PRODUCT INFORMATION PACKET

Model No: 326VTDC6001
Catalog No: V130A
Vertical Pump Motor, 60 & 50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM, 326TPV Frame, WPI

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Nameplate Specifications

Phase	3	Output HP	60 & 50 Hp
Output KW	45.0 & 37.0 kW	Voltage	230/460 & 190/380 V
Speed	3540 & 2950 rpm	Service Factor	1.15 & 1.15
Frame	326TPV	Enclosure	Weather Protected 1
Thermal Protection	No Protection	Efficiency	93.6 & 92.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	138/69 & 142/71 A	Power Factor	87
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6312	Opp Drive End Bearing Size	7219B
UL	Recognized	CSA	Y
CE	Y	IP Code	23
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start Low Volt Only & Wye Start Delta Run Or Inverter
Poles	2	Rotation	Counterclockwise Rotation, Reversible without Non-Reversible Ratchet
Resistance Main	0 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Single Angular Contact	Frame Material	Cast Iron
Shaft Type	TP	Overall Length	32.56 in
Shaft Diameter	1.833 in	Shaft Extension	0.28 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	VARIABLE 3:1
Outline Drawing	SS620839	Connection Drawing	EE7308DX

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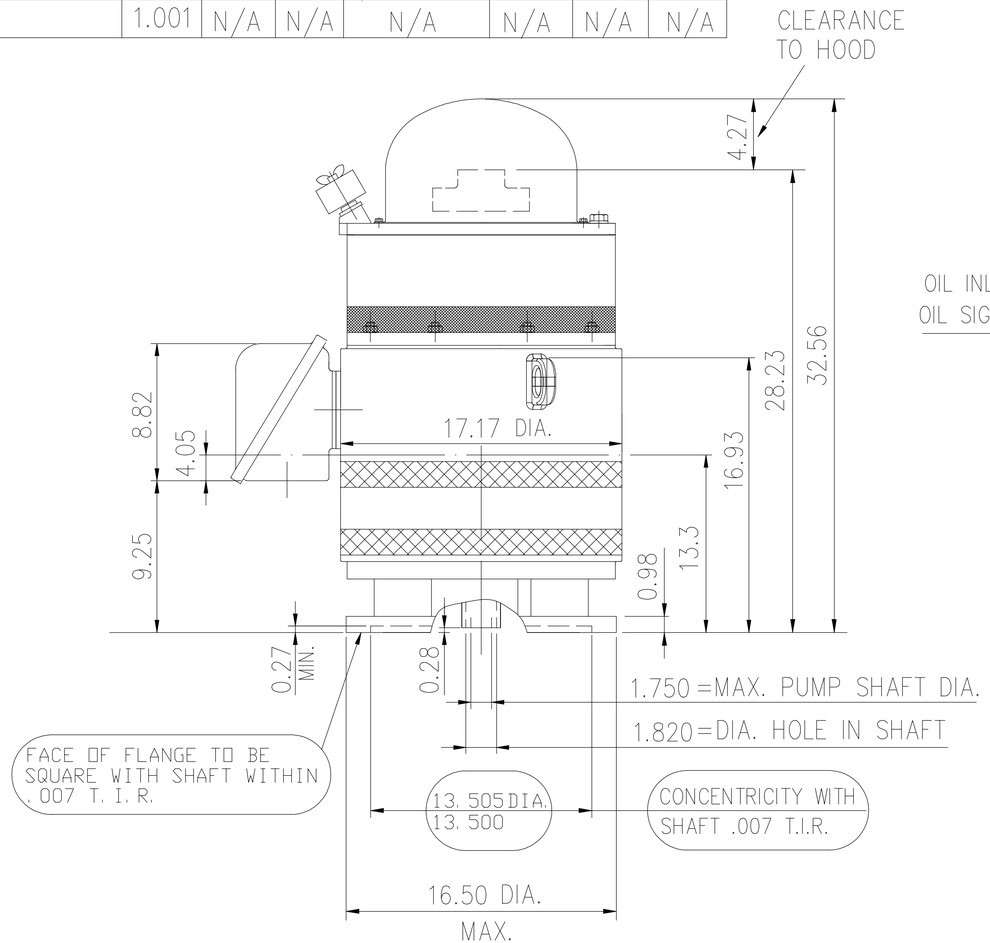
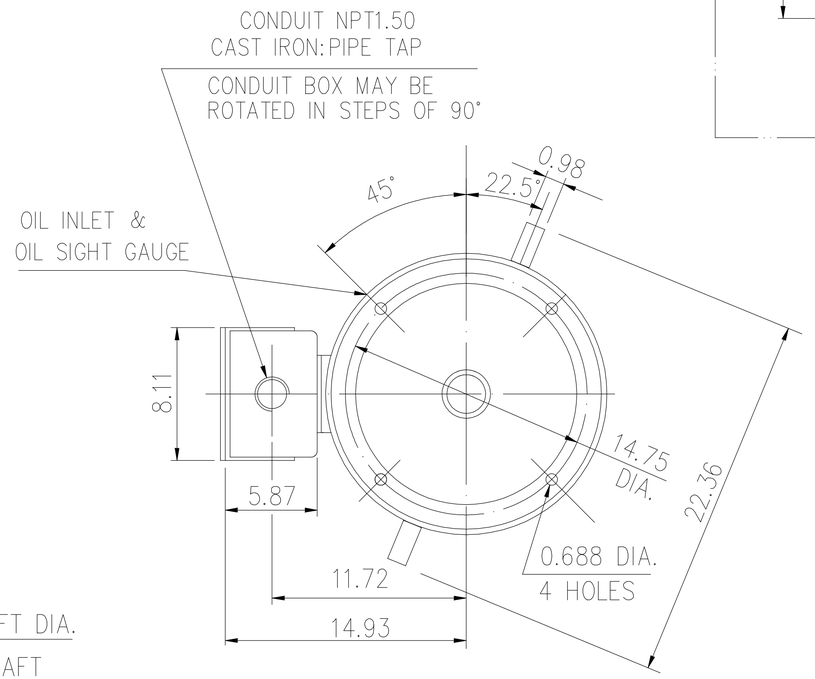
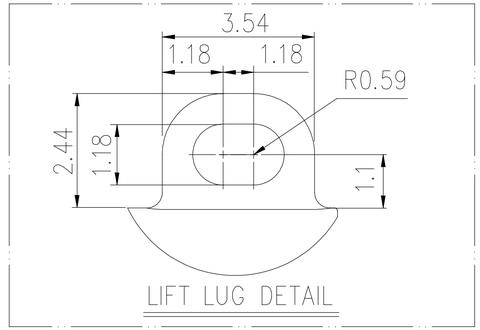
SS620839

