Three Phase Modifiable Motors
Vertical HOLLOSHAFT®
High Thrust - "P" Base
Totally Enclosed Fan Cooled (TEFC)
2 Pole, 3600 RPM

VHS
TEFC
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)
* 1.00 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	Adder C.L.1 Grp.D Haz Loc.	Disc. Sym
		Frame	SRC List	Type	Frame	SRC List	Type	Frame	SRC List	Type			
3	2200	182TP	$2,465	TU	182TP	$2,820	TUE	182TP	$2,968	TUS	$333	$634	7VM
5	2200	184TP	$2,488	TU	184TP	$2,881	TUE	184TP	$3,033	TUS	$333	$634	7VM
7.5	2200	213TP	$2,667	TU	213TP	$3,005	TUE	213TP	$3,164	TUS	$343	$822	7VM
10	2200	215TP	$2,878	TU	215TP	$3,311	TUE	215TP	$3,485	TUS	$352	$822	7VM
15	2600	254TP	$3,343	TU	254TP	$3,740	TUE	254TP	$3,937	TUS	$413	$1,502	7VM
20	2600	256TP	$4,498	TU	256TP	$5,006	TUE	256TP	$5,270	TUS	$446	$1,502	7VM
25	2600	284TP	$4,751	TU	284TP	$5,576	TUE	284TP	$5,869	TUS	$474	$2,347	7VM
30	2600	286TP	$5,244	TU	286TP	$6,030	TUE	286TP	$6,347	TUS	$521	$2,347	7VM
40	3400	324TP	$7,347	TU	324TP	$8,259	TUE	324TP	$8,694	TUS	$648	$3,192	7VM
50	3400	326TP	$8,474	TU	326TP	$9,299	TUE	326TP	$9,788	TUS	$746	$3,192	7VM
60	3800	364TP	$10,831	TU	364TP	$12,174	TUE	364TP	$12,815	TUS	$953	$4,225	7VM
75	3800	365TP	$13,531	TU	365TP	$15,677	TUE	365TP	$16,502	TUS	$1,192	$4,225	7VM
100	3900	405TP	$19,484	TU	405TP	$21,171	TUE	405TP	$22,285	TUS	$1,718	$4,930	7VM
125	3900	444TP	$26,643	TU	444TP	$31,229	TUE	447TP**	$38,790	TUS	$2,038	$6,103	7VM

Momentary Upthrust Capacity is 30% of Standard High Thrust Design
& Standard Voltages Thru; 405 Frame & Larger, Single Voltage 460 or 575 Standard
• NRR = Non-Reverse Ratchet SRC= Self Release Coupling
** NEMA Design A

FRAME	STD. BD	ALT. BD	MAX BX	CD
180	10	---	1.001	17.563
210	10	---	1.001	17.563
250	10	12	1.251	22.938
280	10	12-16.5	1.251	26.563
320	16.5	12	1.501	28.500
360	16.5	---	1.501	30.000
400	16.5	20	1.688	39.938
444-5	16.5	20	1.937	42.500

FRAME	STD. BD	ALT. BD	MAX BX	CD
447	16.5	20	1.937	46.000
449	24.5	20	2.501	56.875
5008	24.5	20	2.501	56.500
5807	30.5	24.5	2.750	61.531
5809	30.5	24.5	2.750	68.531
5811	30.5	24.5	2.750	76.531
5812	30.5	36	2.750	83.880
6812	36.0	30.5-42	2.750	83.880

See Page M-84 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 HOLLOSHAFT®
High Thrust - "P" Base
Totally Enclosed Fan Cooled (TEFC)
4 Pole, 1800 RPM

