

Three Phase Modifiable Motors
Vertical HOLLOSHAFT®
High 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

460 or 575 Volt

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

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

Momentary Upthrust Capacity is 30% of Standard High Thrust Design

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

**Cast Iron Frame

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

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

See Page M-83 For Available And Alternate BD Dimensions

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



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



APPLICATIONS:

For use on Turbine, Mix Flow and Propeller Pumps

FEATURES:

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

200, 230/460, 575 Volts (&)

HP	Down Thrust (lbs) (#)	Standard Efficient			Energy Efficient			Premium Efficient			NRR List Adder	Disc. Sym
		Frame	SRC List	Type	Frame	SRC List	Type	Frame	SRC List	Type		
15	3300	254TP	\$3,277	AU	254TP	\$3,780	AUE	254TP	\$4,057	AUS	\$329	7VM
20	3300	256TP	\$3,732	AU	256TP	\$4,201	AUE	256TP	\$4,446	AUS	\$376	7VM
25	3300	284TP	\$4,164	AU	284TP	\$4,799	AUE	284TP	\$5,060	AUS	\$418	7VM
30	3300	286TP	\$4,685	AU	286TP	\$5,236	AUE	286TP	\$5,512	AUS	\$465	7VM
40	5700	324TP	\$5,502	RU	324TP	\$5,841	RUE	324TP	\$6,148	RUS	\$484	7VM
50	5700	326TP	\$6,526	RU	326TP	\$6,859	RUE	326TP	\$7,220	RUS	\$577	7VM
60	5700	364TP	\$7,540	RU	364TP	\$8,057	RUE	364TP	\$8,481	RUS	\$662	7VM
75	5700	365TP	\$9,178	RU	365TP	\$9,627	RUE	365TP	\$10,134	RUS	\$808	7VM
100	6700	404TP	\$11,596	RU	404TP	\$12,323	RUE	404TP	\$12,972	RUS	\$1,019	7VM
125	6700	405TP	\$14,005	RU	405TP	\$15,342	RUE	405TP	\$16,149	RUS	\$1,235	7VM
150	9800	H444TP	\$17,033	RU	H444TP	\$20,207	RUE	H444TP	\$21,270	RUS	\$1,300	7VM
200	9800	H445TP	\$23,141	RU	H445TP	\$25,900	RUE	H445TP	\$27,263	RUS	\$1,347	7VM
250	9800	H445TP	\$27,559	RU	H445TP	\$32,546	RUE	H445TP	\$34,682	RUS	\$1,347	7VM
300	9800	447TP@	\$41,258	RU	447TP@	\$49,574	RUE	447TP@	\$52,183	RUS	\$1,559	8VM
350	9800	447TP@	\$45,446	RU	447TP@	\$53,963	RUE	447TP@	\$56,803	RUS	\$1,559	8VM
400	9500	449TP@	\$51,082	RU	449TP@	\$60,655	RU	449TP@	\$63,847	RUS	\$1,570	8VM
450	9500	449TP@	\$57,467	RU	449TP@	\$68,253	RU	449TP@	\$71,845	RUS	\$1,596	8VM
500	9500	449TP@	\$66,877	RU	449TP@	\$73,063	RU	449TP@	\$76,908	RUE	\$1,761	8VM
600	9500	5008P	\$76,286	RU	---	---	---	5012P+	\$94,552	RUE	\$1,908	8VM
700	10300	5012P	\$88,547	RU	---	---	---	5012P	\$109,857	RUE	\$2,214	8VM
800	10300	5012P	\$101,197	RU	---	---	---	5012P	\$125,552	RUE	\$2,531	8VM

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

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



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



APPLICATIONS:

For use on Turbine, Mix Flow and Propeller Pumps

FEATURES:

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

2300 Volt

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

Momentary Upthrust Capacity is 30% of Standard High Thrust Design
 @Contact your Nidec Motor Corporation Technical Representative for WPII frame size confirmation prior to quoting, 9500 Lbs. Downthrust + 10,300 Lbs Down Thrust for 5012 Frame
 * Maximum Full Load Test Capacity is 3500 HP
 * NRR = Non-Reverse Ratchet SRC= Self Release Coupling
 See Page M-83 For Available And Alternate BD Dimensions



