard High Thrust Design
* NRR = Non-Reverse Ratchet - Not available on these ratings

See Page M-83 For Available And Alternate BD Dimensions

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

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

VSS-HT
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

200, 230/460, 575 Volts (&)

HP	Down Thrust (lbs) (#)	Standard Efficient			Energy Efficient			Premium Efficient			NRR List Adder	Disc. Sym
		Frame	List	Type	Frame	List	Type	Frame	List	Type		
15	3300	254VP	$3,028	AV-4	254VP	$3,550	AVE-4	254VP	$3,809	AVS-4	$329	7VM
20	3300	256VP	$3,451	AV-4	256VP	$3,941	AVE-4	256VP	$4,171	AVS-4	$376	7VM
25	3300	284VPZ	$3,850	AV-4	284VPZ	$4,508	AVE-4	284VPZ	$4,752	AVS-4	$418	7VM
30	3300	286VPZ	$4,329	AV-4	286VPZ	$4,909	AVE-4	286VPZ	$5,168	AVS-4	$465	7VM
40	5700	324VP	$5,108	RV-4	324VP	$5,507	RVE-4	324VP	$5,797	RVS-4	$484	7VM
50	5700	326VP	$6,061	RV-4	326VP	$6,456	RVE-4	326VP	$6,797	RVS-4	$577	7VM
60	5700	364VP	$7,000	RV-4	364VP	$7,595	RVE-4	364VP	$7,995	RVS-4	$662	7VM
75	5700	365VP	$8,521	RV-4	365VP	$9,054	RVE-4	365VP	$9,530	RVS-4	$808	7VM
100	6700	404VP	$10,765	RV-4	404VP	$11,603	RVE-4	404VP	$12,213	RVS-4	$1,019	7VM
125	6700	405VP	$13,005	RV-4	405VP	$14,419	RVE-4	405VP	$15,177	RVS-4	$1,235	7VM
150	9800	H444VP	$15,883	RV-4	H444VP	$19,181	RVE-4	H444VP	$20,189	RVS-4	$1,300	7VM
200	9800	H445VP	$21,587	RV-4	H445VP	$24,501	RVE-4	H445VP	$25,831	RVS-4	$1,347	7VM
250	9800	H445VP	$26,162	RV-4	H445VP	$31,282	RVE-4	H445VP	$32,699	RVS-4	$1,347	7VM
300	9800	447VP@	$30,086	RV-4	447VP@	$35,974	RVE-4	447VP@	$37,604	RVS-4	$1,559	7VM
350	9800	447VP@	$33,847	RV-4	447VP@	$40,471	RVE-4	447VP@	$42,304	RVS-4	$1,559	7VM
400	9500	449VP@	$49,305	RV-4	449VP@	$58,549	RV-4	449VP@	$61,631	RVS-4	$1,570	8VM
450	9500	449VP@	$55,458	RV-4	449VP@	$65,856	RV-4	449VP@	$69,322	RVS-4	$1,596	8VM
500	9500	449VP@	$64,522	RV-4	449VP@	$70,490	RV-4	449VP@	$74,200	RVE-4	$1,761	8VM
600	9500	5008VP	$73,063	RV-4	---	---	---	5008VP	$91,329	RVE-4	$1,908	8VM
700	10300	5012VP	$85,242	RV-4	---	---	---	5012VP	$106,549	RVE-4	$2,214	8VM
800	10300	5012VP	$97,418	RV-4	---	---	---	5012VP	$121,772	RVE-4	$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 is 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

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
High Thrust - “P” Base
Weather Protected Type I (WPI)
4 Pole, 1800 RPM

VSS-HT
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)	List	Type	Frame	BD(in)	List	Type		
150	9800	447VP@	20	$30,833	RV-4	447VP@	20	$35,458	RVS-4	$1,761	8VM
200	9800	447VP@	20	$34,096	RV-4	447VP@	20	$39,211	RVS-4	$1,761	8VM
250	9800	447VP@	20	$39,190	RV-4	449VP@	24.5	$45,068	RVS-4	$1,843	8VM
300	9500	449VP@	24.5	$44,085	RV-4	449VP@	24.5	$50,695	RVS-4	$1,873	8VM
350	9500	5008VP	24.5	$50,007	RV-4	5008VP	24.5	$57,507	RVE-4	$1,873	8VM
400	9500	5008VP	24.5	$52,836	RV-4	5008VP	24.5	$60,758	RVE-4	$1,960	8VM
450	9500	5008VP	24.5	$58,650	RV-4	5008VP	24.5	$67,448	RVE-4	$1,960	8VM
500	9500	5008VP	24.5	$67,354	RV-4	5012VP+	24.5	$77,455	RVE-4	$1,995	8VM
600	10300	5012VP	24.5	$81,432	RV-4	5012VP	24.5	$93,646	RVE-4	$2,183	8VM
700	10300	5012VP	24.5	$92,535	RV-4	5012VP	24.5	$106,415	RVE-4	$2,425	8VM
800	10300	5012VP	24.5	$104,061	RV-4	5012VP	24.5	$119,669	RVE-4	$2,425	8VM
900	10300	5012VP	24.5	$117,068	RV-4	5012VP	24.5	$134,627	RVE-4	$2,484	8VM
1000	10300	5012VP	24.5	$129,944	RV-4	5012VP	24.5	$149,434	RVE-4	$2,484	8VM
1250	11900	5813VP	30.5	$162,430	RV-4	5813VP	30.5	$186,793	RVE-4	$3,312	8VM
1500	11900	5813VP	30.5	$186,545	RV-4	5813VP	30.5	$214,526	RVE-4	$3,930	8VM
1750	11900	5813VP	30.5	$217,636	RV-4	5813VP	30.5	$250,279	RVE-4	$5,441	8VM
2000	10300	6813P	30.5	$233,087	RV-4	6813P	30.5	$268,049	RVE-4	$5,977	9VM
2250	10300	6813P	30.5	$240,293	RV-4	6813P	30.5	$276,336	RVE-4	$6,165	9VM
2500	10300	6813P	30.5	$247,725	RV-4	6813P	30.5	$284,883	RVE-4	$6,352	9VM
3000	10300	6813P	30.5	$358,305	RV-4	6813P	30.5	$412,052	RVE-4	$10,289	9VM
3500	10300	6813P	30.5	$395,812	RV-4	6813P	30.5	$455,185	RVE-4	$11,369	9VM
4000*	10300	6813P	30.5	$413,732	RV-4	6813P	30.5	$475,793	RVE-4	$11,880	9VM
4500*	8600	9608PH	42	$438,829	RV-4	9608PH	42	$504,655	RVE-4	$12,603	9VM
5000*	8600	9608PH	42	$462,582	RV-4	9608PH	42	$531,969	RVE-4	$12,603	9VM