COUPLING	BX DIA.	KEYWAY WIDE	KEYWAY DEEP	BY	BZ	XF	XC
	1.001	0.250	0.140	10-32UNF	1.375	1.610	0.320
	1.188	0.250	0.140	1/4-20UNC	1.750	1.610	0.320
	1.251	0.250	0.140	1/4-20UNC	1.750	1.610	0.320
	1.251	0.375	0.164	1/4-20UNC	1.750	1.610	0.320
	1.438	0.375	0.167	1/4-20UNC	2.120	1.610	0.320
	1.501	0.375	0.168	1/4-20UNC	2.120	1.610	0.320
	1.001	N/A	N/A	N/A	N/A	N/A	N/A

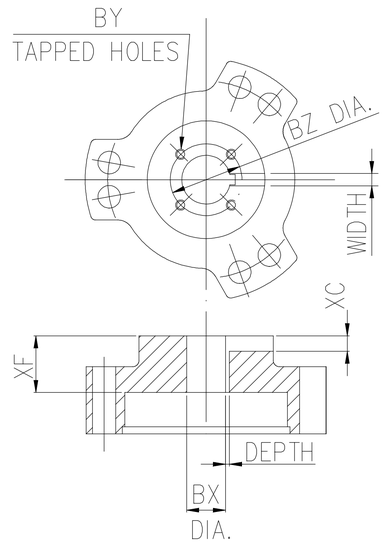




BOTTOM VIEW OF MOTOR



LIFT LUG DETAIL



COUPLING

(1) DIMENSIONS ARE IN INCHES.
(2) DRIVE END BEARING 6312
OPPOSITE DRIVE END BEARING 7219B
(3) APPROXIMATE WEIGHT = 785 LBS