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



APPLICATIONS:

For use on Turbine, Mix Flow and Propeller Pumps

FEATURES:

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

4160 Volt

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

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

See Page M-83 For Available And Alternate BD Dimensions



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Three Phase Modifiable Motors
Vertical HOLLOSHAFT®
High Thrust - "P" Base
Weather Protected Type I (WPI)
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

200, 230/460, 575 Volts (&)

HP	Down Thrust (lbs) (#)	Standard Efficient			Energy Efficient			Premium Efficient			NRR List Adder	Disc. Sym
		Frame	SRC List	Type	Frame	SRC List	Type	Frame	SRC List	Type		
7.5	3800	254TP	\$3,329	AU	254TP	\$4,063	AUE	254TP	\$4,307	AUS	\$376	7VM
10	3800	256TP	\$3,761	AU	256TP	\$4,629	AUE	256TP	\$4,907	AUS	\$385	7VM
15	3800	284TP	\$4,385	AU	284TP	\$5,507	AUE	284TP	\$5,837	AUS	\$411	7VM
20	3800	286TP	\$5,329	AU	286TP	\$6,451	AUE	286TP	\$6,838	AUS	\$469	7VM
25	6700	324TP	\$6,150	RU	324TP	\$7,617	RUE	324TP	\$7,998	RUS	\$540	7VM
30	6700	326TP	\$7,019	RU	326TP	\$8,486	RUE	326TP	\$8,911	RUS	\$620	7VM
40	6700	364TP	\$8,577	RU	364TP	\$11,181	RUE	364TP	\$11,739	RUS	\$756	7VM
50	6700	365TP	\$10,113	RU	365TP	\$12,716	RUE	365TP	\$13,352	RUS	\$869	7VM
60	7800	404TP	\$11,549	RU	404TP	\$15,167	RUE	404TP	\$15,925	RUS	\$1,019	7VM
75	7800	405TP	\$13,582	RU	405TP	\$17,200	RUE	405TP	\$18,059	RUS	\$1,197	7VM
100	11250	H444TP	\$16,775	RU	H444TP	\$22,305	RUE	H444TP	\$23,420	RUS	\$1,549	7VM
125	11250	H445TP	\$20,277	RU	H445TP	\$25,808	RUE	H445TP	\$27,099	RUS	\$1,549	7VM
150	11250	H445TP	\$24,493	RU	H445TP	\$30,023	RUE	H445TP	\$31,526	RUS	\$1,878	7VM
200	11250	447TP@	\$41,115	RU	447TP@	\$45,627	RUE	447TP@	\$48,028	RUS	\$1,756	8VM
250	11250	447TP@	\$42,918	RU	447TP@	\$50,825	RUE	447TP@	\$53,500	RUS	\$1,756	8VM
300	11000	449TP@	\$50,563	RU	449TP@	\$60,050	RU	449TP@	\$63,211	RUS	\$1,770	8VM
350	11000	5008P	\$58,399	RU	5008P	\$69,345	RU	5008P	\$72,995	RUE	\$1,784	8VM
400	11000	5008P	\$66,890	RU	5012P+	\$79,434	RU	5012P+	\$83,615	RUE	\$1,808	8VM
450	11900	5012P	\$74,002	RU	5012P	\$87,877	RU	5012P	\$92,502	RUE	\$2,066	8VM
500	11900	5012P	\$81,502	RU	5012P	\$96,773	RU	5012P	\$101,866	RUE	\$2,272	8VM
600	11900	5012P	\$97,803	RU	---	---	---	5012P	\$121,568	RUE	\$2,448	8VM
700	11900	5012P	\$114,103	RU	---	---	---	5012P	\$141,826	RUE	\$2,854	8VM
800	13700	5813P	\$130,387	RU	---	---	---	5813P	\$163,007	RUE	\$3,258	8VM