Momentary Upthrust Capacity is 30% of Standard High Thrust Design
+ 10,300 Lbs. Downthrust for 5012 Frame
@Contact your Nidec Motor Corporation Technical Representative for WPII frame size confirmation prior to quoting.
*Maximum Full Load Test Capacity is 3500 HP
*NRR = Non-Reverse Ratchet

See Page M-83 For Available And Alternate BD Dimensions

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

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

VSS-HT
WPI
1800 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	List	Type	Frame	BD	List	Type		
250	9500	449VP@	24.5	$44,599	RV-4	449VP@	24.5	$51,289	RVS-4	$1,843	8VM
300	9500	449VP@	24.5	$50,167	RV-4	449VP@	24.5	$57,695	RVS-4	$1,873	8VM
350	9500	5008VP	24.5	$56,908	RV-4	5008VP	24.5	$65,444	RVE-4	$1,873	8VM
400	9500	5008VP	24.5	$60,512	RV-4	5008VP	24.5	$69,587	RVE-4	$1,960	8VM
450	9500	5008VP	24.5	$67,171	RV-4	5008VP	24.5	$77,249	RVE-4	$1,960	8VM
500	9500	5008VP	24.5	$77,455	RV-4	5012VP+	24.5	$89,075	RVE-4	$1,995	8VM
600	10300	5012VP	24.5	$91,610	RV-4	5012VP	24.5	$105,352	RVE-4	$2,183	8VM
700	10300	5012VP	24.5	$104,531	RV-4	5012VP	24.5	$120,211	RVE-4	$2,425	8VM
800	10300	5012VP	24.5	$117,549	RV-4	5012VP	24.5	$135,183	RVE-4	$2,425	8VM
900	10300	5012VP	24.5	$131,962	RV-4	5012VP	24.5	$151,758	RVE-4	$2,484	8VM
1000	10300	5012VP	24.5	$146,122	RV-4	5012VP	24.5	$168,040	RVE-4	$2,484	8VM
1250	11900	5813VP	30.5	$179,657	RV-4	5813VP	30.5	$206,606	RVE-4	$3,312	8VM
1500	11900	5813VP	30.5	$205,237	RV-4	5813VP	30.5	$236,023	RVE-4	$3,930	8VM
1750	11900	5813VP	30.5	$243,751	RV-4	5813VP	30.5	$280,315	RVE-4	$5,441	8VM
2000	10300	6813P	30.5	$261,059	RV-4	6813P	30.5	$300,218	RVE-4	$5,977	9VM
2250	10300	6813P	30.5	$269,129	RV-4	6813P	30.5	$309,498	RVE-4	$5,977	9VM
2500	10300	6813P	30.5	$277,453	RV-4	6813P	30.5	$319,070	RVE-4	$6,352	9VM
3000	10300	6813P	30.5	$401,300	RV-4	6813P	30.5	$461,493	RVE-4	$10,289	9VM
3500	10300	6813P	30.5	$443,310	RV-4	6813P	30.5	$509,808	RVE-4	$11,369	9VM
4000*	10300	6813P	30.5	$463,380	RV-4	6813P	30.5	$532,887	RVE-4	$11,880	9VM
4500*	8600	9608PH	42	$491,491	RV-4	9608PH	42	$565,214	RVE-4	$12,603	9VM
5000*	8600	9608PH	42	$518,089	RV-4	9608PH	42	$595,805	RVE-4	$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
@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

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

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

VSS-HT
WPI
1200 RPM
460V

APPLICATIONS:

For use on Turbine, Mix Flow and Propeller Pumps

FEATURES:

* Class F Insulation, 60 Degrees C 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	List	Type	Frame	List	Type	Frame	List	Type		
7.5	3800	254VP	$3,075	AV-4	254VP	$3,810	AVE-4	254VP	$4,039	AVS-4	$376	7VM
10	3800	256VP	$3,474	AV-4	256VP	$4,343	AVE-4	256VP	$4,604	AVS-4	$385	7VM
15	3800	284VPZ	$4,052	AV-4	284VPZ	$5,174	AVE-4	284VPZ	$5,485	AVS-4	$411	7VM
20	3800	286VPZ	$4,925	AV-4	286VPZ	$6,047	AVE-4	286VPZ	$6,410	AVS-4	$469	7VM
25	6700	324VP	$5,709	RV-4	324VP	$7,176	RVE-4	324VP	$7,535	RVS-4	$540	7VM
30	6700	326VP	$6,516	RV-4	326VP	$7,984	RVE-4	326VP	$8,383	RVS-4	$620	7VM
40	6700	364VP	$7,962	RV-4	364VP	$10,566	RVE-4	364VP	$11,094	RVS-4	$756	7VM
50	6700	365VP	$9,390	RV-4	365VP	$11,993	RVE-4	365VP	$12,592	RVS-4	$869	7VM
60	7800	404VP	$10,723	RV-4	404VP	$14,340	RVE-4	404VP	$15,056	RVS-4	$1,019	7VM
75	7800	405VP	$12,610	RV-4	405VP	$16,228	RVE-4	405VP	$17,040	RVS-4	$1,197	7VM
100	11250	H444VP	$15,648	RV-4	H444VP	$21,178	RVE-4	H444VP	$22,237	RVS-4	$1,549	7VM
125	11250	H445VP	$18,915	RV-4	H445VP	$24,446	RVE-4	H445VP	$25,669	RVS-4	$1,549	7VM
150	11250	H445VP	$22,850	RV-4	H445VP	$28,380	RVE-4	H445VP	$29,800	RVS-4	$1,878	7VM
200	11250	447VP@	$28,563	RV-4	447VP@	$35,475	RV-4	447VP@	$37,250	RVS-4	$1,756	7VM
250	11250	447VP@	$34,989	RV-4	447VP@	$43,457	RV-4	447VP@	$45,631	RVS-4	$1,756	7VM
300	11000	449VP@	$48,803	RV-4	449VP@	$58,378	RV-4	449VP@	$61,451	RVS-4	$1,770	8VM
350	11000	5008VP	$56,568	RV-4	5008VP	$67,606	RV-4	5008VP	$71,164	RVE-4	$1,784	8VM
400	11000	5008VP	$64,965	RV-4	5012VP+	$77,606	RV-4	5012VP+	$81,690	RVE-4	$1,808	8VM
450	11900	5012VP	$71,937	RV-4	5012VP	$86,000	RV-4	5012VP	$90,526	RVE-4	$2,066	8VM
500	11900	5012VP	$79,225	RV-4	5012VP	$92,839	RV-4	5012VP	$97,725	RVE-4	$2,272	8VM
600	11900	5012VP	$95,061	RV-4	---	---	---	5012VP	$118,817	RVE-4	$2,448	8VM
700	11900	5012VP	$110,894	RV-4	---	---	---	5012VP	$138,617	RVE-4	$2,854	8VM
800	13700	5813VP	$126,737	RV-4	---	---	---	5813VP	$158,423	RVE-4	$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. Downthrust
* 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 Solid Shaft
High Thrust - “P” Base
Weather Protected Type I (WPI)
6 Pole, 1200 RPM

