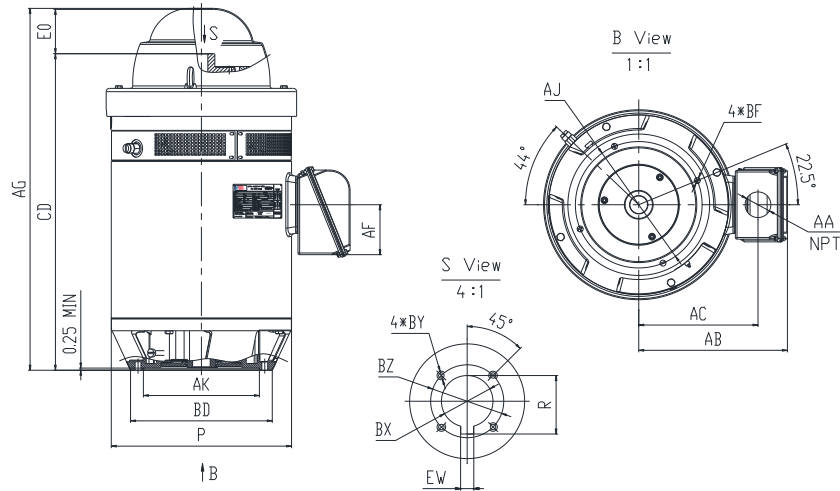




**V1-40D4-W32416A**

**VERTICAL HOLLOW SHAFT MOTOR**  
**NEMA PREMIUM EFFICIENCY**  
**INVERTER RATED 10:1 VT**  
**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
40	1784	324TP	16.5	14.75	13.5	0.69	1-1/4	1.75	0.25	1.366	1/4-20	28.22	4.22	11.65	3	5.83

OVERALL DIMENSIONS			BEARINGS	
P	AB	AG	UPPER	LOWER
17.32	15.44	32.7	7221B	6213

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

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

**OIL RESERVOIR:** Motor is shipped without oil. The oil capacity is 1.75 quarts.

**STEADY BUSHING:** Motor is designed to accept a steady bushing. The bore size is 1-1/4 inches.





**V1-40D4-W32416A**

**VERTICAL HOLLOW SHAFT MOTOR**  
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**THREE PHASE, OPEN DRIP PROOF (WP1) ENCLOSURE**  
**NON-REVERSE BALL TYPE RATCHET**  
**COUPLING INCLUDED**



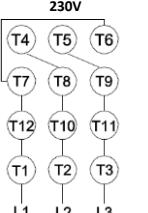
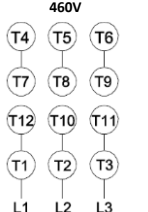


**PERFORMANCE DATA**

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
40	1784	324TP	230/460	60	1.15	F	B	0.93	H	WP1	23	40° C	S1

Amps (460V)		Efficiency (%)				Power Factor			Torque (ft-lb)			Down Thrust (lbs.)	Angular Contact Bearing	Radial Ball Bearing	Connection	Weight (lbs.)
FLA	LRA	100%	75%	50%	Min.	100%	75%	50%	FLT	LRT %	BDT %	5500	UPPER	LOWER	12 Lead 2Δ/Δ	780
46	333	94.1	93.9	92.8	93.0	0.87	0.84	0.77	116	211	250		7221B	6213		

**NAME PLATE**

						<b>VERTICAL HOLLOW SHAFT HIGH THRUST DESIGN</b>												<b>CONNECTION DIAGRAMS</b>					
MODEL						V1-40D4-W32416A						FRAME						324TP					
Hz		60		S.F.		1.15		ENCL		WP1		DESIGN		B									
HP		40		RPM		1784		INS		F		PHASE		3									
VOLTS		230/460		FLA		92/46		MAX.AMBIENT						40° C									
Enclosure		ODP		IP		23		RATING						CONTINUOUS									
NEMA CODE		H		P.F.		0.87		MOTOR WEIGHT				780		LBS.									
NOM EFF		94.1		MIN EFF		93.0		CONNECTION				12 Lead 2Δ/Δ											
DOWN THRUST		5500		LBS.		BASE DIAMETER				16.5		INCHES											
UPPER BEARING		7221B		LOWER BEARING				6213															
OIL CAP. UPPER BEARING		1.75		QTS.		LUBRICATION				MOBIL POLYREX EM													
NON-REVERSE RATCHET - BALL TYPE						SERIAL NO.																	
Specifically designed for use on deep well turbine pump applications. Hernando, Mississippi																		CC082A					
PART WIND START CAPABLE @ 230V																							
<b>MOTOR IS SUITABLE FOR INVERTER RATED 10:1 VT</b>																							

**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.