The Open Motor Product Is Not Available Below 254 Frame, Use TEFC
 # Momentary Upthrust Capacity is 30% of Standard High Thrust Design
 & Standard Voltages Thru 405 Frame; 444 Frame & Larger, Single Voltage 460 or 575 is standard
 @Contact your Nidec Motor Corporation Technical Representative for WPII frame size confirmation prior to quoting.
 + 11,900 LBS Down Thrust
 * NRR = Non-Reverse Ratchet SRC = Self Release Coupling
 * 60Hz 3600, 1800, 1200 & 900 RPM motors comply with U.S. D.O.E.'s Efficiency regulation 10 CFR Section 431 Subpart B – electric motors (See Page M-80 - M-81 for Nominal Efficiency Table)

See Page M-83 For Available And Alternate BD Dimensions



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



APPLICATIONS:

For use on Turbine, Mix Flow and Propeller Pumps

FEATURES:

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

2300 Volt

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

Momentary Upthrust Capacity is 30% of Standard High Thrust Design

+ 11,900 Lbs. Downthrust for 5012 Frame

* Maximum Full Load Test Capacity Is 3500 HP

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

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

See Page M-83 For Available And Alternate BD Dimensions



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



APPLICATIONS:

For use on Turbine, Mix Flow and Propeller Pumps

FEATURES:

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

4160 Volt

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

Momentary Upthrust Capacity is 30% of Standard High Thrust Design
+ 11,900 Lbs. Downthrust for 5012 Frame
* Maximum Full Load Test Capacity is 3500 HP
* NRR = Non-Reverse Ratchet SRC = Self Release Coupling
@Contact your Nidec Motor Corporation Technical Representative for WPII frame size confirmation prior to quoting.

See Page M-83 For Available And Alternate BD Dimensions



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



APPLICATIONS:

For use on Turbine, Mix Flow and Propeller Pumps

FEATURES:

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

200, 230/460, 575 Volts (&)

HP	Down Thrust (lbs) (#)	Standard Efficient			Energy Efficient			Premium Efficient			NRR List Adder	Disc. Sym
		Frame	SRC List	Type	Frame	SRC List	Type	Frame	SRC List	Type		
5	4200	254TP	\$3,352	AU	254TP	\$4,221	AUE	254TP	\$4,474	AUS	\$333	7VM
7.5	4200	256TP	\$3,859	AU	256TP	\$4,728	AUE	256TP	\$5,012	AUS	\$385	7VM
10	4200	284TP	\$4,268	AU	284TP	\$5,390	AUE	284TP	\$5,713	AUS	\$427	7VM
15	4200	286TP	\$5,432	AU	286TP	\$6,554	AUE	286TP	\$6,947	AUS	\$540	7VM
20	7400	324TP	\$6,366	RU	324TP	\$7,833	RUE	324TP	\$8,225	RUS	\$563	7VM
25	7400	326TP	\$7,333	RU	326TP	\$8,800	RUE	326TP	\$9,239	RUS	\$643	7VM
30	7400	364TP	\$8,225	RU	364TP	\$10,829	RUE	364TP	\$11,371	RUS	\$728	7VM
40	7400	365TP	\$9,915	RU	365TP	\$12,519	RUE	365TP	\$13,146	RUS	\$873	7VM
50	8600	404TP	\$11,300	RU	404TP	\$14,918	RUE	404TP	\$15,664	RUS	\$995	7VM
60	8600	405TP	\$13,033	RU	405TP	\$16,650	RUE	405TP	\$17,484	RUS	\$1,150	7VM
75	12500	H444TP	\$15,197	RU	H444TP	\$19,023	RUE	H444TP	\$19,974	RUS	\$1,164	7VM
100	12500	H445TP	\$20,329	RU	H445TP	\$24,439	RUE	H445TP	\$25,662	RUS	\$1,554	7VM
125	12500	447TP@	\$31,991	RU	447TP@	\$35,565	RUE	447TP@	\$37,437	RUS	\$1,937	8VM
150	12500	447TP@	\$38,962	RU	447TP@	\$42,295	RUE	447TP@	\$44,521	RUS	\$1,937	8VM
200	12000	449TP@	\$43,387	RU	449TP@	\$47,166	RU	449TP@	\$49,648	RUS	\$1,981	8VM
250	12000	5008P	\$52,472	RU	5008P	\$57,063	RU	5008P	\$60,066	RUE	\$2,011	8VM
300	13200	5012P	\$61,779	RU	5012P	\$67,058	RU	5012P	\$70,587	RUE	\$2,054	8VM
350	13200	5012P	\$71,655	RU	5012P	\$77,987	RU	5012P	\$82,092	RUE	\$2,230	8VM
400	13200	5012P	\$81,174	RU	5012P	\$88,361	RU	5012P	\$93,012	RUE	\$2,265	8VM
450	13200	5012P	\$90,629	RU	5012P	\$98,653	RU	5012P	\$103,845	RUE	\$2,531	8VM
500	13200	5012P	\$99,678	RU	5012P	\$108,578	RU	5012P	\$114,293	RUE	\$3,516	8VM
600	15000	5813P	\$131,596	RU	---	---	---	5813P	\$149,117	RUE	\$4,608	8VM
700	15000	5813P	\$146,962	RU	---	---	---	5813P	\$167,425	RUE	\$5,143	8VM
800	15000	5813P	\$167,958	RU	---	---	---	5813P	\$191,340	RUE	\$5,878	8VM