VSS-HT
WPI
1200 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)	List	Type	Frame	BD (in)	List	Type		
150	11000	449VP@	24.5	$37,101	RV-4	449VP@	24.5	$42,667	RVS-4	$1,761	8VM
200	11000	449VP@	24.5	$43,418	RV-4	449VP@	24.5	$49,932	RVS-4	$1,761	8VM
250	11000	449VP@	24.5	$52,049	RV-4	449VP@	24.5	$59,857	RVS-4	$1,831	8VM
300	11000	5008VP	24.5	$56,960	RV-4	5008VP	24.5	$65,505	RVE-4	$1,890	8VM
350	11000	5008VP	24.5	$67,366	RV-4	5008VP	24.5	$77,472	RVE-4	$2,120	8VM
400	11000	5008VP	24.5	$74,495	RV-4	5012VP+	24.5	$85,669	RVE-4	$2,214	8VM
450	11000	5008VP	24.5	$81,638	RV-4	5012VP+	24.5	$93,883	RVE-4	$2,343	8VM
500	11900	5012VP	24.5	$88,075	RV-4	5012VP	24.5	$101,286	RVE-4	$2,531	8VM
600	11900	5012VP	24.5	$104,176	RV-4	5012VP	24.5	$119,800	RVE-4	$2,608	8VM
700	11900	5012VP	24.5	$113,498	RV-4	5012VP	24.5	$130,523	RVE-4	$4,991	8VM
800	13700	5813VP	30.5	$124,162	RV-4	5813VP	30.5	$142,784	RVE-4	$5,502	8VM
900	13700	5813VP	30.5	$140,336	RV-4	5813VP	30.5	$161,385	RVE-4	$5,777	8VM
1000	13700	5813VP	30.5	$152,674	RV-4	5813VP	30.5	$175,575	RVE-4	$5,981	8VM
1250	13700	5813VP	30.5	$175,397	RV-4	5813VP	30.5	$201,704	RVE-4	$6,099	8VM
1500	13700	6810P	30.5	$199,866	HV-4	6810P	30.5	$229,845	HVE-4	$6,176	8VM
1750	11900	6813P	30.5	$225,735	RV-4	6813P	30.5	$259,596	RVE-4	$6,305	9VM
2000	11900	6813P	30.5	$257,981	RV-4	6813P	30.5	$296,678	RVE-4	$6,599	9VM
2250	11900	6813P	30.5	$290,230	RV-4	6813P	30.5	$333,765	RVE-4	$7,420	9VM
2500	11900	6813P	30.5	$322,477	RV-4	6813P	30.5	$370,847	RVE-4	$8,249	9VM
3000	10400	9606PH	42	$361,817	RV-4	9606PH	42	$416,089	RVE-4	$9,995	9VM
3500	10400	9607PH	42	$409,937	RV-4	9607PH	42	$471,427	RVE-4	$11,324	9VM
4000*	10400	9608PH	42	$468,962	RV-4	9608PH	42	$539,305	RVE-4	$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
@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

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

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

VSS-HT
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)	List	Type	Frame	BD (in)	List	Type		
150	11000	449VP@	24.5	$47,441	RV-4	449VP@	24.5	$54,556	RVS-4	$1,761	8VM
200	11000	5008VP	24.5	$55,394	RV-4	5008VP	24.5	$63,704	RVE-4	$1,831	8VM
250	11000	5008VP	24.5	$59,272	RV-4	5008VP	24.5	$68,164	RVE-4	$1,831	8VM
300	11000	5008VP	24.5	$65,284	RV-4	5008VP	24.5	$75,077	RVE-4	$1,890	8VM
350	11000	5008VP	24.5	$76,716	RV-4	5008VP	24.5	$88,225	RVE-4	$2,120	8VM
400	11000	5008VP	24.5	$84,838	RV-4	5012VP+	24.5	$97,566	RVE-4	$2,214	8VM
450	11000	5008VP	24.5	$92,054	RV-4	5012VP+	24.5	$105,864	RVE-4	$2,343	8VM
500	11900	5012VP	24.5	$99,063	RV-4	5012VP	24.5	$113,923	RVE-4	$2,531	8VM
600	11900	5012VP	24.5	$116,228	RV-4	5012VP	24.5	$133,662	RVE-4	$2,608	8VM
700	11900	5012VP	24.5	$126,634	RV-4	5012VP	24.5	$145,631	RVE-4	$4,991	8VM
800	13700	5813VP	30.5	$138,533	RV-4	5813VP	30.5	$159,315	RVE-4	$5,502	8VM
900	13700	5813VP	30.5	$151,561	RV-4	5813VP	30.5	$174,296	RVE-4	$5,777	8VM
1000	13700	5813VP	30.5	$164,890	RV-4	5813VP	30.5	$189,622	RVE-4	$5,981	8VM
1250	13700	5813VP	30.5	$189,427	RV-4	5813VP	30.5	$217,843	RVE-4	$6,099	8VM
1500	13700	6810P	30.5	$215,854	HV-4	6810P	30.5	$248,230	HVE-4	$6,176	8VM
1750	11900	6813P	30.5	$243,791	RV-4	6813P	30.5	$280,362	RVE-4	$6,305	9VM
2000	11900	6813P	30.5	$278,622	RV-4	6813P	30.5	$320,413	RVE-4	$6,599	9VM
2250	11900	6813P	30.5	$313,448	RV-4	6813P	30.5	$360,465	RVE-4	$7,420	9VM
2500	11900	6813P	30.5	$348,275	RV-4	6813P	30.5	$400,516	RVE-4	$8,249	9VM
3000	10400	9606PH	42	$390,761	RV-4	9606PH	42	$449,376	RVE-4	$9,995	9VM
3500	10400	9607PH	42	$442,725	RV-4	9607PH	42	$509,134	RVE-4	$11,324	9VM
4000	10400	9608PH	42	$506,474	RV-4	9608PH	42	$582,444	RVE-4	$12,953	9VM