VHS
TEFC
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)
* 1.00 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	Adder C.L.1 Grp. D. Haz. Loc.	Disc. Sym
		Frame	SRC List	Type	Frame	SRC List	Type	Frame	SRC List	Type			
3	2500	182TP	$2,444	TU	182TP	$2,643	TUE	182TP	$2,782	TUS	$333	$634	7VM
5	2500	184TP	$2,469	TU	184TP	$2,670	TUE	184TP	$2,810	TUS	$333	$634	7VM
7.5	2500	213TP	$2,556	TU	213TP	$2,933	TUE	213TP	$3,088	TUS	$343	$822	7VM
10	2500	215TP	$2,878	TU	215TP	$3,230	TUE	215TP	$3,400	TUS	$352	$822	7VM
15	3300	254TP	$4,263	TU	254TP	$4,680	TUE	254TP	$4,927	TUS	$423	$1,502	7VM
20	3300	256TP	$4,854	TU	256TP	$5,227	TUE	256TP	$5,502	TUS	$488	$1,502	7VM
25	3300	284TP	$5,413	TU	284TP	$5,939	TUE	284TP	$6,251	TUS	$545	$2,347	7VM
30	3300	286TP	$6,089	TU	286TP	$6,563	TUE	286TP	$6,909	TUS	$610	$2,347	7VM
40	4500	324TP	$7,700	TU	324TP	$8,394	TUE	324TP	$8,836	TUS	$681	$3,192	7VM
50	4500	326TP	$9,136	TU	326TP	$9,722	TUE	326TP	$10,233	TUS	$808	$3,192	7VM
60	5600	364TP	$11,305	TU	364TP	$12,148	TUE	364TP	$12,787	TUS	$1,000	$4,225	7VM
75	5600	365TP	$13,770	TU	365TP	$14,423	TUE	365TP	$15,182	TUS	$1,211	$4,225	7VM
100	7000	405TP	$18,554	TU	405TP	$19,533	TUE	405TP	$20,561	TUS	$1,634	$4,930	7VM
125	9300	444TP	$24,399	TU	444TP	$27,699	TUE	444TP	$29,157	TUS	$1,869	$6,103	7VM
150	9300	447TP	$29,803	TU	447TP	$32,687	TUE	447TP	$34,407	TUS	$2,282	$7,042	7VM
200	9300	447TP	$41,653	TU	447TP	$43,630	TUE	447TP	$45,926	TUS	$3,188	$7,042	7VM
250	8800 8800	449TP 5008P	$56,406 $68,981	JU EU	449TP 5008P	$61,623 $75,363	JU EU	449TP 5008P	$64,866 $79,329	JUE EUE	$1,352 $1,352	N/A ---	8VM 8VM
300	8800 8800	449TP 5008P	$62,660 $73,221	JU EU	449TP 5008P	$68,456 $79,994	JU EU	449TP 5008P	$72,059 $84,204	JUE EUE	$1,512 $1,512	N/A ---	8VM 8VM
350	8800 8800	449TP 5008P	$73,596 $84,925	JU EU	449TP 5807P	$80,404 $92,781	JU EU	449TP 5807P	$84,636 $97,664	JUE EUE	$1,784 $1,784	N/A ---	8VM 8VM
400	9500	5807P	$83,352	JU	5807P	$91,061	JU	5807P	$95,854	JUE	$1,873	$11,326	8VM
450	9500	5807P	$93,638	JU	5807P	$102,301	JU	5807P	$107,685	JUE	$1,873	$13,465	8VM
500	9500	5809P	$103,662	JU	5809P	$113,250	JU	5809P	$119,211	JUE	$2,075	$13,465	8VM
600	9500	5811P	$149,812	JU	---	---	---	5811P	$172,284	JUE	$2,408	$22,007	8VM
700	9300	5812P	$169,286	JU	---	---	---	5812P	$194,678	JUE	$2,650	N/A	8VM
800	9300	5812P	$195,386	JU	---	---	---	5812P	$224,694	JUE	$3,045	N/A	8VM

Momentary Upthrust Capacity is 30% of Standard High Thrust Design
& Standard Voltages Thru 404 Frame; 405 Frame & Larger, Single Voltage 460 or 575 standard
• NRR = Non-Reverse Ratchet SRC= Self Release Coupling

See Page M-84 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
Totally Enclosed Fan Cooled (TEFC)
4 Pole, 1800 RPM

VHS
TEFC
1800 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)
* 1.00 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	Adder C.L.1 Grp. D. Haz. Loc.	Disc. Sym
		Frame	BD (in)	SRC List	Type	Frame	BD(in)	SRC List	Type			
150	8800	449TP	24.5	$59,493	JU	449TP	24.5	$68,418	JUE	$1,387	N/A	8VM
	8800	5008P	24.5	$66,141	EU	5008P	24.5	$76,061	EUE	$1,387	---	8VM
200	8800	449TP	24.5	$65,793	JU	449TP	24.5	$75,662	JUE	$1,535	N/A	8VM
	8800	5008P	24.5	$73,462	EU	5008P	24.5	$84,481	EUE	$1,535	---	8VM
250	8800	449TP	24.5	$71,380	JU	449TP	24.5	$82,087	JUE	$1,723	N/A	8VM
	8800	5008P	24.5	$82,049	EU	5008P	24.5	$94,357	EUE	$1,723	---	8VM
300	9500	5807P	30.5	$80,418	JU	5807P	30.5	$92,481	JUE	$1,854	$10,563	8VM
350	9500	5807P	30.5	$92,143	JU	5807P	30.5	$105,965	JUE	$1,854	$13,469	8VM
400	9500	5807P	30.5	$102,477	JU	5809P	30.5	$117,847	JUE	$2,061	$13,469	8VM
450	9500	5809P	30.5	$114,331	JU	5809P	30.5	$131,481	JUE	$2,286	$19,484	8VM
500	9500	5811P	30.5	$130,575	JU	5811P	30.5	$150,162	JUE	$2,627	$19,484	8VM
600	9500	5811P	30.5	$156,690	JU	5811P	30.5	$180,195	JUE	$3,134	$22,007	8VM
700	9300	5812P	30.5	$182,805	JU	5812P	30.5	$210,225	JUE	$4,573	N/A	8VM
800	9300	5812P	30.5	$195,386	JU	5812P	30.5	$224,694	JUE	$5,170	N/A	8VM
900	9300	5812P	30.5	$207,239	JU	5812P	30.5	$238,325	JUE	$5,484	N/A	8VM
1000	9300	5812P	30.5	$218,474	JU	5812P	30.5	$251,245	JUE	$5,780	N/A	8VM
1250**	9300	5812P	30.5	$244,226	JU	5812P	30.5	$280,860	JUE	$6,462	N/A	8VM
1500	10900	6812PA	36	$266,206	JU	6812PA	36	$306,137	JUE	$6,850	N/A	9VM
1750	10900	6812PA	36	$290,164	JU	6812PA	36	$333,689	JUE	$7,261	N/A	9VM
2000**	10900	6812PA	36	$316,279	JU	6812PA	36	$363,721	JUE	$7,696	N/A	9VM