The Open Motor Product Is Not Available Below 254 Frame, Use TEFC
 # Momentary Upthrust Capacity is 30% of Standard High Thrust Design
 & Standard Voltages Thru 404 Frame; 405 Frame & Larger, Single Voltage 460 or 575 standard
 @Contact your Nidec Motor Corporation Technical Representative for WPII frame size confirmation prior to quoting.
 + 13,200 Lbs. Downthrust
 * NRR = Non-Reverse Ratchet SRC = Self Release Coupling
 * 60Hz 3600, 1800, 1200 & 900 RPM motors comply with U.S. D.O.E.'s Efficiency regulation 10 CFR Section 431 Subpart B – electric motors (See Page M-80 - M-81 for Nominal Efficiency Table)

See Page M-83 For Available And Alternate BD Dimensions



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

Three Phase Modifiable Motors
Vertical HOLLOSHAFT®
High Thrust - "P" Base
Weather Protected Type I (WPI)
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

2300 Volt

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

Momentary Upthrust Capacity is 30% of Standard High Thrust Design

+ 13,200 Lbs. Downthrust for 5012 Frame

~ Not For WPII Enclosure

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

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

See Page M-83 For Available And Alternate BD Dimensions



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



APPLICATIONS:

For use on Turbine, Mix Flow and Propeller Pumps

FEATURES:

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

4160 Volt

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

Momentary Upthrust Capacity is 30% of Standard High Thrust Design
+ 13,200 Lbs. Downthrust for 5012 Frame
~ Not For WP11 Enclosure
* NRR = Non-Reverse Ratchet SRC = Self Release Coupling
@Contact your Nidec Motor Corporation Technical Representative for WP11 frame size confirmation prior to quoting.

See Page M-83 For Available And Alternate BD Dimensions



Three Phase Modifiable Motors
Vertical HOLLSHAFT®
High 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

200, 230/460 575 Volts (&)