Momentary Upthrust Capacity is 30% of Standard High Thrust Design
+11,900 Lbs. Downthrust for 5012 Frame
* NRR = Non-Reverse Ratchet
@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

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

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

VSS-HT
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	List	Type	Frame	List	Type	Frame	List	Type		
5	4200	254VP	$3,099	AV-4	254VP	$3,967	AVE-4	254VP	$4,205	AVS-4	$333	7VM
7.5	4200	256VP	$3,568	AV-4	256VP	$4,437	AVE-4	256VP	$4,703	AVS-4	$385	7VM
10	4200	284VPZ	$3,944	AV-4	284VPZ	$5,066	AVE-4	284VPZ	$5,370	AVS-4	$427	7VM
15	4200	286VPZ	$5,019	AV-4	286VPZ	$6,141	AVE-4	286VPZ	$6,510	AVS-4	$540	7VM
20	7400	324VP	$5,911	RV-4	324VP	$7,378	RVE-4	324VP	$7,746	RVS-4	$563	7VM
25	7400	326VP	$6,808	RV-4	326VP	$8,275	RVE-4	326VP	$8,688	RVS-4	$643	7VM
30	7400	364VP	$7,638	RV-4	364VP	$10,242	RVE-4	364VP	$10,754	RVS-4	$728	7VM
40	7400	365VP	$9,207	RV-4	365VP	$11,810	RVE-4	365VP	$12,401	RVS-4	$873	7VM
50	8600	404VP	$10,493	RV-4	404VP	$14,110	RVE-4	404VP	$14,817	RVS-4	$995	7VM
60	8600	405VP	$12,103	RV-4	405VP	$15,930	RVE-4	405VP	$16,725	RVS-4	$1,150	7VM
75	12500	H444VP	$14,178	RV-4	H444VP	$18,005	RVE-4	H444VP	$18,906	RVS-4	$1,164	7VM
100	12500	H445VP	$18,962	RV-4	H445VP	$23,073	RVE-4	H445VP	$24,225	RVS-4	$1,554	7VM
125	12500	447VP@	$26,547	RV-4	447VP@	$32,302	RV-4	447VP@	$33,915	RVS-4	$1,937	7VM
150	12500	447VP@	$29,865	RV-4	447VP@	$36,340	RV-4	447VP@	$38,154	RVS-4	$1,937	7VM
200	12000	449VP@	$41,761	RV-4	449VP@	$45,622	RV-4	449VP@	$48,023	RVS-4	$1,981	8VM
250	12000	5008VP	$50,641	RV-4	5012VP+	$55,323	RV-4	5012VP+	$58,235	RVE-4	$2,011	8VM
300	13200	5012VP	$59,894	RV-4	5012VP	$65,436	RV-4	5012VP	$68,880	RVE-4	$2,054	8VM
350	13200	5012VP	$69,589	RV-4	5012VP	$76,025	RV-4	5012VP	$80,026	RVE-4	$2,230	8VM
400	13200	5012VP	$78,908	RV-4	5012VP	$86,209	RV-4	5012VP	$90,746	RVE-4	$2,265	8VM
450	13200	5012VP	$88,099	RV-4	5012VP	$96,249	RV-4	5012VP	$101,315	RVE-4	$2,531	8VM
500	13200	5012VP	$97,439	RV-4	5012VP	$106,451	RV-4	5012VP	$112,054	RVE-4	$3,516	8VM
600	15000	5813VP	$128,305	RV-4	---	---	---	5813VP	$145,824	RVE-4	$4,608	8VM
700	15000	5813VP	$143,286	RV-4	---	---	---	5813VP	$163,746	RVE-4	$5,143	8VM
800	15000	5813VP	$163,758	RV-4	---	---	---	5813VP	$187,171	RVE-4	$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 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.
+ 13,200 Lbs Down Thrust
* NRR = Non-Reverse Ratchet

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
High Thrust - “P” Base
Weather Protected Type I (WPI)
8 Pole, 900 RPM

VSS-HT
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)
* 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)	List	Type	Frame	BD (in)	List	Type		
150	12000	449VP@	24.5	$43,617	RV-4	449VP@	24.5	$50,162	RVS-4	$1,995	8VM
200	12000	5008VP	24.5	$54,059	RV-4	5008VP	24.5	$62,167	RVE-4	$2,009	8VM
250	12000	5008VP	24.5	$64,495	RV-4	5012VP+	24.5	$74,169	RVE-4	$2,049	8VM
300	13200	5012VP	24.5	$73,474	RV-4	5012VP	24.5	$84,495	RVE-4	$2,167	8VM
350	13200	5012VP	24.5	$82,406	RV-4	5012VP	24.5	$94,768	RVE-4	$2,366	8VM
400	13200	5012VP	24.5	$91,087	RV-4	5012VP	24.5	$104,749	RVE-4	$2,617	8VM
450	13200	5012VP	24.5	$98,998	RV-4	5012VP	24.5	$113,847	RVE-4	$2,840	8VM
500	13200	5012VP	24.5	$115,620	RV-4	5012VP	24.5	$132,960	RVE-4	$3,516	8VM
600	15000	5813VP	30.5	$127,920	RV-4	5813VP	30.5	$147,108	RVE-4	$3,521	8VM
700	15000	5813VP	30.5	$137,195	RV-4	5813VP	30.5	$157,772	RVE-4	$3,695	8VM
800	15000	5813VP	30.5	$151,153	RV-4	5813VP	30.5	$173,826	RVE-4	$3,979	8VM
900	15000	5813VP	30.5	$166,012	RV-4	5813VP	30.5	$190,915	RVE-4	$4,096	8VM
1000	15000	5813VP	30.5	$178,319	RV-4	5813VP	30.5	$205,068	RVE-4	$4,343	8VM
1250	15000	6810P	30.5	$196,291	HV-4	6810P~	30.5	$225,735	HVE-4	$5,138	8VM
1500	13100	6813P	30.5	$227,526	RV-4	6813P	30.5	$261,655	RVE-4	$6,254	9VM
1750	13100	6813P	30.5	$263,580	RV-4	6813P	30.5	$303,117	RVE-4	$7,296	9VM
2000	13100	6813P	30.5	$301,228	RV-4	6813P	30.5	$346,418	RVE-4	$8,336	9VM
2250	13100	8011PH	42	$338,887	RV-4	8011PH~	42	$389,721	RVE-4	$9,380	9VM
2500	12100	9605PH	42	$376,540	RV-4	9605PH	42	$433,023	RVE-4	$10,420	9VM
3000	12100	9607PH	42	$422,474	RV-4	9607PH	42	$485,845	RVE-4	$11,690	9VM
3500	12100	9608PH	42	$478,660	RV-4	9608PH	42	$550,458	RVE-4	$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
@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