4160 Volt

HP	Down Thrust (lbs) (#)	Standard Efficient				Premium Efficient				NRR List Adder	Adder C.L.1 Grp. D. Haz. Loc.	Disc. Sym
		Frame	BD (in)	SRC List	Type	Frame	BD(in)	SRC List	Type			
150	8800	449TP	24.5	$63,657	JU	449TP	24.5	$73,207	JUE	$1,387	N/A	8VM
	8800	5008P	24.5	$70,305	EU	5008P	24.5	$80,852	EUE	$1,387	---	8VM
200	8800	449TP	24.5	$70,397	JU	449TP	24.5	$80,960	JUE	$1,535	N/A	8VM
	8800	5008P	24.5	$78,066	EU	5008P	24.5	$89,775	EUE	$1,535	---	8VM
250	9500	5807P	30.5	$76,549	JU	5807P	30.5	$88,033	JUE	$1,723	N/A	8VM
	9500	5807P	30.5	$87,218	EU	5807P	30.5	$100,300	EUE	$1,723	---	8VM
300	9500	5807P	30.5	$86,232	JU	5807P	30.5	$99,167	JUE	$1,854	$10,563	8VM
350	9500	5807P	30.5	$98,845	JU	5807P	30.5	$113,671	JUE	$1,854	$13,469	8VM
400	9500	5809P	30.5	$108,439	JU	5809P	30.5	$124,704	JUE	$2,061	$13,469	8VM
450	9500	5809P	30.5	$120,986	JU	5811P	30.5	$139,134	JUE	$2,286	$19,484	8VM
500	9500	5811P	30.5	$138,176	JU	5811P	30.5	$158,901	JUE	$2,627	$19,484	8VM
600	9500	5811P	30.5	$165,810	JU	5811P	30.5	$190,681	JUE	$3,134	$22,007	8VM
700	9300	5812P	30.5	$193,446	JU	5812P	30.5	$222,462	JUE	$4,573	N/A	8VM
800	9300	5812P	30.5	$205,155	JU	5812P	30.5	$235,929	JUE	$5,170	N/A	8VM
900	9300	5812P	30.5	$217,600	JU	5812P	30.5	$250,241	JUE	$5,484	N/A	8VM
1000	9300	5812P	30.5	$229,398	JU	5812P	30.5	$263,807	JUE	$5,780	N/A	8VM
1250 **	9300	5812P	30.5	$256,437	JU	5812P	30.5	$294,903	JUE	$6,462	N/A	8VM
1500	10900	6812PA	36	$279,516	JU	6812PA	36	$321,443	JUE	$6,850	N/A	9VM
1750	10900	6812PA	36	$304,672	JU	6812PA	36	$350,373	JUE	$7,261	N/A	9VM
2000**	10900	6812PA	36	$332,093	JU	6812PA	36	$381,907	JUE	$7,696	N/A	9VM

Momentary Upthrust Capacity is 30% of Standard High Thrust Design
** Class B rise by embedded detector at 1.0 Service Factor. Price includes 100 ohm winding Resistance Temperature Detectors
• NRR = Non-Reverse Ratchet SRC= Self Release Coupling

See Page M-84 For Available And Alternate BD Dimensions

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Three Phase Modifiable Motors
Vertical HOLLOSHAFT®
High Thrust - "P" Base
Totally Enclosed Fan Cooled (TEFC)
6 Pole, 1200 RPM

VHS
TEFC
1200 RPM
460V

APPLICATIONS:

For use on Turbine, Mix Flow and Propeller Pumps

FEATURES:

* Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
* 1.00 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	Adder C.L.1 Grp. D. Haz. Loc.	Disc. Sym
		Frame	SRC List	Type	Frame	SRC List	Type	Frame	SRC List	Type			
2	2900	184TP	$2,704	TU	184TP	$2,953	TUE	184TP	$3,101	TUS	$286	$634	7VM
3	2900	213TP	$2,934	TU	213TP	$3,418	TUE	213TP	$3,589	TUS	$291	$822	7VM
5	2900	215TP	$3,634	TU	215TP	$4,369	TUE	215TP	$4,587	TUS	$394	$822	7VM
7.5	3800	254TP	$4,329	TU	254TP	$5,063	TUE	254TP	$5,317	TUS	$469	$1,502	7VM
10	3800	256TP	$4,887	TU	256TP	$5,756	TUE	256TP	$6,045	TUS	$488	$1,502	7VM
15	3800	284TP	$5,700	TU	284TP	$6,822	TUE	284TP	$7,162	TUS	$568	$2,347	7VM
20	3800	286TP	$6,930	TU	286TP	$8,052	TUE	286TP	$8,455	TUS	$690	$2,347	7VM
25	5100	324TP	$8,606	TU	324TP	$10,073	TUE	324TP	$10,577	TUS	$761	$3,192	7VM
30	5100	326TP	$9,826	TU	326TP	$11,293	TUE	326TP	$11,859	TUS	$864	$3,192	7VM
40	6400	364TP	$12,864	TU	364TP	$15,467	TUE	364TP	$16,239	TUS	$1,136	$4,225	7VM
50	6400	365TP	$15,169	TU	365TP	$17,772	TUE	365TP	$18,662	TUS	$1,338	$4,225	7VM
60	8000	404TP	$18,474	TU	404TP	$22,092	TUE	404TP	$23,197	TUS	$1,634	$4,930	7VM
75	8000	405TP	$21,732	TU	405TP	$27,263	TUE	405TP	$28,627	TUS	$1,915	$4,930	7VM
100	10600	444TP	$28,300	TU	444TP	$33,831	TUE	444TP	$35,523	TUS	$2,925	$6,103	7VM
125	10600	447TP	$35,488	TU	447TP	$41,019	TUE	447TP	$43,068	TUS	$3,371	$7,042	7VM
150	10600	447TP	$44,094	TU	447TP	$50,275	TUE	447TP	$52,789	TUS	$3,371	$7,042	7VM
200	10000 10000	449TP 5008P	$71,305 $81,869	JU EU	449TP 5008P	$77,900 $89,441	JU EU	449TP 5008P	$82,000 $94,148	JUE EUE	$1,967 $1,967	N/A ---	8VM 8VM
250	10000 10000	449TP 5008P	$75,354 $87,477	JU EU	449TP 5008P	$82,324 $95,569	JU EU	449TP 5008P	$86,657 $100,599	JUE EUE	$2,077 $2,077	N/A ---	8VM 8VM
300	10000 11000	449TP 5807P	$89,925 $101,251	JU EU	449TP 5807P	$98,242 $110,617	JU EU	449TP 5807P	$103,413 $116,439	JUE EUE	$2,077 $2,077	N/A ---	8VM 8VM
350	11000	5807P	$104,754	JU	5807P	$114,444	JU	5807P	$120,467	JUE	$2,096	$13,469	8VM
400	11000	5807P	$120,305	JU	5807P	$131,434	JU	5807P	$138,352	JUE	$2,406	$13,469	8VM
450	11000	5809P	$135,343	JU	5809P	$147,861	JU	5809P	$155,643	JUE	$2,709	$19,484	8VM
500	11000	5809P	$150,383	JU	5809P	$164,292	JU	5809P	$172,939	JUE	$3,007	$19,484	8VM
600	11000	5811P	$180,458	JU	---	---	---	5811P	$207,526	JUE	$3,610	$22,007	8VM
700	10600	5812P	$193,883	JU	---	---	---	5812P	$222,965	JUE	$3,900	N/A	8VM

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

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

See Page M-84 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
Totally Enclosed Fan Cooled (TEFC)
6 Pole, 1200 RPM

VHS
TEFC
1200 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)
* 1.00 Service Factor (Sine Wave Power)
* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude
* NEMA Design "B"
* 3 Phase 60 Hz

2300 Volts

HP	Down Thrust (lbs) (#)	Standard Efficient				Premium Efficient				NRR List Adder	Adder C.L.1 Grp. D. Haz. Loc.	Disc. Sym
		Frame	BD (in)	SRC List	Type	Frame	BD(in)	SRC List	Type			
125	10000 10000	449TP 5008P	24.5 24.5	$66,758 $73,406	JU EU	449TP 5008TP	24.5 24.5	$76,772 $84,418	JUE EUE	$2,174 $2,174	N/A ---	8VM 8VM
150	10000 10000	449TP 5008P	24.5 24.5	$73,169 $79,270	JU EU	449TP 5008TP	24.5 24.5	$84,146 $91,160	JUE EUE	$2,174 $2,174	N/A ---	8VM 8VM
200	10000 10000	449TP 5008P	24.5 24.5	$85,531 $94,737	JU EU	449TP 5008TP	24.5 24.5	$98,359 $108,948	JUE EUE	$2,174 $2,174	N/A ---	8VM 8VM
250	11000	5807P	30.5	$95,904	JU	5807P	30.5	$110,289	JUE	$2,200	$11,326	8VM
300	11000	5807P	30.5	$111,033	JU	5807P	30.5	$127,688	JUE	$2,225	$13,469	8VM
350	11000	5807P	30.5	$124,965	JU	5807P	30.5	$143,709	JUE	$2,261	$13,469	8VM
400	11000	5809P	30.5	$140,305	JU	5809P	30.5	$161,352	JUE	$2,406	$19,484	8VM
450	11000	5809P	30.5	$161,350	JU	5809P	30.5	$185,552	JUE	$2,918	$19,484	8VM
500	11000	5811P	30.5	$183,939	JU	5811P	30.5	$211,531	JUE	$3,324	$19,484	8VM
600	10600	5812P	30.5	$211,528	JU	5812P	30.5	$243,261	JUE	$3,824	N/A	8VM
700	10600	5812P	30.5	$224,928	JU	5812P	30.5	$258,667	JUE	$5,952	N/A	8VM
800**	10600	5812P	30.5	$241,438	JU	5812P	30.5	$277,654	JUE	$6,388	N/A	8VM
900	13700	6812PA	36	$254,904	JU	6812PA	36	$293,140	JUE	$6,771	N/A	9VM
1000	13700	6812PA	36	$268,723	JU	6812PA	36	$309,031	JUE	$7,178	N/A	9VM
1250	13700	6812PA	36	$300,397	JU	6812PA	36	$345,457	JUE	$7,608	N/A	9VM

