



## V1-50S4-W32616A

VERTICAL HOLLOW SHAFT MOTOR

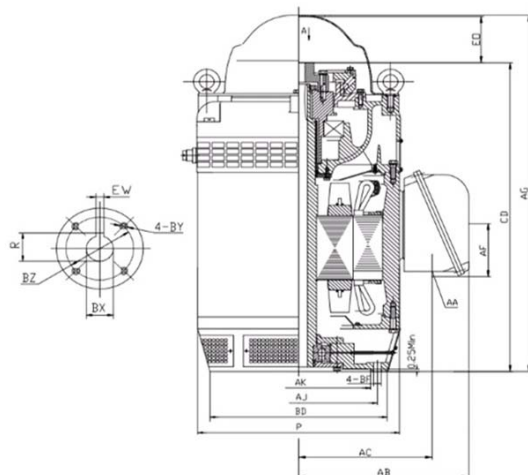
NEMA PREMIUM EFFICIENCY

HIGH THRUST DESIGN

THREE PHASE, OPEN DRIP PROOF (WP1) ENCLOSURE

NON-REVERSE BALL TYPE RATCHET

COUPLING INCLUDED



### DIMENSIONS

HP	RPM	Frame	MOUNTING DIMENSIONS													
			BD	AJ	AK	BF	BX	BZ	EW	R	BY	CD	E0 >	AC	AA	AF
50	1770	326TP	16.50	14.750	13.50	0.69	1.25	1.75	0.25	1.367	1/4-20	28.22	4.50	12.56	3" NPT	5.83

OVERALL DIMENSIONS			BEARINGS	
P	AB	AG	UPPER	BOTTOM
18.89	15.90	32.22	7221B	6213

**COUPLING:** Motor comes with a 1.25 coupling. You may select a different size coupling at no extra charge.

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

**OIL RESERVOIR:** Motor is shipped without oil. The oil capacity is 2.34 quarts.

**STEADY BUSHING:** Motor is designed to accept a steady bushing. The bore size is 1.654 inches.





## V1-50S4-W32616A

**VERTICAL HOLLOW SHAFT MOTOR**

**NEMA PREMIUM EFFICIENCY**

**HIGH THRUST DESIGN**

**THREE PHASE, OPEN DRIP PROOF (WP1) ENCLOSURE**


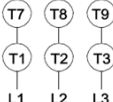
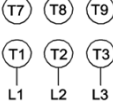
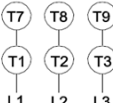




**NON-REVERSE BALL TYPE RATCHET**

### 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
50	1785	326TP	460	60	1.15	F	B	0.8	H	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 %	5500	UPPER	BOTTOM	6 Lead Δ	910
56.4	418.0	94.5	94.6	93.5	93.6	0.87	0.83	0.75	146.0	216	230		7221B	6213		

### NAME PLATE

 <b>North American Electric, Inc.</b>				<b>VERTICAL HOLLOW SHAFT ELECTRIC MOTOR</b>															
<b>INVERTER RATED 10:1 VT</b>						<b>HIGH THRUST DESIGN</b>						<b>CONNECTION DIAGRAMS</b>							
MODEL		V1-50S4-W32616A				PHASE		3		Hz		60		<b>Across The Line</b> 					
HP		50		FRAME		326TP		VOLTS		460									
DESIGN		B		CODE		H		AMPS		56.4				<b>PWS Start</b> 					
NOM EFF.		94.5		P.F.		0.87		INSULATION CLASS		F									
RATING CONT		S1		S.F.		1.15		MAX AMB.		40° C		WEIGHT		910 LBS.		<b>PWS Run</b> 			
DOWN THRUST				5500				ENCLOSURE TYPE				WP1							
UPPER BEARING				7221B				BOTTOM BEARING				6213							
OIL CAP.		UPPER BEARING		2.34		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.