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

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

VSS-HT
WPI
900 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)	List	Type	Frame	BD (in)	List	Type		
150	12000	449VP@	24.5	$61,803	RV-4	449VP@	24.5	$71,070	RVS-4	$1,995	8VM
200	12000	5008VP	24.5	$63,650	RV-4	5008VP	24.5	$73,200	RVE-4	$2,009	8VM
250	12000	5008VP	24.5	$73,394	RV-4	5012VP+	24.5	$84,404	RVE-4	$2,049	8VM
300	13200	5012VP	24.5	$83,615	RV-4	5012VP	24.5	$96,157	RVE-4	$2,178	8VM
350	13200	5012VP	24.5	$91,885	RV-4	5012VP	24.5	$105,667	RVE-4	$2,366	8VM
400	13200	5012VP	24.5	$101,561	RV-4	5012VP	24.5	$116,796	RVE-4	$2,617	8VM
450	13200	5012VP	24.5	$110,383	RV-4	5012VP	24.5	$126,939	RVE-4	$2,840	8VM
500	13200	5012VP	24.5	$129,002	RV-4	5012VP	24.5	$148,354	RVE-4	$3,516	8VM
600	15000	5813VP	30.5	$142,725	RV-4	5813VP	30.5	$164,134	RVE-4	$3,521	8VM
700	15000	5813VP	30.5	$151,815	RV-4	5813VP	30.5	$174,587	RVE-4	$3,695	8VM
800	15000	5813VP	30.5	$167,725	RV-4	5813VP	30.5	$192,885	RVE-4	$3,979	8VM
900	15000	5813VP	30.5	$184,216	RV-4	5813VP	30.5	$211,850	RVE-4	$4,096	8VM
1000	15000	5813VP	30.5	$198,871	RV-4	5813VP	30.5	$228,700	RVE-4	$4,343	8VM
1250	13100	6813P	30.5	$218,756	RV-4	6813P	30.5	$251,570	RVE-4	$5,138	9VM
1500	13100	6813P	30.5	$248,993	RV-4	6813P	30.5	$286,345	RVE-4	$6,254	9VM
1750	13100	6813P	30.5	$284,667	RV-4	6813P	30.5	$327,366	RVE-4	$7,296	9VM
2000	13100	6813P	30.5	$325,331	RV-4	6813P	30.5	$374,131	RVE-4	$8,336	9VM
2250	12100	9606PH	42	$365,998	RV-4	9606PH	42	$420,899	RVE-4	$9,380	9VM
2500	12100	9606PH	42	$406,664	RV-4	9607PH	42	$467,664	RVE-4	$10,420	9VM
3000	12100	9607PH	42	$456,275	RV-4	9607PH	42	$524,716	RVE-4	$11,690	9VM
3500	12100	9608PH	42	$516,955	RV-4	9608PH	42	$594,498	RVE-4	$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
@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

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

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

VSS-HT
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	List	Type	Frame	List	Type	Frame	List	Type		
15	8000	326VP	$7,026	RV-4	326VP	$7,990	RVE-4	326VP	$8,411	RVS-4	$685	7VM
20	8000	364VP	$8,275	RV-4	364VP	$9,410	RVE-4	364VP	$9,904	RVS-4	$803	7VM
25	8000	365VP	$9,531	RV-4	365VP	$10,838	RVE-4	365VP	$11,408	RVS-4	$925	7VM
30	9300	404VP	$10,695	RV-4	404VP	$12,163	RVE-4	404VP	$12,803	RVS-4	$1,038	7VM
40	9300	405VP	$12,887	RV-4	405VP	$14,788	RVE-4	405VP	$15,566	RVS-4	$1,225	7VM
50	13500	H444VP	$14,958	RV-4	H444VP	$17,160	RVE-4	H444VP	$18,061	RVS-4	$1,230	7VM
60	13500	H445VP	$17,122	RV-4	H445VP	$19,640	RVE-4	H445VP	$20,674	RVS-4	$1,526	7VM
75	13500	H445VP	$20,408	RV-4	H445VP	$23,414	RVE-4	H445VP	$24,646	RVS-4	$1,671	7VM
100	13500	447VP@	$28,571	RV-4	---	---	---	447VP@	$34,504	RVS-4	$1,873	7VM
125	13500	447VP@	$32,143	RV-4	---	---	---	447VP@	$38,817	RVS-4	$1,897	7VM
150	13000	449VP@	$47,829	RV-4	---	---	---	449VP@	$55,002	RVE-4	$2,000	9VM
200	13000	5008VP	$61,913	RV-4	---	---	---	5008VP	$71,200	RVE-4	$2,354	9VM
250	14100	5012VP	$67,401	RV-4	---	---	---	5012VP	$77,509	RVE-4	$2,425	9VM
300	14100	5012VP	$72,887	RV-4	---	---	---	5012VP	$83,822	RVE-4	$2,495	9VM
350	14100	5012VP	$83,662	RV-4	---	---	---	5012VP	$96,211	RVE-4	$2,671	9VM
400	16300	5813VP	$122,148	RV-4	---	---	---	5813VP	$140,469	RVE-4	$3,756	9VM
450	16300	5813VP	$134,627	RV-4	---	---	---	5813VP	$154,822	RVE-4	$4,143	9VM
500	16300	5813VP	$137,754	RV-4	---	---	---	5813VP	$158,413	RVE-4	$4,239	9VM
600	16300	5813VP	$164,789	RV-4	---	---	---	5813VP	$189,507	RVE-4	$5,070	9VM
700	16300	5813VP	$192,254	RV-4	---	---	---	5813VP	$221,092	RVE-4	$6,181	9VM
800	16300	5813VP	$219,718	RV-4	---	---	---	5813VP	$252,676	RVE-4	$6,761	9VM

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.
* NRR = Non-Reverse Ratchet