(4) END OF LINE TESTS - SPECIFIC TO EACH RATING
*NO LOAD AMPS @ FULL VOLTAGE
*NO LOAD WATTS @ FULL VOLTAGE
*VIBRATION MEETS MG-1 STANDARD
BALANCE 0. 15 IN/S 3. 8 MM/S

NO.	REVISION	BY & DATE	CHK
B	UPDATED PER MARK-UPS ECO-0151417	WGJ 9-11-2018	AL
A	RELEASED FOR PRODUCTION ECO-0125213	WGJ 6-13-2017	AL

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

REGAL - BELOIT CORPORATION

TITLE: OUTLINE 324/326TP16 FRAME

DRAWN | CHK | APPD | SCALE | REF | FMF | PREV

MAT'L. | FINISH | CAD FILE | RFP | DIST

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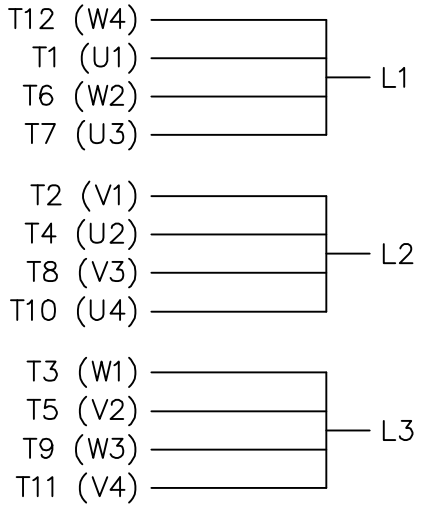
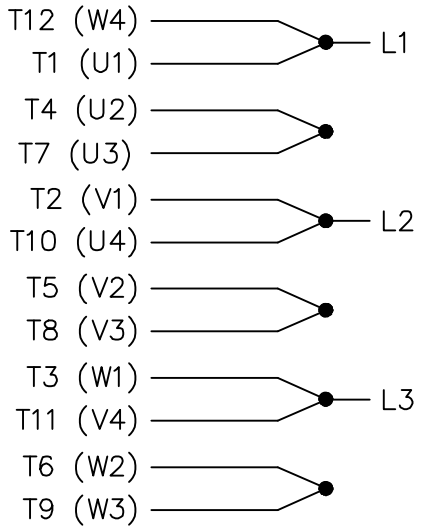
B	SS620839	B

