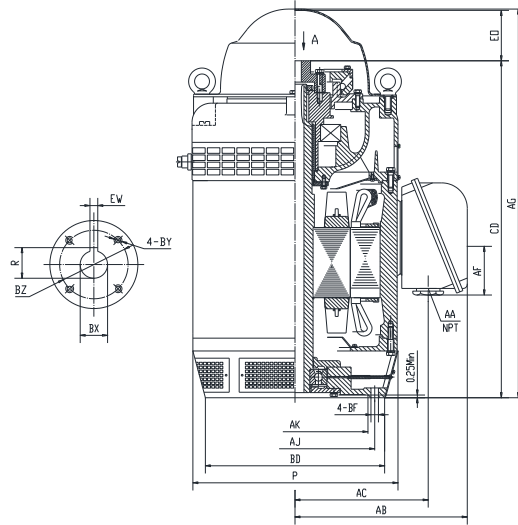




**V2-100D4-W40416B**

**VERTICAL HOLLOW SHAFT MOTOR**  
**NEMA PREMIUM EFFICIENCY**  
**INVERTER DUTY 20:1 VT**  
**INCLUDES INSULATED BEARING MOUNT - 40 HP AND ABOVE**  
**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
100	1788	404TP	16.5	14.75	13.5	0.69	1-3/16	2.125	0.25	1.304	1/4-20	36.94	4.56	13.68	3	5.83

OVERALL DIMENSIONS			BEARINGS	
P	AB	AG	UPPER	LOWER
21	17.3	42.2	7230B	6317

**COUPLING:** Motor comes with a 1.188" 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 4.5 quarts.

**STEADY BUSHING:** Motor is designed to accept a steady bushing. The bore size is 1-3/16 inches.



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**AC-DC MOTORS :: SALES & SERVICE**  
**REWINDING :: CUSTOM CONTROL PANEL**

Kelly MacMillan  
 Office Ph: 888-226-4917  
 Fax: 888-226-4917  
 Cell: 402-679-1579  
 E-Mail: [kelly@electricalhelper.com](mailto:kelly@electricalhelper.com)





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**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
100	1790	404TP	230/460	60	1.15	F	B	0.54	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 %	6700	UPPER	LOWER	12 Lead 2Δ/Δ	1473
112	812	95.4	95.2	94.4	94.5	0.88	0.87	0.83	289	238	255		7230B	6317		

**NAME PLATE**

<p><b>VERTICAL HOLLOW SHAFT HIGH THRUST DESIGN</b></p>							<p>CONNECTION DIAGRAMS</p>					
MODEL		V2-100D4-W40416B					FRAME	404TP		<p><b>230V</b></p>		
Hz	60	S.F.	1.15	ENCL	WP1	DESIGN	B		<p><b>460V</b></p>			
HP	100	RPM	1790	INS	F	PHASE	3					
VOLTS	230/460	FLA	224/112	MAX.AMBIENT		40° C						
Enclosure	ODP	IP	23	RATING		CONTINUOUS						
NEMA CODE	H	P.F.	0.88	MOTOR WEIGHT		1473	LBS.					
NOM EFF	95.4	MIN EFF	94.5	CONNECTION		12 Lead 2Δ/Δ						
DOWN THRUST		6700		BASE DIAMETER		16.5	INCHES					
UPPER BEARING		7230B		LOWER BEARING		6317						
OIL CAP. UPPER BEARING		4.5	QTS.	LUBRICATION		MOBIL POLYREX EM						
NON-REVERSE RATCHET - BALL TYPE				SERIAL NO.								
Specifically designed for use on deep well turbine pump applications.								CC326B		PART WIND START CAPABLE @ 230V		
Hernando, Mississippi		ROTATION				E310089						
<p><b>MOTOR IS SUITABLE FOR INVERTER RATED 20:1 VT</b></p>												

**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.