4160 Volts

HP	Down Thrust (lbs) (#)	Standard Efficient				Premium Efficient				NRR List Adder	Adder C.L.1 Grp. D. Haz. Loc.	Disc. Sym
		Frame	BD (in)	SRC List	Type	Frame	BD(in)	SRC List	Type			
150	10000 10000	449TP 5008P	24.5 24.5	$85,857 $91,944	JU EU	449TP 5008P	24.5 24.5	$98,735 $105,735	JUE EUE	$2,174 $2,174	N/A ---	8VM 8VM
200	11000 11000	5807P 5807P	30.5 30.5	$96,850 $106,054	JU EU	5807P 5807P	30.5 30.5	$111,378 $121,962	JUE EUE	$2,174 $2,174	N/A ---	8VM 8VM
250	11000	5807P	30.5	$102,880	JU	5807P	30.5	$118,310	JUE	$2,200	$11,326	8VM
300	11000	5807P	30.5	$117,495	JU	5807P	30.5	$135,120	JUE	$2,225	$13,469	8VM
350	11000	5807P	30.5	$132,385	JU	5807P	30.5	$152,242	JUE	$2,261	$13,469	8VM
400	11000	5809P	30.5	$148,376	JU	5809P	30.5	$170,631	JUE	$2,406	$19,484	8VM
450	11000	5811P	30.5	$170,629	JU	5811P	30.5	$196,223	JUE	$2,918	$19,484	8VM
500	11000	5811P	30.5	$194,516	JU	5811P	30.5	$223,695	JUE	$3,324	$19,484	8VM
600	10600	5812P	30.5	$223,695	JU	5812P	30.5	$257,249	JUE	$3,824	N/A	8VM
700	10600	5812P	30.5	$236,174	JU	5812P	30.5	$271,600	JUE	$5,952	N/A	8VM
800**	10600	5812P	30.5	$253,509	JU	5812P	30.5	$291,535	JUE	$6,388	N/A	8VM
900	13700	6812PA	36	$268,737	JU	6812PA	36	$309,048	JUE	$6,771	N/A	9VM
1000	13700	6812PA	36	$282,159	JU	6812PA	36	$324,483	JUE	$7,178	N/A	9VM
1250	13700	6812PA	36	$315,417	JU	6812PA	36	$362,730	JUE	$7,608	N/A	9VM

Momentary Upthrust Capacity is 30% of Standard High Thrust Design
** Class B rise by embedded detector at 1.0 Service Factor. Price includes 100 ohm winding Resistance Temperature Detectors
• NRR = Non-Reverse Ratchet SRC= Self Release Coupling
See Page M-84 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
Totally Enclosed Fan Cooled (TEFC)
8 Pole, 900 RPM