HP	Down Thrust (lbs) (#)	Standard Efficient			Energy Efficient			Premium Efficient			NRR List Adder	Disc. Sym
		Frame	SRC List	Type	Frame	SRC List	Type	Frame	SRC List	Type		
15	8000	326TP	\$7,606	RU	326TP	\$8,671	RUE	326TP	\$9,106	RUS	\$685	7VM
20	8000	364TP	\$8,913	RU	364TP	\$10,162	RUE	364TP	\$10,669	RUS	\$803	7VM
25	8000	365TP	\$10,268	RU	365TP	\$11,704	RUE	365TP	\$12,291	RUS	\$925	7VM
30	9300	404TP	\$11,516	RU	404TP	\$13,129	RUE	404TP	\$13,786	RUS	\$1,038	7VM
40	9300	405TP	\$13,878	RU	405TP	\$15,815	RUE	405TP	\$16,606	RUS	\$1,225	7VM
50	13500	H444TP	\$16,033	RU	H444TP	\$18,277	RUE	H444TP	\$19,190	RUS	\$1,230	7VM
60	13500	H445TP	\$17,671	RU	H445TP	\$20,239	RUE	H445TP	\$21,251	RUS	\$1,526	7VM
75	13500	H445TP	\$21,878	RU	H445TP	\$24,941	RUE	H445TP	\$26,188	RUS	\$1,671	7VM
100	13500	447TP@	\$35,716	RU	---	---	---	447TP@	\$40,822	RUS	\$1,873	9VM
125	13500	447TP@	\$42,988	RU	---	---	---	447TP@	\$49,164	RUS	\$1,897	9VM
150	13000	5008P	\$49,984	RU	---	---	---	5008P	\$57,157	RUE	\$2,202	9VM
200	13000	5008P	\$64,326	RU	---	---	---	5008P	\$73,613	RUE	\$2,354	9VM
250	14100	5012P	\$69,685	RU	---	---	---	5012P	\$79,796	RUE	\$2,425	9VM
300	14100	5012P	\$75,047	RU	---	---	---	5012P	\$85,981	RUE	\$2,495	9VM
350	14100	5012P	\$86,063	RU	---	---	---	5012P	\$98,613	RUE	\$2,671	9VM
400	16300	5813P	\$125,279	RU	---	---	---	5813P	\$143,601	RUE	\$3,756	9VM
450	16300	5813P	\$138,077	RU	---	---	---	5813P	\$158,272	RUE	\$4,143	9VM
500	16300	5813P	\$141,286	RU	---	---	---	5813P	\$161,946	RUE	\$4,239	9VM
600	16300	5813P	\$169,014	RU	---	---	---	5813P	\$193,732	RUE	\$5,070	9VM
700	16300	5813P	\$197,183	RU	---	---	---	5813P	\$226,021	RUE	\$6,181	9VM
800	16300	5813P	\$225,352	RU	---	---	---	5813P	\$258,310	RUE	\$6,761	9VM

Momentary Upthrust Capacity is 30% of Standard High Thrust Design
 & Standard Voltages Thru 404 Frame; 405 Frame & Larger, Single Voltage 460 or 575 standard
 @Contact your Nidec Motor Corporation Technical Representative for WPII frame size confirmation prior to quoting.
 * NRR = Non-Reverse Ratchet SRC= Self Release Coupling

See Page M-83 For Available And Alternate BD Dimensions



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



APPLICATIONS:

For use on Turbine, Mix Flow and Propeller Pumps

FEATURES:

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

2300 Volt

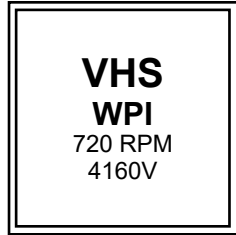
HP	Down Thrust (lbs) (#)	Standard Efficient				Premium Efficient				NRR List Adder	Disc. Sym
		Frame	BD (in)	SRC List	Type	Frame	BD (in)	SRC List	Type		
150	13000	5008P	24.5	\$58,822	RU	5008P	24.5	\$67,643	RUE	\$2,439	9VM
200	13000	5008P	24.5	\$72,413	RU	5008P	24.5	\$83,275	RUE	\$2,439	9VM
250	14100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

Momentary Upthrust Capacity is 30% of Standard High Thrust Design
 ~ Not For WP11 Enclosure
 * NRR = Non-Reverse Ratchet SRC = Self Release Coupling

See Page M-83 For Available And Alternate BD Dimensions



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



APPLICATIONS:

For use on Turbine, Mix Flow and Propeller Pumps

FEATURES:

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

4160 Volt

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

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

See Page M-83 For Available And Alternate BD Dimensions



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



APPLICATIONS:

For use on Turbine, Mix Flow and Propeller Pumps

FEATURES:

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

460 or 575 Volt

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

Momentary Upthrust Capacity is 30% of Standard High Thrust Design

+ 15,100 Lbs. Downthrust for 5012 Frame

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

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

See Page M-83 For Available And Alternate BD Dimensions



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



APPLICATIONS:

