



## V2-25D4-W28410B

VERTICAL HOLLOW SHAFT MOTOR

NEMA PREMIUM EFFICIENCY

INVERTER DUTY 20:1 VT

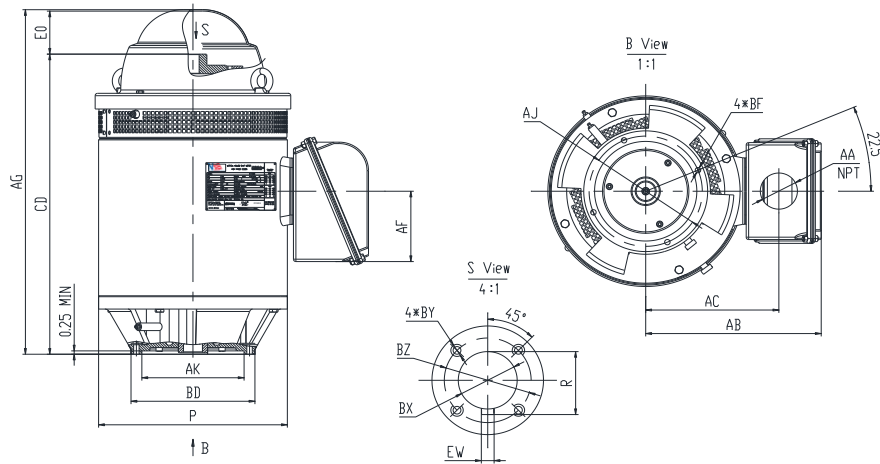
INCLUDES INSULATED BEARING MOUNT - 40 HP AND ABOVE

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
25	1785	284TP	10	9.125	8.25	0.44	1-3/16	1.75	0.25	1.304	1/4-20	24.75	3.22	10.6	3	5.83

OVERALL DIMENSIONS			BEARINGS	
P	AB	AG	UPPER	LOWER
15.24	14.17	28.2	6212	7312B

COUPLING: Motor comes with a 1.188" coupling. You may select a different size coupling at no extra charge.

BEARING LUBRICATION: The bearings comes lubricated with Mobil Polyrex EM Polyurea Grease.

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





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**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
25	1780	284TP	230/460	60	1.15	F	B	0.96	H	WP1	23	40° C	S1

Amps (460V)		Efficiency (%)				Power Factor			Torque (ft-lb)			Down Thrust (lbs.)	Radial Ball Bearing	Angular Contact Bearing	Connection	Weight (lbs.)
FLA	LRA	100%	75%	50%	Min.	100%	75%	50%	FLT	LRT %	BDT %	3200	UPPER	LOWER	12 Lead 2Δ/Δ	554
28.8	222	93.6	93.2	91.9	92.4	0.86	0.82	0.72	72	238	270		6212	7312B		

### NAME PLATE

		<b>VERTICAL HOLLOW SHAFT HIGH THRUST DESIGN</b>						<b>CONNECTION DIAGRAMS</b>							
<b>MODEL</b> V2-25D4-W28410B		<b>FRAME</b> 284TP													
Hz	60	S.F.	1.15	ENCL	WP1	DESIGN	B								
HP	25	RPM	1780	INS	F	PHASE	3								
VOLTS	230/460	FLA	57.6/28.8	MAX.AMBIENT			40° C								
Enclosure	ODP	IP	23	RATING			CONTINUOUS								
NEMA CODE	H	P.F.	0.86	MOTOR WEIGHT			554 LBS.								
NOM EFF	93.6	MIN EFF	92.4	CONNECTION			12 Lead 2Δ/Δ								
DOWN THRUST	3200 LBS.		BASE DIAMETER			10 INCHES									
UPPER BEARING	6212		LOWER BEARING			7312B									
LUBRICATION	MOBIL POLYREX EM		LUBRICATION			MOBIL POLYREX EM									
NON-REVERSE RATCHET - BALL TYPE				SERIAL NO.											
Specifically designed for use on deep well turbine pump applications. Hernando, Mississippi				<b>CC082A</b>		<b>PART WIND START CAPABLE @ 230V</b>									
		<b>E310089</b>		ROTATION											
<b>MOTOR IS SUITABLE FOR INVERTER RATED 20:1 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.