VHS
TEFC
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)
* 1.00 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	Adder C.L.1 Grp. D. Haz. Loc.	Disc. Sym
		Frame	SRC List	Type	Frame	SRC List	Type	Frame	SRC List	Type			
1.5	3200	184TP	$2,512	TU	184TP	$2,995	TUE	184TP	$3,146	TUS	$286	$634	7VM
2	3200	213TP	$2,533	TU	213TP	$3,268	TUE	213TP	$3,432	TUS	$291	$822	7VM
3	3200	215TP	$2,878	TU	215TP	$3,613	TUE	215TP	$3,793	TUS	$385	$822	7VM
5	4200	254TP	$4,357	TU	254TP	$5,225	TUE	254TP	$5,486	TUS	$469	$1,502	7VM
7.5	4200	256TP	$5,019	TU	256TP	$5,887	TUE	256TP	$6,181	TUS	$540	$1,502	7VM
10	4200	284TP	$6,207	TU	284TP	$7,329	TUE	284TP	$7,695	TUS	$540	$2,347	7VM
15	4200	286TP	$7,061	TU	286TP	$8,183	TUE	286TP	$8,592	TUS	$704	$2,347	7VM
20	5600	324TP	$8,915	TU	324TP	$10,383	TUE	324TP	$10,901	TUS	$784	$3,192	7VM
25	5600	326TP	$10,263	TU	326TP	$11,730	TUE	326TP	$12,317	TUS	$894	$3,192	7VM
30	7000	364TP	$12,343	TU	364TP	$14,946	TUE	364TP	$15,692	TUS	$1,089	$4,225	7VM
40	7000	365TP	$14,878	TU	365TP	$17,481	TUE	365TP	$18,354	TUS	$1,310	$4,225	7VM
50	8800	404TP	$18,080	TU	404TP	$21,697	TUE	404TP	$22,782	TUS	$1,596	$4,930	7VM
60	8800	405TP	$20,859	TU	405TP	$24,477	TUE	405TP	$25,700	TUS	$1,840	$4,930	7VM
75	11700	444TP	$26,601	TU	444TP	$32,131	TUE	444TP	$33,737	TUS	$2,033	$6,103	7VM
100	11700	447TP	$35,573	TU	447TP	$41,103	TUE	447TP	$43,160	TUS	$2,718	$7,042	7VM
125	11700	447TP	$47,455	TU	447TP	$52,986	TUE	447TP	$55,636	TUS	$2,718	$7,042	7VM
150	11000 11000	449TP 5008P	$72,289 $81,972	JU EU	449TP 5008P	$78,974 $89,555	JU EU	449TP 5008P	$83,131 $94,268	JUE EUE	$1,674 $1,674	N/A ---	8VM 8VM
200	11000 11000	449TP 5008P	$83,101 $92,972	JU EU	449TP 5008P	$90,788 $101,572	JU EU	449TP 5008P	$95,566 $106,918	JUE EUE	$1,674 $1,674	N/A ---	8VM 8VM
250	11000 12300	449TP 5807P	$93,310 $104,636	JU EU	449TP 5807P	$101,943 $114,314	JU EU	449TP 5807P	$107,308 $120,331	JUE EUE	$1,878 $1,878	N/A ---	8VM 8VM
300	12300	5807P	$110,915	JU	5807P	$121,176	JU	5807P	$127,554	JUE	$2,690	$13,465	8VM
350	12300	5807P	$128,873	JU	5807P	$140,794	JU	5807P	$148,204	JUE	$3,143	$13,465	8VM
400	12300	5809P	$146,784	JU	5809P	$160,363	JU	5809P	$168,803	JUE	$3,671	$19,484	8VM
450	12300	5809P	$161,556	JU	5809P	$176,500	JU	5809P	$185,789	JUE	$4,038	$19,484	8VM
500	12300	5811P	$183,392	JU	5811P	$200,356	JU	5811P	$210,901	JUE	$4,587	$22,007	8VM
600	11700	5812P	$208,898	JU	---	---	---	5812P	$240,233	JUE	$5,153	N/A	8VM
700	15000	6812PA	$236,054	JU	---	---	---	6812PA	$271,463	JUE	$5,563	N/A	9VM
800	15000	6812PA	$266,741	JU	---	---	---	6812PA	$306,752	JUE	$6,146	N/A	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
• 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-84 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
Totally Enclosed Fan Cooled (TEFC)
8 Pole, 900 RPM

VHS
TEFC
900 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)
* 1.00 Service Factor (Sine Wave Power)
* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude
* NEMA Design "B"
* 3 Phase 60 Hz

2300 Volts

HP	Down Thrust (lbs) (#)	Standard Efficient				Premium Efficient				NRR List Adder	Adder C.L.1 Grp. D. Haz. Loc.	Disc. Sym
		Frame	BD (in)	SRC List	Type	Frame	BD (in)	SRC List	Type			
125	11000	449TP	24.5	$77,042	JU	449TP	24.5	$88,599	JUE	$1,955	N/A	8VM
	11000	5008P	24.5	$87,606	EU	5008P	24.5	$100,746	EUE	$1,955	---	8VM
150	11000	449TP	24.5	$85,925	JU	449TP	24.5	$98,815	JUE	$2,185	N/A	8VM
	11000	5008P	24.5	$96,488	EU	5008P	24.5	$110,962	EUE	$2,185	---	8VM
200	12300	5807P	30.5	$106,756	JU	5807P	30.5	$122,770	JUE	$2,230	$13,469	8VM
250	12300	5807P	30.5	$119,437	JU	5807P	30.5	$137,352	JUE	$2,390	$13,469	8VM
300	12300	5807P	30.5	$136,068	JU	5807P	30.5	$156,479	JUE	$2,721	$13,469	8VM
350	12300	5809P	30.5	$154,049	JU	5809P	30.5	$177,157	JUE	$3,852	$19,484	8VM
400	12300	5809P	30.5	$176,056	JU	5809P	30.5	$202,465	JUE	$4,385	$19,484	8VM
450	12300	5811P	30.5	$204,667	JU	5811P	30.5	$235,366	JUE	$5,117	$22,007	8VM
500	12300	5811P	30.5	$227,406	JU	5811P	30.5	$261,516	JUE	$5,688	$22,007	8VM
600	11700	5812P	30.5	$246,179	JU	5812P	30.5	$283,106	JUE	$6,620	N/A	8VM
700	15000	6812PA	36	$265,415	JU	6812PA	36	$305,227	JUE	$7,704	N/A	9VM
800	15000	6812PA	36	$284,896	JU	6812PA	36	$327,631	JUE	$8,937	N/A	9VM
900	15000	6812PA	36	$300,787	JU	6812PA	36	$345,905	JUE	$9,301	N/A	9VM
1000	15000	6812PA	36	$317,093	JU	6812PA	36	$364,657	JUE	$10,417	N/A	9VM

