

VHS1-150S4-W44416A-EHT

VERTICAL HOLLOW SHAFT MOTOR

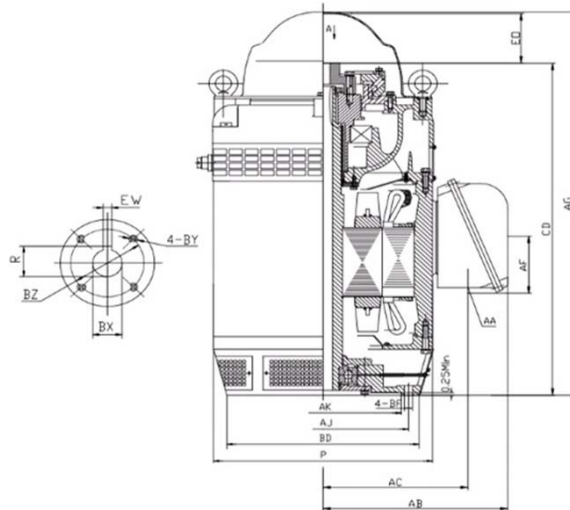
NEMA PREMIUM EFFICIENCY

EXTRA HIGH THRUST DESIGN

THREE PHASE, OPEN DRIP PROOF (WP1) ENCLOSURE

NON-REVERSE BALL BEARING RATCHET

COUPLING INCLUDED



DIMENSIONS

HP	RPM	Frame	MOUNTING DIMENSIONS													
			BD	AJ	AK	BF	BX	BZ	EW	R	BY	CD	E0 >	AC	AA	AF
150	1780	444TP	16.50	14.750	13.50	0.69	1.69	2.50	0.38	1.854	1/4-20	42.66	5.40	16.18	3" NPT	7.56

OVERALL DIMENSIONS			BEARINGS	
P	AB	AG	UPPER	BOTTOM
23.30	20.70	48.03	7232B/DT	6318

COUPLING: Motor comes with a 1.69 coupling. You may select a different size coupling at no extra charge.

BEARING LUBRICATION: The bottom bearing comes lubricated with Mobile Polyrex EM Polyurea Grease.

OIL RESERVOIR: Motor is shipped without oil. The oil capacity is 6 quarts.

STEADY BUSHING: Motor is designed to accept a steady bushing. The bore size is 2.362 inches.



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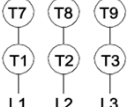
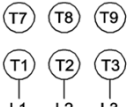
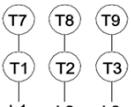




NON-REVERSE BALL BEARING RATCHET

PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient	Rating CONT
150	1788	444TP	460	60	1.15	F	B	0.7	G	WP1	23	40° C	S1

Amps (460V)		Efficiency (%)				Power Factor			Torque (ft-lb)			Down Thrust	Angular Contact Bearing	Radial Ball Bearing	Connection	Weight (lbs.)
FLA	LRA	100%	75%	50%	Min.	100%	75%	50%	FLT	LRT %	BDT %	12800	UPPER	BOTTOM	6 Lead Δ	2004
165.0	1188	95.8	93.8	91.8	95.0	0.88	0.88	0.82	438	196	220		7232B/DT	6318		

NAME PLATE

 North American Electric, Inc.				VERTICAL HOLLOW SHAFT ELECTRIC MOTOR				CONNECTION DIAGRAMS Across The Line  PWS Start  PWS Run 			
INVERTER DUTY 10:1 VT; 5:1 CT				EXTRA HIGH THRUST DESIGN							
MODEL	VHS1-150S4-W44416A-EHT			PHASE	3	Hz	60				
HP	150	FRAME	444TP	VOLTS	460						
DESIGN	B	CODE	G	AMPS	165						
NOM EFF.	95.8	P.F.	0.88	INSULATION CLASS	F						
RATING CONT	S1	S.F.	1.15	MAX AMB.	40° C	WEIGHT	2004 LBS.				
DOWN THRUST	12800			ENCLOSURE TYPE	WP1						
UPPER BEARING	7232B/DT	(X 2) EHT	BOTTOM BEARING	6318							
OIL CAP.	UPPER BEARING	6	QTS	LUBRICATION	MOBILE POLYREX EM						
NON-REVERSE RATCHET - BALL TYPE				SERIAL NO.							
Specifically designed for use on deep well turbine pump applications. Hernando, Mississippi				   							

APPLICATIONS:

Specifically designed for use on deep well turbine pump applications. The coupling is equipped with a non-reverse ratchet, which prevents motor rotation from backspin at shutdown. These motors are built to NEMA standards and have special bearing arrangements to carry heavy thrust loads.