See Page M-83 For Available And Alternate BD Dimensions

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

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

VSS-HT
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)	List	Type	Frame	BD (in)	List	Type		
150	13000	5008VP	24.5	$56,615	RV-4	5008VP	24.5	$65,106	RVE-4	$2,439	9VM
200	13000	5008VP	24.5	$69,965	RV-4	5008VP	24.5	$80,460	RVE-4	$2,439	9VM
250	14100	5012VP	24.5	$73,477	RV-4	5012VP	24.5	$84,498	RVE-4	$2,671	9VM
300	14100	5012VP	24.5	$84,707	RV-4	5012VP	24.5	$97,413	RVE-4	$2,721	9VM
350	14100	5012VP	24.5	$95,420	RV-4	5012VP	24.5	$109,732	RVE-4	$3,070	9VM
400	16300	5813VP	30.5	$116,427	RV-4	5813VP	30.5	$133,892	RVE-4	$3,331	9VM
450	16300	5813VP	30.5	$128,906	RV-4	5813VP	30.5	$148,242	RVE-4	$3,700	9VM
500	16300	5813VP	30.5	$132,031	RV-4	5813VP	30.5	$151,833	RVE-4	$3,793	9VM
600	16300	5813VP	30.5	$159,068	RV-4	5813VP	30.5	$183,047	RVE-4	$4,568	9VM
700	16300	5813VP	30.5	$159,378	RV-4	5813VP	30.5	$183,284	RVE-4	$4,577	9VM
800	16300	5813VP	30.5	$172,284	RV-4	5813VP	30.5	$198,124	RVE-4	$4,948	9VM
900	14100	6813P	30.5	$185,477	RV-4	6813P	30.5	$213,298	RVE-4	$5,326	9VM
1000	14100	6813P	30.5	$206,972	RV-4	6813P	30.5	$238,016	RVE-4	$5,946	9VM
1250	14100	6813P	30.5	$238,225	RV-4	6813P	30.5	$273,958	RVE-4	$6,556	9VM
1500	14100	6813P	30.5	$276,333	RV-4	6813P	30.5	$317,782	RVE-4	$7,608	9VM
1750	14100	8011PH	42	$314,446	RV-4	8011PH~	42	$361,610	RVE-4	$8,653	9VM
2000	13500	9606PH	42	$352,566	RV-4	9606PH	42	$405,448	RVE-4	$9,892	9VM
2250	13500	9606PH	42	$395,535	RV-4	9606PH	42	$454,866	RVE-4	$11,099	9VM
2500	13500	9607PH	42	$434,779	RV-4	9607PH	42	$499,998	RVE-4	$12,453	9VM

Momentary Upthrust Capacity is 30% of Standard High Thrust Design
~ Not For WPII Enclosure
* NRR = Non-Reverse Ratchet

See Page M-83 For Available And Alternate BD Dimensions

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

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

VSS-HT
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)	List	Type	Frame	BD (in)	List	Type		
150	13000	5008VP	24.5	$69,185	RV-4	5008VP	24.5	$79,563	RVE-4	$2,439	9VM
200	14100	5012VP	24.5	$79,073	RV-4	5012VP	24.5	$90,934	RVE-4	$2,439	9VM
250	14100	5012VP	24.5	$82,613	RV-4	5012VP	24.5	$95,002	RVE-4	$2,671	9VM
300	14100	5012VP	24.5	$95,160	RV-4	5012VP	24.5	$109,434	RVE-4	$2,721	9VM
350	14100	5012VP	24.5	$107,185	RV-4	5012VP	24.5	$123,263	RVE-4	$3,070	9VM
400	16300	5813VP	30.5	$130,397	RV-4	5813VP	30.5	$149,955	RVE-4	$3,331	9VM
450	16300	5813VP	30.5	$144,373	RV-4	5813VP	30.5	$166,028	RVE-4	$3,700	9VM
500	16300	5813VP	30.5	$147,876	RV-4	5813VP	30.5	$170,056	RVE-4	$3,793	9VM
600	16300	5813VP	30.5	$178,155	RV-4	5813VP	30.5	$204,878	RVE-4	$4,568	9VM
700	16300	5813VP	30.5	$178,505	RV-4	5813VP	30.5	$205,279	RVE-4	$4,577	9VM
800	16300	5813VP	30.5	$192,953	RV-4	5813VP	30.5	$221,897	RVE-4	$4,948	9VM
900	14100	6813P	30.5	$207,732	RV-4	6813P	30.5	$238,892	RVE-4	$5,326	9VM
1000	14100	6813P	30.5	$231,808	RV-4	6813P	30.5	$266,580	RVE-4	$5,946	9VM
1250	14100	6813P	30.5	$255,751	RV-4	6813P	30.5	$294,115	RVE-4	$6,556	9VM
1500	14100	6813P	30.5	$296,667	RV-4	6813P	30.5	$341,169	RVE-4	$7,608	9VM
1750	13500	9606PH	42	$337,585	RV-4	9606PH	42	$388,223	RVE-4	$8,653	9VM
2000	13500	9606PH	42	$385,786	RV-4	9607PH	42	$443,653	RVE-4	$9,892	9VM
2250	13500	9607PH	42	$434,779	RV-4	9607PH	42	$499,998	RVE-4	$11,099	9VM
2500	13500	9608PH	42	$485,653	RV-4	9608PH	42	$558,500	RVE-4	$12,453	9VM

Momentary Upthrust Capacity is 30% of Standard High Thrust Design
~ Not For WPII Enclosure
* NRR = Non-Reverse Ratchet