4160 Volts

HP	Down Thrust (lbs) (#)	Standard Efficient				Premium Efficient				NRR List Adder	Adder C.L.1 Grp. D. Haz. Loc.	Disc. Sym
		Frame	BD (in)	SRC List	Type	Frame	BD (in)	SRC List	Type			
150	11000	449TP	24.5	$101,669	JU	449TP	24.5	$116,920	JUE	$2,185	N/A	8VM
	11000	5008P	24.5	$112,232	EU	5008P	24.5	$129,068	EUE	$2,185	---	8VM
200	12300	5807P	30.5	$127,047	JU	5807P	30.5	$146,103	JUE	$2,230	$13,469	8VM
250	12300	5807P	30.5	$139,514	JU	5807P	30.5	$160,441	JUE	$2,390	$13,469	8VM
300	12300	5809P	30.5	$157,019	JU	5809P	30.5	$180,573	JUE	$2,721	$19,484	8VM
350	12300	5809P	30.5	$177,789	JU	5809P	30.5	$204,246	JUE	$3,852	$19,484	8VM
400	12300	5811P	30.5	$203,185	JU	5811P	30.5	$233,664	JUE	$4,385	$22,007	8VM
450	12300	5811P	30.5	$228,585	JU	5811P	30.5	$262,873	JUE	$5,117	$22,007	8VM
500	11700	5812P	30.5	$253,980	JU	5812P	30.5	$292,077	JUE	$5,688	N/A	8VM
600	11700	5812P	30.5	$258,488	JU	5812P	30.5	$297,261	JUE	$6,620	N/A	8VM
700	15000	6812PA	36	$278,685	JU	6812PA	36	$320,488	JUE	$7,704	N/A	9VM
800	15000	6812PA	36	$296,606	JU	6812PA	36	$341,097	JUE	$8,937	N/A	9VM
900	15000	6812PA	36	$314,422	JU	6812PA	36	$361,585	JUE	$9,301	N/A	9VM
1000	15000	6812PA	36	$330,126	JU	6812PA	36	$379,645	JUE	$10,417	N/A	9VM

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

See Page M-84 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
Totally Enclosed Fan Cooled (TEFC)
10 Pole, 720 RPM

VHS
TEFC
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)
* 1.00 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			Premium Efficient			NRR List Adder	Adder C.L.1 Grp. D. Haz. Loc.	Disc. Sym
		Frame	SRC List	Type	Frame	SRC List	Type			
1.5	3400	213TP	$3,258	TU	213TP	$3,850	TUS	$326	$822	7VM
2	3400	215TP	$3,838	TU	215TP	$4,535	TUS	$385	$822	7VM
3	4500	254TP	$5,697	TU	254TP	$6,732	TUS	$570	$1,502	7VM
5	4500	256TP	$7,040	TU	256TP	$8,315	TUS	$702	$1,502	7VM
7.5	4500	284TP	$8,103	TU	284TP	$9,420	TUS	$810	$2,347	7VM
10	4500	286TP	$8,962	TU	286TP	$10,587	TUS	$894	$2,347	7VM
15	6000	324TP	$11,408	TU	324TP	$13,157	TUS	$1,026	$3,192	7VM
20	7600	364TP	$13,371	TU	364TP	$15,580	TUS	$1,202	$4,225	7VM
25	7600	365TP	$15,401	TU	365TP	$17,711	TUS	$1,385	$4,225	7VM
30	9500	404TP	$18,427	TU	404TP	$21,768	TUS	$1,526	$4,930	7VM
40	9500	405TP	$22,204	TU	405TP	$26,047	TUS	$1,631	$4,930	7VM
50	12600	444TP	$24,653	TU	444TP	$29,122	TUS	$1,854	$6,103	7VM
60	12600	447TP	$30,911	TU	447TP	$36,254	TUS	$1,869	$7,042	7VM
75	12600	447TP	$36,784	TU	447TP	$44,028	TUS	$1,995	$7,042	7VM
100	11900 11900	449TP 5008P	$64,068 $75,364	JU EU	449TP 5008P	$73,678 $86,669	JUE EUE	$1,887 $1,887	N/A ---	9VM 9VM
125	11900 11900	449TP 5008P	$67,075 $81,756	JU EU	449TP 5008P	$77,136 $94,019	JUE EUE	$2,014 $2,014	N/A ---	9VM 9VM
150	11900 11900	449TP 5008P	$89,143 $102,514	JU EU	449TP 5008P	$102,514 $117,892	JUE EUE	$2,674 $2,674	N/A ---	9VM 9VM
200	13100	5807P	$121,164	JU	5807P	$139,338	JUE	$3,634	$13,469	9VM
250	13100	5809P	$137,279	JU	5809P	$157,871	JUE	$4,385	$13,469	9VM
300	13100	5809P	$147,843	JU	5809P	$170,019	JUE	$5,261	$13,469	9VM
350	13100	5811P	$169,542	JU	5811P	$194,974	JUE	$5,589	$19,484	9VM
400	13100	5811P	$195,223	JU	5811P	$224,507	JUE	$5,918	$19,484	9VM
500	12600	5812P	$207,060	JU	5812P	$238,119	JUE	$6,388	N/A	9VM
600	16300	6812PA	$233,979	JU	6812PA	$269,076	JUE	$7,730	N/A	9VM
700	16300	6812PA	$264,396	JU	6812PA	$304,055	JUE	$8,344	N/A	9VM

