



## V1-60D4-W36416A

VERTICAL HOLLOW SHAFT MOTOR

NEMA PREMIUM EFFICIENCY

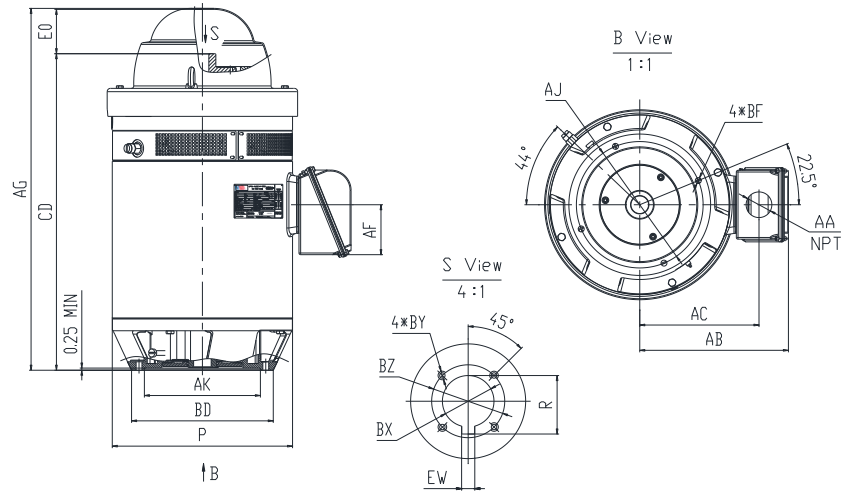
INVERTER RATED 10:1 VT

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
60	1785	364TP	16.5	14.75	13.5	0.69	1-1/4	1.75	0.25	1.366	1/4-20	31.16	4.56	12.56	3	5.83

OVERALL DIMENSIONS			BEARINGS	
P	AB	AG	UPPER	LOWER
19.1	16.32	36	7224B	6314

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 1.94 quarts.

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





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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
60	1785	364TP	230/460	60	1.15	F	B	0.81	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 %	5600	UPPER	LOWER	12 Lead 2Δ/Δ	1024
68.3	530	95.0	94.8	93.9	94.1	0.87	0.84	0.76	174	230	265		7224B	6314		

### NAME PLATE

					<b>VERTICAL HOLLOW SHAFT HIGH THRUST DESIGN</b>				CONNECTION DIAGRAMS		
MODEL		V1-60D4-W36416A				FRAME		364TP			
Hz	60	S.F.	1.15	ENCL	WP1	DESIGN	B				
HP	60	RPM	1785	INS	F	PHASE	3				
VOLTS		230/460		FLA	136.6/68.3		MAX.AMBIENT		40° C		
Enclosure		ODP		IP	23		RATING		CONTINUOUS		
NEMA CODE		H		P.F.	0.87		MOTOR WEIGHT		1024		LBS.
NOM EFF		95.0		MIN EFF	94.1		CONNECTION		12 Lead 2Δ/Δ		
DOWN THRUST			5600		LBS.		BASE DIAMETER		16.5		INCHES
UPPER BEARING			7224B				LOWER BEARING		6314		
OIL CAP.		UPPER BEARING		1.94		QTS.		LUBRICATION		MOBIL POLYREX EM	
NON-REVERSE RATCHET - BALL TYPE				SERIAL NO.							
Specifically designed for use on deep well turbine pump applications.							CC082A		PART WIND START CAPABLE @ 230V		
Hernando, Mississippi		ROTATION 									
MOTOR IS SUITABLE FOR INVERTER RATED 10:1 VT											

#### 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.