For use on Turbine, Mix Flow and Propeller Pumps

FEATURES:

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

2300 Volt*

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

- # Momentary Upthrust Capacity is 30% of Standard High Thrust Design
- ♦ Make Adder for 1.15 Service Factor if Desired
- * Make Special Voltage Adder for 4160 Volts
- * NRR = Non-Reverse Ratchet SRC = Self Release Coupling

See Page M-83 For Available And Alternate BD Dimensions



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



APPLICATIONS:

For use on Turbine, Mix Flow and Propeller Pumps

FEATURES:

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

460 or 575 Volt

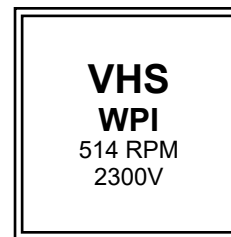
HP	Down Thrust (lbs) (#)	Standard Efficient				Premium Efficient				NRR List Adder	Disc. Sym
		Frame	BD (in)	SRC List	Type	Frame	BD (in)	SRC List	Type		
100	14200	5008P	24.5	\$73,106	RU	5008P	24.5	\$84,070	RUE	\$1,408	9VM
125	16000	5012P	24.5	\$77,404	RU	5012P	24.5	\$89,014	RUE	\$1,657	9VM
150	16000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

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

See Page M-83 For Available And Alternate BD Dimensions



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



APPLICATIONS:

For use on Turbine, Mix Flow and Propeller Pumps

FEATURES:

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

2300 Volt*

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

- # Momentary Upthrust Capacity is 30% of Standard High Thrust Design
- ♦ Make Adder for 1.15 Service Factor if Desired
- * Make Special Voltage Adder For 4160 Volts
- * NRR = Non-Reverse Ratchet SRC = Self Release Coupling

See Page M-83 For Available And Alternate BD Dimensions



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



APPLICATIONS:

For use on Turbine, Mix Flow and Propeller Pumps

FEATURES:

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

460 or 575 Volt

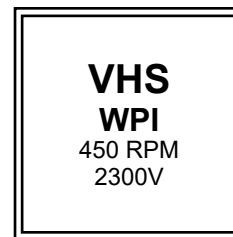
HP	Down Thrust (lbs) (#)	Standard Efficient				Premium Efficient				NRR List Adder	Disc. Sym
		Frame	BD (in)	SRC List	Type	Frame	BD (in)	SRC List	Type		
100	16600	5012P	24.5	\$81,840	RU	5012P	24.5	\$94,117	RUE	\$2,045	9VM
125	16600	5012P	24.5	\$97,420	RU	5012P	24.5	\$112,033	RUE	\$2,437	9VM
150	16600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

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

See Page M-83 For Available And Alternate BD Dimensions



Three Phase Modifiable Motors
Vertical HOLLOWSHAFT®
High Thrust - "P" Base
Weather Protected Type I (WPI)
16 Pole, 450 RPM



APPLICATIONS:

For use on Turbine, Mix Flow and Propeller Pumps

FEATURES:

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

2300 Volt*

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

Momentary Upthrust Capacity is 30% of Standard High Thrust Design

◆ Make Adder for 1.15 Service Factor if Desired

* Make Special Voltage Adder for 4160 Volts

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

See Page M-83 For Available And Alternate BD Dimensions



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



APPLICATIONS:

For use on Turbine, Mix Flow and Propeller Pumps

FEATURES:

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

460 or 575 Volt

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

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

See Page M-83 For Available And Alternate BD Dimensions



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



APPLICATIONS:

For use on Turbine, Mix Flow and Propeller Pumps

FEATURES:

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

2300 Volt*

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

- # Momentary Upthrust Capacity is 30% of Standard High Thrust Design
- ♦ Make Adder for 1.15 Service Factor if Desired
- * Make Special Voltage Adder For 4160 Volts
- * NRR = Non-Reverse Ratchet SRC = Self Release Coupling

See Page M-83 For Available And Alternate BD Dimensions