See Page M-83 For Available And Alternate BD Dimensions

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

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

VSS-HT
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

460 or 575 Volt

HP	Down Thrust (lbs)(#)	Standard Efficient			Energy Efficient			Premium Efficient			NRR List Adder	Disc. Sym
		Frame	List	Type	Frame	List	Type	Frame	List	Type		
10	8500	326VP	$6,901	RV-4	326VP	$7,869	RVE-4	326VP	$8,263	RVS-4	$674	7VM
15	8500	364VP	$8,782	RV-4	364VP	$10,012	RVE-4	364VP	$10,512	RVS-4	$857	7VM
20	8500	365VP	$10,343	RV-4	365VP	$11,791	RVE-4	365VP	$12,380	RVS-4	$1,002	7VM
25	9900	404VP	$11,913	RV-4	404VP	$13,582	RVE-4	404VP	$14,261	RVS-4	$1,155	7VM
30	9900	405VP	$13,369	RV-4	405VP	$15,239	RVE-4	405VP	$16,002	RVS-4	$1,293	7VM
40	14400	H444VP	$15,925	RV-4	H444VP	$18,268	RVE-4	H444VP	$19,181	RVS-4	$1,305	7VM
50	14400	H445VP	$18,596	RV-4	H445VP	$21,385	RVE-4	H445VP	$22,455	RVS-4	$1,526	7VM
60	14400	447VP@	$27,272	RV-4	---	---	---	447VP@	$31,362	RVS-4	$1,789	7VM
75	14400	447VP@	$32,793	RV-4	---	---	---	447VP@	$37,711	RVS-4	$1,803	7VM
100	13600	449VP@	$41,427	RV-4	---	---	---	449VP@	$47,641	RVS-4	$1,901	9VM
125	13600	449VP@	$50,054	HV-4	---	---	---	449VP@	$57,559	HVS-4	$1,901	9VM
150	13600	5008VP	$57,535	RV-4	---	---	---	5008VP	$66,164	RVE-4	$2,190	9VM
200	15100	5012VP	$73,070	RV-4	---	---	---	5012VP	$84,028	RVE-4	$2,202	9VM
250	15100	5012VP	$74,789	RV-4	---	---	---	5012VP	$86,007	RVE-4	$2,225	9VM
300	15100	5012VP	$87,465	RV-4	---	---	---	5012VP	$100,585	RVE-4	$2,512	9VM
350	17300	5813VP	$119,695	RV-4	---	---	---	5813VP	$137,650	RVE-4	$2,948	9VM
400	17300	5813VP	$136,359	RV-4	---	---	---	5813VP	$156,815	RVE-4	$3,364	9VM
450	17300	5813VP	$150,751	RV-4	---	---	---	5813VP	$173,364	RVE-4	$3,718	9VM
500	17300	5813VP	$167,230	RV-4	---	---	---	5813VP	$192,315	RVE-4	$4,397	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.
+ 15,100 Lbs. Downthrust for 5012 Frame
* NRR = Non-Reverse Ratchet

See Page M-83 For Available And Alternate BD Dimensions

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

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

VSS-HT
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)	List	Type	Frame	BD (in)	List	Type		
200	15100	5012VP	24.5	$81,829	RV-4	5012VP	24.5	$94,103	RVE-4	$2,096	9VM
250	15100	5012VP	24.5	$105,315	RV-4	5012VP	24.5	$121,113	RVE-4	$2,700	9VM
300	17300	5813VP	30.5	$126,552	RV-4	5813VP	30.5	$145,535	RVE-4	$3,242	9VM
350	17300	5813VP	30.5	$136,075	RV-4	5813VP	30.5	$156,486	RVE-4	$3,486	9VM
400	17300	5813VP	30.5	$146,289	RV-4	5813VP	30.5	$168,230	RVE-4	$3,751	9VM
450	17300	5813VP	30.5	$176,136	RV-4	5813VP	30.5	$202,556	RVE-4	$4,514	9VM
500	17300	5813VP	30.5	$189,397	RV-4	5813VP	30.5	$217,805	RVE-4	$4,854	9VM
600	15000	6813P	30.5	$206,016	RV-4	6813P	30.5	$236,920	RVE-4	$5,279	9VM
700	15000	6813P	30.5	$224,505	RV-4	6813P	30.5	$258,181	RVE-4	$5,754	9VM
800	15000	6813P	30.5	$242,718	RV-4	6813P	30.5	$279,127	RVE-4	$6,221	9VM
900	15000	6813P	30.5	$262,108	RV-4	6813P	30.5	$301,423	RVE-4	$6,716	9VM
1000	15000	6813P	30.5	$283,401	RV-4	6813P	30.5	$325,911	RVE-4	$7,263	9VM
1250	15000	6813P	30.5	$314,915	RV-4	6813P	30.5	$362,150	RVE-4	$8,070	9VM
1500	14700	9607PH	42	$355,890	RV-4	9607PH	42	$409,272	RVE-4	$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

See Page M-83 For Available And Alternate BD Dimensions

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

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

VSS-HT
WPI
514 RPM
460 V

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)	List	Type	Frame	BD (in)	List	Type		
100	14200	5008VP	24.5	$71,322	RV-4	5008VP	24.5	$82,019	RVE-4	$1,408	9VM
125	16000	5012VP	24.5	$75,516	RV-4	5012VP	24.5	$86,843	RVE-4	$1,657	9VM
150	16000	5012VP	24.5	$82,690	RV-4	5012VP	24.5	$95,094	RVE-4	$1,887	9VM
200	16000	5012VP	24.5	$94,354	RV-4	5012VP	24.5	$108,554	RVE-4	$2,418	9VM
250	18500	5813VP	30.5	$103,716	RV-4	5813VP	30.5	$119,272	RVE-4	$2,561	9VM
300	18500	5813VP	30.5	$114,399	RV-4	5813VP	30.5	$131,559	RVE-4	$2,932	9VM
350	18500	5813VP	30.5	$136,000	RV-4	5813VP	30.5	$156,399	RVE-4	$3,298	9VM
400	18500	5813VP	30.5	$149,599	RV-4	5813VP	30.5	$172,038	RVE-4	$3,653	9VM
450	18500	5813VP	30.5	$164,556	RV-4	5813VP	30.5	$189,239	RVE-4	$3,979	9VM
500	16000	6813P	30.5	$181,012	RV-4	6813P	30.5	$208,164	RVE-4	$4,305	9VM

Momentary Upthrust Capacity is 30% of Standard High Thrust Design
* NRR = Non-Reverse Ratchet

See Page M-83 For Available And Alternate BD Dimensions

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

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

VSS-HT
WPI
514 RPM
2300 V

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)	List	Type	Frame	BD (in)	List	Type		
200	16000	5012VP	24.5	$132,908	RV-4	5012VP	24.5	$152,847	RVE-4	$3,404	9VM
250	18500	5813VP	30.5	$139,847	RV-4	5813VP	30.5	$160,824	RVE-4	$3,582	9VM
300	18500	5813VP	30.5	$156,573	RV-4	5813VP	30.5	$180,059	RVE-4	$4,012	9VM
350	18500	5813VP	30.5	$172,185	RV-4	5813VP	30.5	$198,014	RVE-4	$4,413	9VM
400	18500	5813VP	30.5	$187,796	RV-4	5813VP	30.5	$215,965	RVE-4	$4,812	9VM
450	18500	5813VP	30.5	$203,404	RV-4	5813VP	30.5	$233,915	RVE-4	$5,211	9VM
500	16000	6813P	30.5	$217,338	RV-4	6813P	30.5	$249,939	RVE-4	$5,570	9VM
600	16000	6813P	30.5	$237,087	RV-4	6813P	30.5	$272,650	RVE-4	$6,075	9VM
700	16000	6813P	30.5	$258,437	RV-4	6813P	30.5	$297,202	RVE-4	$6,622	9VM
800	16000	6813P	30.5	$286,704	RV-4	6813P	30.5	$329,709	RVE-4	$7,347	9VM
900	16000	6813P	30.5	$310,430	RV-4	6813P	30.5	$356,993	RVE-4	$7,955	9VM
1000	16000	6813P	30.5	$340,272	RV-4	6813P	30.5	$391,315	RVE-4	$8,721	9VM
1250	15800	9606PH	42	$386,352	RV-4	9606PH	42	$444,305	RVE-4	$9,901	9VM
1500	15800	9608PH	42	$419,951	RV-4	9608PH	42	$482,944	RVE-4	$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

