

# VERTICAL HOLLOW SHAFT MOTORS

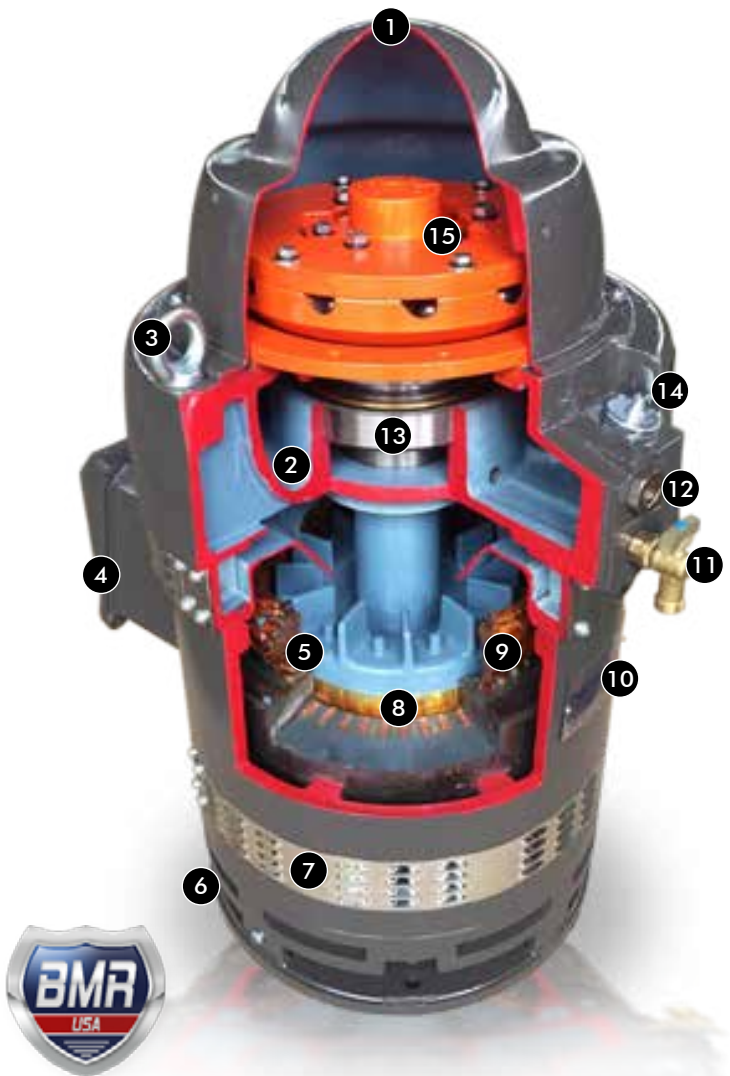
HIGH THRUST DESIGN • CAST IRON CONSTRUCTION  
WP1 ENCLOSURE



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# PRODUCT FEATURES

- Meets or exceeds NEMA performance standards.
- NEMA MG-1 PART 31 SPEC.
- Inverter rated (10:1 variable torque).
- Cast iron construction.
- Hi-thrust design.
- Precision balanced.
- 40° C ambient temperature.
- Class "F" insulation system, class B rise at full load.
- Proven American frame design.
- Class B temperature rise @ 1.15 SF.
- Ball type non reverse ratchet with ductile iron plating.
- Two year warranty from date of installation.
- Oversized angular contact bearing and guide bearings.
- Large oil reservoir 40HP and up.
- Double Vacuum Pressure Impregnation (VPI Treatment) for all models.
- Couplings included in price for all models.
- 120V space heaters installed as standard for all models.
- PTC Thermistor leads installed as standard for all models.
- Premium grade steel lamination.
- Handle grip oil plug.
- Twist spigot oil drain.



- 1 Durable light weight FRP top cover.
- 2 Deep set oil bath lubrication system for 320TP frames and above.
- 3 Dual Chrome lifting lugs.
- 4 Oversized cast iron conduit box.
- 5 UL approved insulation system, NEMA MG-1 Part 31 Inverter Duty, Non Hydroscopic Epoxy Varnish, Double VPI Treatment.
- 6 Precision cast "P" base design which allows motor to mount without taking off rodent screen.
- 7 Dual air flow system. Lower bracket has multiple air-ducts which is conducive for superior cooling throughout the motor with specially designed louvered vents upper and lower.
- 8 Precision balanced die cast aluminum rotor with anti-rust paint finish. Rotor is made from 600 grade silicon steel to minimize core loss.
- 9 Class F insulation with Class B Temp Rise @ 1.15 SF.
- 10 All stainless steel full data nameplate.
- 11 Twist spigot oil drain.
- 12 Oversized one piece sight glass.
- 13 Upper bracket machined for 175% EHT on 440 frames and above
- 14 Handle grip oil fill plug for ease of removing and reinstalling.
- 15 12 ball "Ball Type" Non Reverse Ratchet made from ductile iron for superior rigidity.