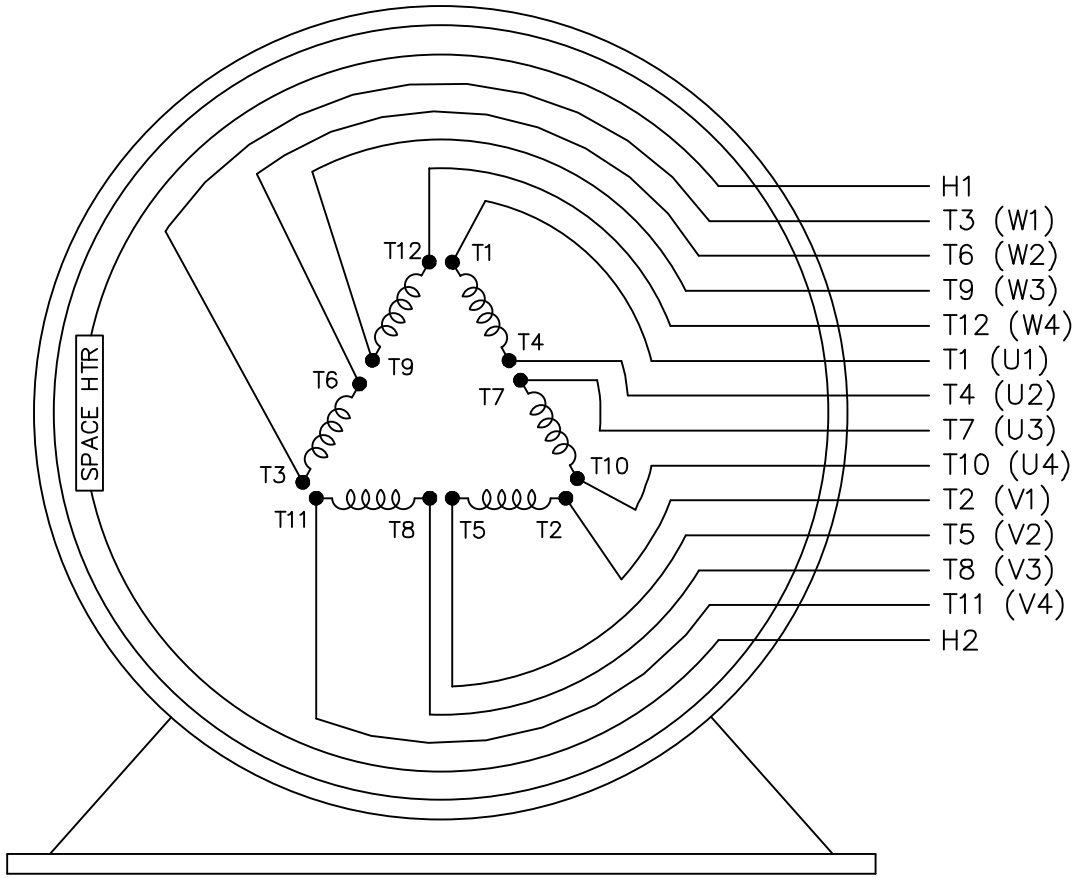
EE7308DX



LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

NO.	REVISION	BY & DATE	CHK
2	ADDED IEC MARKINGS MU110339	MSG 10-15-2012	SJW
1	NEW DRAWING MU23624	KL 02-05-1999	DJK

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	± –
.XX	± –
.XXX	± –
.XXXX	± –
ANG	± –

MARATHON ELECTRIC

TITLE CONNECTION DIAGRAM
12 LEADS – 3 PHASE – 2/1 DELTA

MAT'L.

FINISH

DRAWN KL 02-05-1999
CHK DJK 02-05-1999
APPD DJK 02-05-1999
SCALE 1=1
REF
FMF MU23624
PREV

RFP 02-05-1999
DIST

CAD FILE EE7308DX

SIZE	DRAWING NO. PAGE OF	REV.
A	EE7308DX	2

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marathon electric

P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

CERTIFICATION DATA SHEET

CUSTOMER:
CUSTOMER PO#:
ORDER #:
MODEL #: 326VTDC6001 AA
CONN. DIAGRAM: EE7308DX
CUSTOMER PART #:
OUTLINE: SS620839
MOUNTING: F1/F2 CAPABLE
WINDING #: TPE3262001 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
60&50	45.0&37.0	3600	3540&2950	326TPV	WPI	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	138/69&142/71	PWS (LV ONLY) & YDRUN OR INV	CONTINUOUS	F	1.15/1.15	40

FULL LOAD EFF: 93.6&92.4	**3/4 LOAD EFF:** 93.6	**1/2 LOAD EFF:** 92.4	**GTD. EFF**	**ELEC. TYPE**	
FULL LOAD PF: 87&86	**3/4 LOAD PF:** 86	**1/2 LOAD PF:** 81	92.4	SQ CAGE INV RATED	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
88.5 **LB-FT**	900 / 450	150 **LB-FT** 169 %	242 **LB-FT** 272 %	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
79 **dBA**	89 **dBA**	5.2 **LB-FT^2**	167 **LB-FT^2**	20 **SEC.**	2	790 **LBS.**

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
P-BASE-16	STANDARD	ROUND	SHAFT DOWN	FALSE	NONE	TRUE	RODENT	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	SINGLE ANGULAR CONTACT	POLYREX/ISOVG32	TP	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6312	7219B						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	110 **VOLTS**

*
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*

INVERTER TORQUE: VARIABLE 3:1
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

PREPARED BY: Dinesh Suddula **DATE:** 02/18/2019 01:12:55 AM
FORM 3531 REV.3 02/07/99
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MARATHON ELECTRIC CORPORATION

