

VHS1-125S4-W40516A-EHT

VERTICAL HOLLOW SHAFT MOTOR

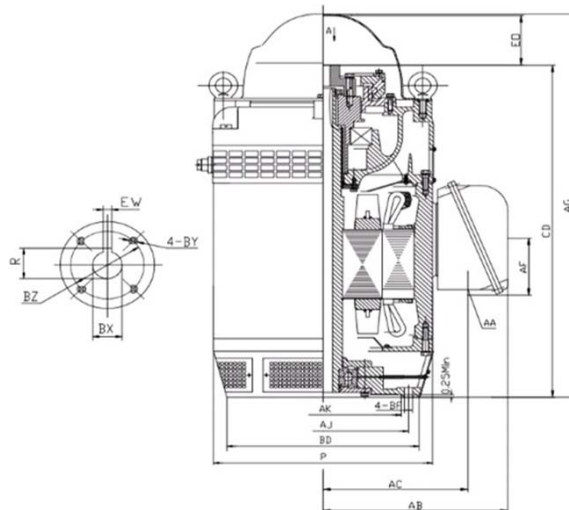
NEMA PREMIUM EFFICIENCY

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
125	1780	405TP	16.50	14.750	13.50	0.69	1.50	2.13	0.38	1.706	1/4-20	36.94	6.46	16.18	3" NPT	7.56

OVERALL DIMENSIONS			BEARINGS	
P	AB	AG	UPPER	BOTTOM
23.30	20.70	43.40	7230B/DT	6317

COUPLING: Motor comes with a 1.50 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 4.82 quarts.

STEADY BUSHING: Motor is designed to accept a steady bushing. The bore size is 2.047 inches.



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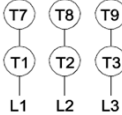
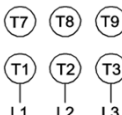
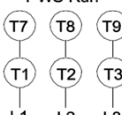




NON-REVERSE BALL BEARING RATCHET

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
125	1788	405TP	460	60	1.15	F	B	0.7	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 %	13400	UPPER	BOTTOM	6 Lead Δ	1465
139.0	998	95.4	96.1	95.5	94.5	0.88	0.85	0.78	365	210	230		7230B/DT	6317		

NAME PLATE

 North American Electric, Inc.				VERTICAL HOLLOW SHAFT ELECTRIC MOTOR				CONNECTION DIAGRAMS											
INVERTER DUTY 10:1 VT; 5:1 CT				EXTRA HIGH THRUST DESIGN															
MODEL		VHS1-125S4-W40516A-EHT		PHASE		3		Hz		60		Across The Line 							
HP		125		FRAME		405TP		VOLTS		460									
DESIGN		B		CODE		H		AMPS		139		PWS Start 							
NOM EFF.		95.4		P.F.		0.88		INSULATION CLASS		F									
RATING CONT		S1		S.F.		1.15		MAX AMB.		40° C		WEIGHT		1465 LBS.		PWS Run 			
DOWN THRUST				13400				ENCLOSURE TYPE				WP1							
UPPER BEARING		7230B/DT		0.0		BOTTOM BEARING		6317											
OIL CAP.		UPPER BEARING		4.82		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.