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

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

See Page M-84 For Available And Alternate BD Dimensions

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Three Phase Modifiable Motors
Vertical HOLLOSHAFT®
High Thrust - "P" Base
Totally Enclosed Fan Cooled (TEFC)
10 Pole, 720 RPM

VHS-HT
TEFC
720 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)
* 1.00 Service Factor (Sine Wave Power)
* Maximum 40 Deg. C. Ambient, 3,300 Feet Altitude
* NEMA Design "B"
* 3 Phase 60 Hz

2300 Volts

HP	Down Thrust (lbs) (#)	Standard Efficient				Premium Efficient				NRR List Adder	Adder C.L.1 Grp. D. Haz. Loc.	Disc. Sym
		Frame	BD (in)	SRC List	Type	Frame	BD (in)	SRC List	Type			
150	13100	5807P	30.5	$128,538	JU	5807P	30.5	$147,818	JUE	$2,390	$13,469	9VM
200	13100	5809P	30.5	$144,186	JU	5809P	30.5	$165,814	JUE	$2,721	$19,484	9VM
250	13100	5809P	30.5	$162,676	JU	5809P	30.5	$187,077	JUE	$3,852	$19,484	9VM
300	13100	5811P	30.5	$175,016	JU	5811P	30.5	$201,269	JUE	$4,385	$22,007	9VM
350	13100	5811P	30.5	$200,906	JU	5811P	30.5	$231,042	JUE	$5,117	$22,007	9VM
400	12600	5812P	30.5	$228,408	JU	5812P	30.5	$262,669	JUE	$5,688	N/A	9VM
450	12600	5812P	30.5	$265,050	JU	5812P	30.5	$304,808	JUE	$6,620	N/A	9VM
500	12600	5812P	30.5	$294,498	JU	5812P	30.5	$338,673	JUE	$7,613	N/A	9VM
600	12600	5812P	30.5	$320,033	JU	5812P	30.5	$368,038	JUE	$8,755	N/A	9VM
700	16300	6812PA	36	$345,039	JU	6812PA	36	$396,795	JUE	$10,068	N/A	9VM
800	16300	6812PA	36	$370,365	JU	6812PA	36	$425,920	JUE	$11,578	N/A	9VM

4160 Volts

HP	Down Thrust (lbs) (#)	Standard Efficient				Premium Efficient				NRR List Adder	Adder C.L.1 Grp. D. Haz. Loc.	Disc. Sym
		Frame	BD (in)	SRC List	Type	Frame	BD (in)	SRC List	Type			
150	13100	5807P	30.5	$137,109	JU	5807P	30.5	$157,675	JUE	$2,390	$13,469	9VM
200	13100	5809P	30.5	$171,582	JU	5809P	30.5	$197,319	JUE	$2,721	$19,484	9VM
250	13100	5809P	30.5	$193,584	JU	5809P	30.5	$222,622	JUE	$3,852	$19,484	9VM
300	13100	5811P	30.5	$208,270	JU	5811P	30.5	$239,510	JUE	$4,385	$22,007	9VM
350	13100	5811P	30.5	$239,078	JU	5811P	30.5	$274,940	JUE	$5,117	$22,007	9VM
400	12600	5812P	30.5	$271,805	JU	5812P	30.5	$312,576	JUE	$5,688	N/A	9VM
450	12600	5812P	30.5	$315,410	JU	5812P	30.5	$362,722	JUE	$6,620	N/A	9VM
500	12600	5812P	30.5	$350,452	JU	5812P	30.5	$403,020	JUE	$7,613	N/A	9VM
600	12600	5812P	30.5	$380,839	JU	5812P	30.5	$437,965	JUE	$8,755	N/A	9VM
700	16300	6812PA	36	$410,597	JU	6812PA	36	$472,187	JUE	$10,068	N/A	9VM
800	16300	6812PA	36	$440,735	JU	6812PA	36	$506,845	JUE	$11,578	N/A	9VM

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

See Page M-84 For Available And Alternate BD Dimensions

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