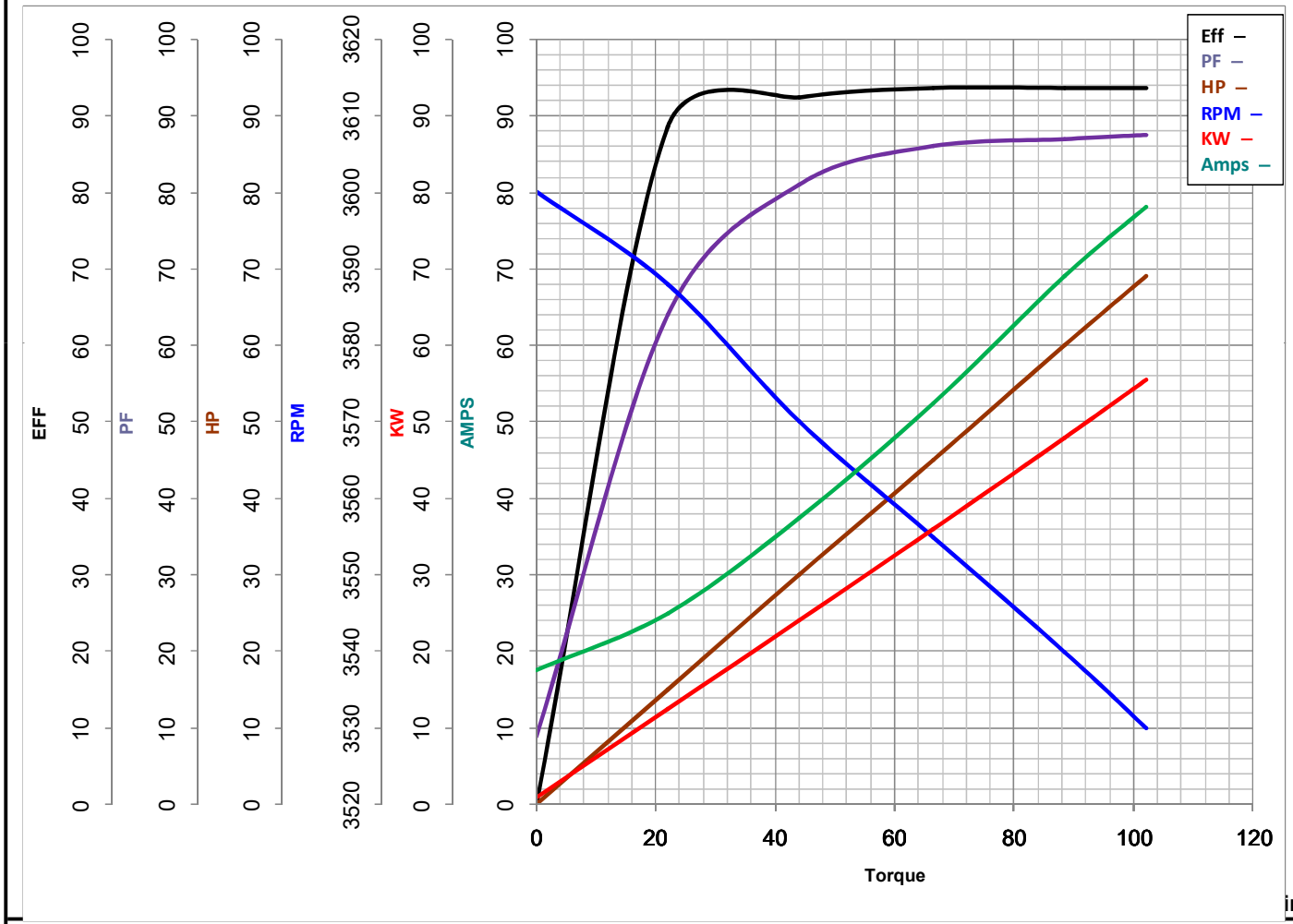
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Model No 326VTDC6001

Catalog No V130A

Curve at	460	**Volts**	**HP**	60&50	**PHASE** 3
	60	**HZ**			
	60	**HP**	**VOLTS**	230/460&190/380	
			HZ	60&50	**RPM** 3540&2950



in Lb.Ft

FL TORQUE	88.5	**Lb.Ft**	**FL AMPS**	138/69	
BD TORQUE	242.0	**Lb.Ft**	**PU TORQUE**	115.0	**Lb.Ft**
LR TORQUE	150	**Lb.Ft**	**LR AMPS**	450	
WINDING	TPE3262001-1		**Date**		**11/2/2018**