# HIGH EFFICIENCY VHS

Prices include Coupling and Non Reverse Ratchet

HP	FRAME	VOLTS	FL. EFF%	COUPLING		MOTOR WEIGHT	DOWN THRUST	NOTES	MODEL
				ID	HEIGHT				
10	215TP	230/460/575	91	1"	23.38"	375 lbs.	3610 lbs.	1, 4	12104HSWP1HE10
15	254TP	230/460/575	91	1"	23.38"	463 lbs.	3610 lbs.	1, 4	12154HSWP1HE10
15	254TP	230/460/575	91	1"	23.38"	463 lbs.	3610 lbs.	1, 4	12154HSWP1HE16
20	256TP	230/460/575	91	1"	23.38"	510 lbs.	3610 lbs.	1, 4	12204HSWP1HE12
20	256TP	230/460/575	91	1"	23.38"	510 lbs.	3610 lbs.	1, 4	12204HSWP1HE16
25	284TP	230/460/575	91.7	1"	24.75"	550 lbs.	3610 lbs.	1, 4	12254HSWP1HE12
25	284TP	230/460/575	91.7	1"	24.75"	550 lbs.	3610 lbs.	1, 4	12254HSWP1HE16
30	286TP	230/460/575	92.4	1"	24.75"	566 lbs.	3610 lbs.	1, 4	12304HSWP1HE12
30	286TP	230/460/575	92.4	1"	24.75"	566 lbs.	3610 lbs.	1, 4	12304HSWP1HE16
40	324TP	230/460/575	93	1"	28.22"	814 lbs.	5715 lbs.	2, 4	12404HSWP1HE16
40	324TP	460	93	1.25"	28.22"	814 lbs.	5715 lbs.	2	6404HSWP1HE16
50	326TP	230/460/575	93	1.25"	28.22"	867 lbs.	5715 lbs.	2, 4	12504HSWP1HE16
50	326TP	460	93	1.25"	28.22"	867 lbs.	5715 lbs.	2	6504HSWP1HE16
60	364TP	230/460/575	93.6	1.25"	31.16"	1020 lbs.	5715 lbs.	2, 4	12604HSWP1HE16
60	364TP	460	93.6	1.25"	31.16"	1020 lbs.	5715 lbs.	2	6604HSWP1HE16
75	365TP	460	94.1	1.25"	31.16"	1170 lbs.	5715 lbs.	2	6754HSWP1HE16
100	404TP	460	94.1	1.50"	36.94"	1365 lbs.	6745 lbs.	2	61004HSWP1HE16
125	405TP	460	94.5	1.50"	36.94"	1405 lbs.	6745 lbs.	2	61254HSWP1HE16
150	444TP	460	95	1.688"	42.66"	1904 lbs.	9800 lbs.	2	61504HSWP1HE16
150	444TP	460	95	1.688"	42.66"	1954 lbs.	17,200 lbs.	2, 3	61504HSWP1HED16
150	444TP	460	95	1.688"	42.66"	1954 lbs.	17,200 lbs.	2, 3	61504HSWP1HED20
200	445TP	460	95	1.688"	42.66"	1968 lbs.	9800 lbs.	2	62004HSWP1HE16
200	445TP	460	95	1.688"	42.66"	2018 lbs.	17,200 lbs.	2, 3	62004HSWP1HED16
200	445TP	460	95	1.688"	42.66"	2018 lbs.	17,200 lbs.	2, 3	62004HSWP1HED20
250	445TP	460	95.4	1.688"	42.66"	2046 lbs.	9800 lbs.	2	62504HSWP1HE20
250	445TP	460	95.4	1.938"	42.66"	2096 lbs.	17,200 lbs.	2, 3	62504HSWP1HED20
300	5804P	460	95.4	1.938"	49.78"	N/A	17,200 lbs.	2, 3	63004HSWP1HED24
350	5804P	460	95.4	1.938"	49.78"	N/A	17,200 lbs.	2, 3	63504HSWP1HED24
400	5804P	460	95.4	1.938"	58.25"	N/A	17,200 lbs.	2, 3	64004HSWP1HED24
450	5806P	460	95.4	1.938"	58.25"	N/A	17,200 lbs.	2, 3	64504HSWP1HED24
500	5806P	460	95.4	1.938"	58.25"	N/A	17,200 lbs.	2, 3	65004HSWP1HED24

NOTES: 1) capable of 230V Part Winding Start 2) capable of 460V Part Winding Start 3) double stacked upper thrust bearing for 175% extra high thrust  
4) Wye-Delta connection capable



## ***MOTORS STOCKED IN***

Denver, CO • Charlotte, NC • Phoenix, AZ • Hayward, CA • Ada, OK

## **REQUIREMENTS**

Prices are subject to change and manufacturers price increase.

Possession of this sales flyer does not constitute an offer to sell.

All orders are subject to approval by our credit department.

Prices on this promotion are good through April 30th, 2016 (or next manufacturers price increase).

Billing is net 30 days. No additional discounts allowed.

## ***BMR FREIGHT POLICY***

0-\$2999 (Freight prepay and bill or freight collect)

\$3000-\$5999 (5% freight adder to the motor cost)

\$6000-\$9999 (3% freight adder to the motor cost)

\$10,000 or more (freight prepaid)