



V2-100S4-W40416A-EHT

VERTICAL HOLLOW SHAFT MOTOR

NEMA PREMIUM EFFICIENCY

INVERTER DUTY 20:1 VT

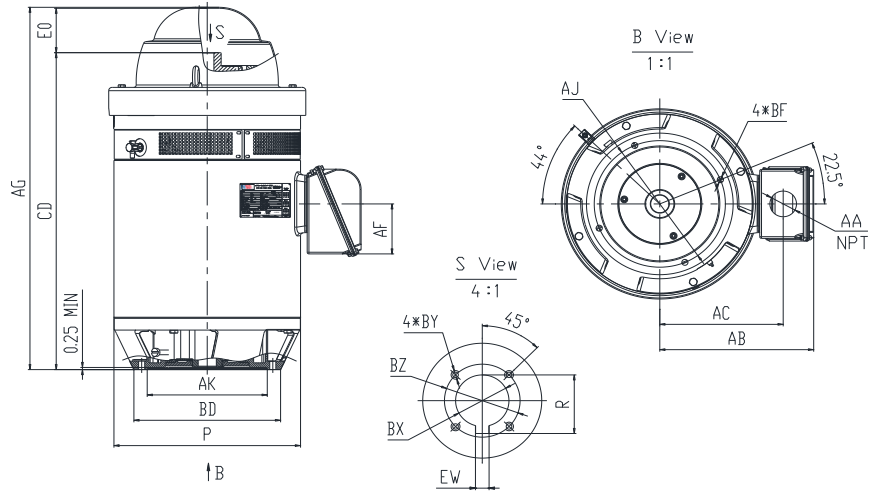
INCLUDES INSULATED BEARING MOUNT - 40 HP AND ABOVE

EXTRA 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	1-1/2	2.125	0.375	1.706	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/DT	6317

COUPLING: Motor comes with a 1.5" 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 1-1/2 inches.

NEMA
Premium

CAUS



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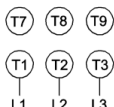
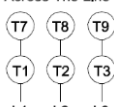
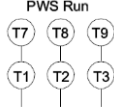


COUPLING INCLUDED

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
100	1790	404TP	460	60	1.15	F	B	0.54	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 %	13400	UPPER	LOWER	6 Lead Δ	1473
112	812	95.4	95.2	94.4	94.5	0.88	0.87	0.83	289	238	255		7230B/DT	6317		

NAME PLATE

 VERTICAL HOLLOW SHAFT EXTRA HIGH THRUST DESIGN 										CONNECTION DIAGRAMS	
MODEL V2-100S4-W40416A-EHT					FRAME 404TP					PWS Start 	
Hz	60	S.F.	1.15	ENCL	WP1	DESIGN	B				
HP	100	RPM	1790	INS	F	PHASE	3	Across The Line 			
VOLTS	460	FLA	112	MAX.AMBIENT			40° C				
Enclosure	ODP	IP	23	RATING			CONTINUOUS	PWS Run 			
NEMA CODE	H	P.F.	0.88	MOTOR WEIGHT		1473	LBS.				
NOM EFF	95.4	MIN EFF	94.5	CONNECTION			6 Lead Δ				
DOWN THRUST		13400	LBS.	BASE DIAMETER		16.5	INCHES				
UPPER BEARING	7230B/DT	(X 2)	EHT	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. Hernando, Mississippi				 E310089		CC082A		PART WIND START CAPABLE @ 460V			
						ROTATION					
MOTOR IS SUITABLE FOR INVERTER RATED 20:1 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.