See Page M-83 For Available And Alternate BD Dimensions

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

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

VSS-HT
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)	List	Type	Frame	BD (in)	List	Type		
100	16600	5012VP	24.5	$79,845	RV-4	5012VP	24.5	$91,822	RVE-4	$2,045	9VM
125	16600	5012VP	24.5	$95,045	RV-4	5012VP	24.5	$109,303	RVE-4	$2,437	9VM
150	16600	5012VP	24.5	$111,075	RV-4	5012VP	24.5	$127,735	RVE-4	$2,847	9VM
200	19500	5813VP	30.5	$142,582	RV-4	5813VP	30.5	$163,969	RVE-4	$3,653	9VM
250	19500	5813VP	30.5	$145,089	RV-4	5813VP	30.5	$166,852	RVE-4	$3,718	9VM
300	19500	5813VP	30.5	$166,031	RV-4	5813VP	30.5	$190,934	RVE-4	$4,256	9VM
350	19500	5813VP	30.5	$186,972	RV-4	5813VP	30.5	$215,019	RVE-4	$4,791	9VM
400	17000	6813P	30.5	$205,669	RV-4	6813P	30.5	$236,521	RVE-4	$5,270	9VM
450	17000	6813P	30.5	$224,366	RV-4	6813P	30.5	$258,023	RVE-4	$5,749	9VM
500	17000	6813P	30.5	$243,953	RV-4	6813P	30.5	$280,547	RVE-4	$6,251	9VM

Momentary Upthrust Capacity is 30% of Standard High Thrust Design
* NRR = Non-Reverse Ratchet

See Page M-83 For Available And Alternate BD Dimensions

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

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

VSS-HT
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)
* 1.00 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)	List	Type	Frame	BD (in)	List	Type		
250	19500	5813VP	30.5	$165,505	RV-4	5813VP	30.5	$190,331	RVE-4	$4,239	9VM
300	19500	5813VP	30.5	$185,552	RV-4	5813VP	30.5	$213,383	RVE-4	$4,754	9VM
350	19500	5813VP	30.5	$203,542	RV-4	5813VP	30.5	$234,073	RVE-4	$5,218	9VM
400	17000	6813P	30.5	$221,251	RV-4	6813P	30.5	$254,437	RVE-4	$5,669	9VM
450	17000	6813P	30.5	$240,350	RV-4	6813P	30.5	$276,404	RVE-4	$6,481	9VM
500	17000	6813P	30.5	$257,045	RV-4	6813P	30.5	$295,601	RVE-4	$6,587	9VM
600	17000	6813P	30.5	$282,840	RV-4	6813P	30.5	$325,268	RVE-4	$7,249	9VM
700	17000	6813P	30.5	$299,420	RV-4	6813P	30.5	$344,331	RVE-4	$7,674	9VM
800	16800	9603PH	42	$332,777	RV-4	9603PH	42	$382,695	RVE-4	$8,528	9VM
900	16800	9603PH	42	$374,378	RV-4	9603PH	42	$430,535	RVE-4	$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

See Page M-83 For Available And Alternate BD Dimensions

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

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

VSS-HT
WPI
400 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)	List	Type	Frame	BD (in)	List	Type		
250	20300	5813VP	30.5	$201,286	RV-4	5813VP	30.5	$231,479	RVE-4	$4,644	9VM
300	20300	5813VP	30.5	$223,589	RV-4	5813VP	30.5	$257,127	RVE-4	$5,157	9VM
350	18000	6813P	30.5	$243,660	RV-4	6813P	30.5	$280,209	RVE-4	$5,620	9VM
400	18000	6813P	30.5	$264,434	RV-4	6813P	30.5	$304,099	RVE-4	$6,098	9VM
450	18000	6813P	30.5	$282,800	RV-4	6813P	30.5	$325,221	RVE-4	$6,524	9VM
500	17700	9603PH	42	$298,296	RV-4	9603PH	42	$343,040	RVE-4	$6,879	9VM
600	17700	9605PH	42	$331,357	RV-4	9605PH	42	$381,059	RVE-4	$7,456	9VM
700	17700	9606PH	42	$351,631	RV-4	9606PH	42	$404,376	RVE-4	$8,111	9VM
800	17700	9607PH	42	$371,559	RV-4	9607PH	42	$427,291	RVE-4	$8,569	9VM
900	17700	9607PH	42	$391,486	RV-4	9607PH	42	$450,209	RVE-4	$9,030	9VM

Momentary Upthrust Capacity is 30% of Standard High Thrust Design
* NRR = Non-Reverse Ratchet

See Page M-83 For Available And Alternate BD Dimensions

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

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

VSS-HT
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)	List	Type	Frame	BD (in)	List	Type		
250	20300	5813VP	30.5	$201,286	RV-4	5813VP	30.5	$231,479	RVE-4	$5,160	9VM
300	20300	5813VP	30.5	$223,589	RV-4	5813VP	30.5	$257,127	RVE-4	$5,730	9VM
350	18000	6813P	30.5	$243,660	RV-4	6813P	30.5	$280,209	RVE-4	$6,244	9VM
400	18000	6813P	30.5	$264,434	RV-4	6813P	30.5	$304,099	RVE-4	$6,775	9VM
450	18000	6813P	30.5	$282,800	RV-4	6813P	30.5	$325,221	RVE-4	$7,249	9VM
500	17700	9603PH	42	$298,296	RV-4	9603PH	42	$343,040	RVE-4	$7,643	9VM
600	17700	9605PH	42	$331,357	RV-4	9605PH	42	$381,059	RVE-4	$8,284	9VM
700	17700	9606PH	42	$351,631	RV-4	9606PH	42	$404,376	RVE-4	$9,012	9VM
800	17700	9607PH	42	$371,559	RV-4	9607PH	42	$427,291	RVE-4	$9,521	9VM
900	17700	9607PH	42	$391,486	RV-4	9607PH	42	$450,209	RVE-4	$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

See Page M-83 For Available And Alternate BD Dimensions

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