

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 364VTDC6001

Catalog No: V133A

Vertical Pump Motor, 75 & 60 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM,
364TPV Frame, WPI



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E

RegalRexnord

Nameplate Specifications

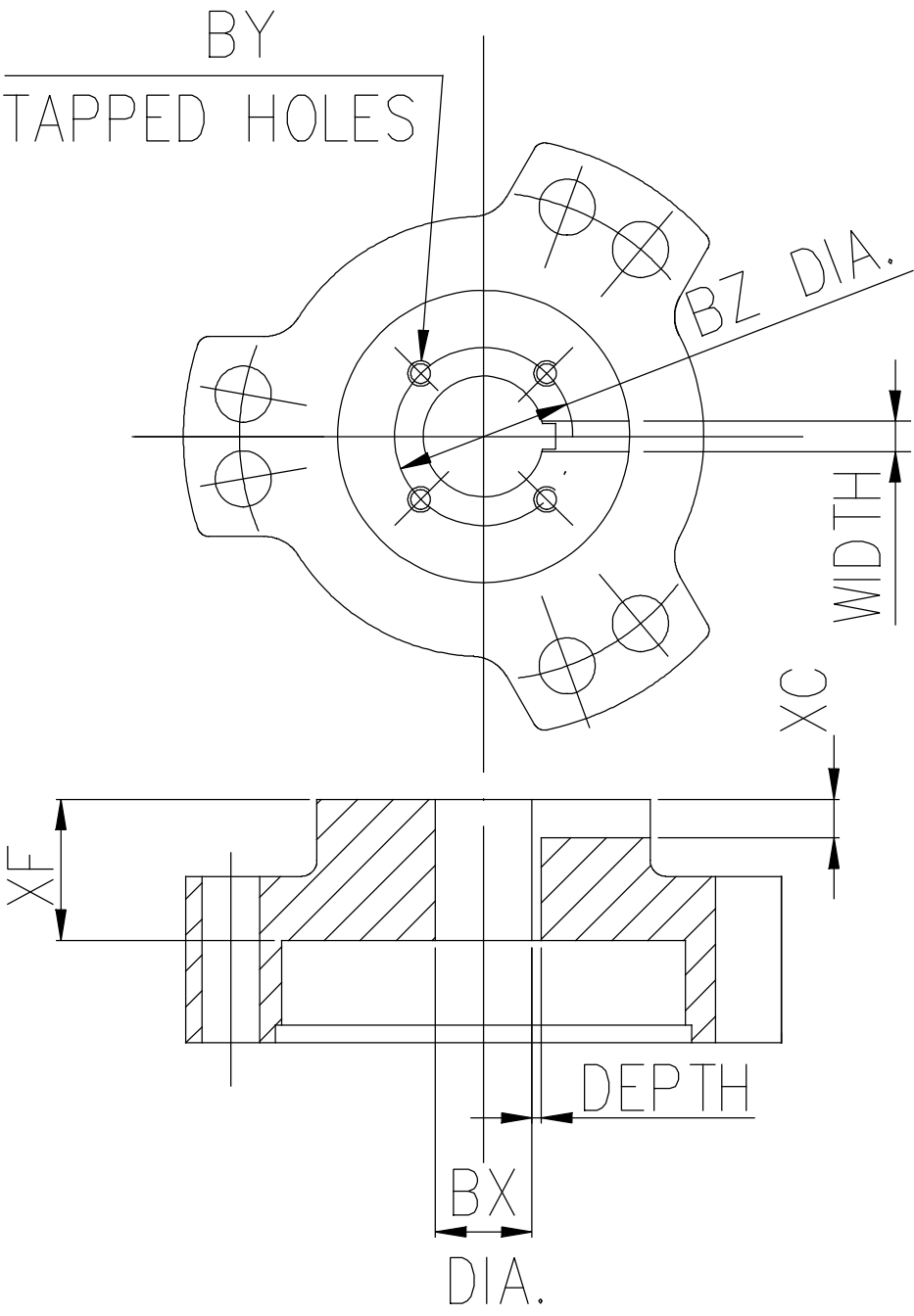
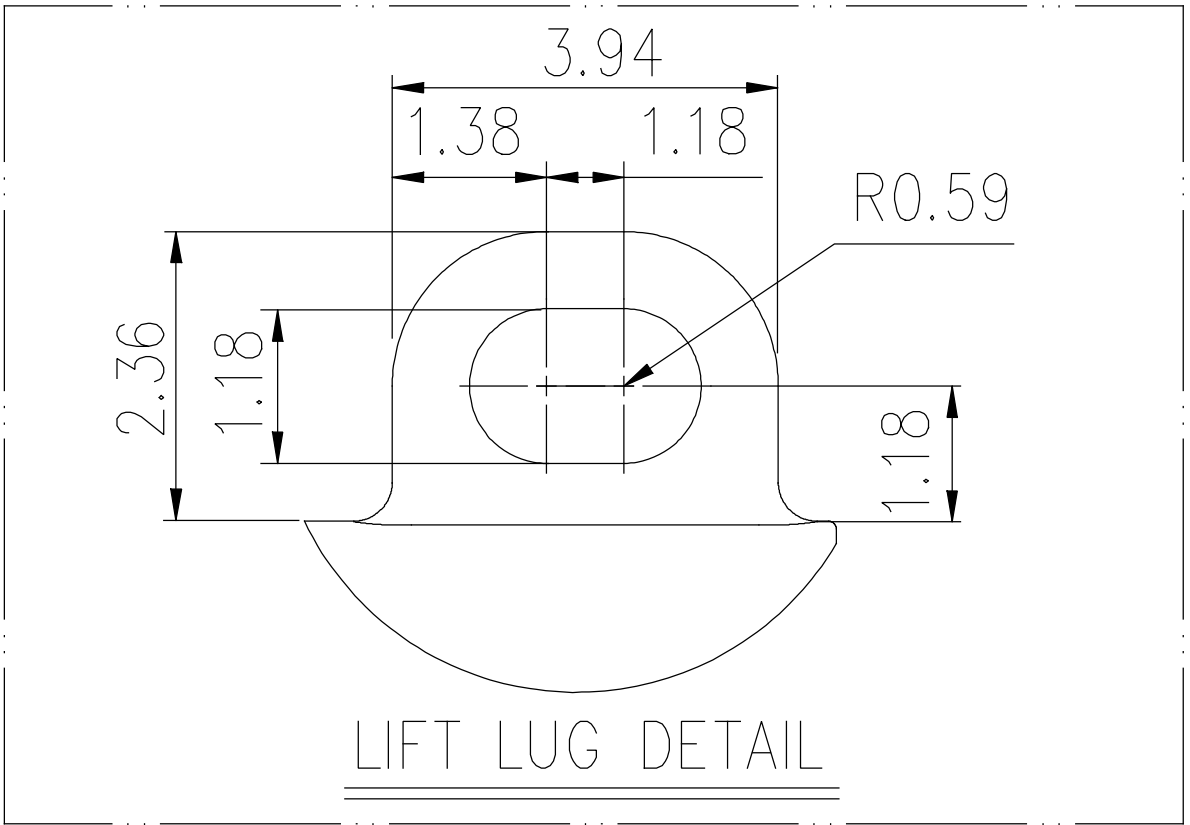
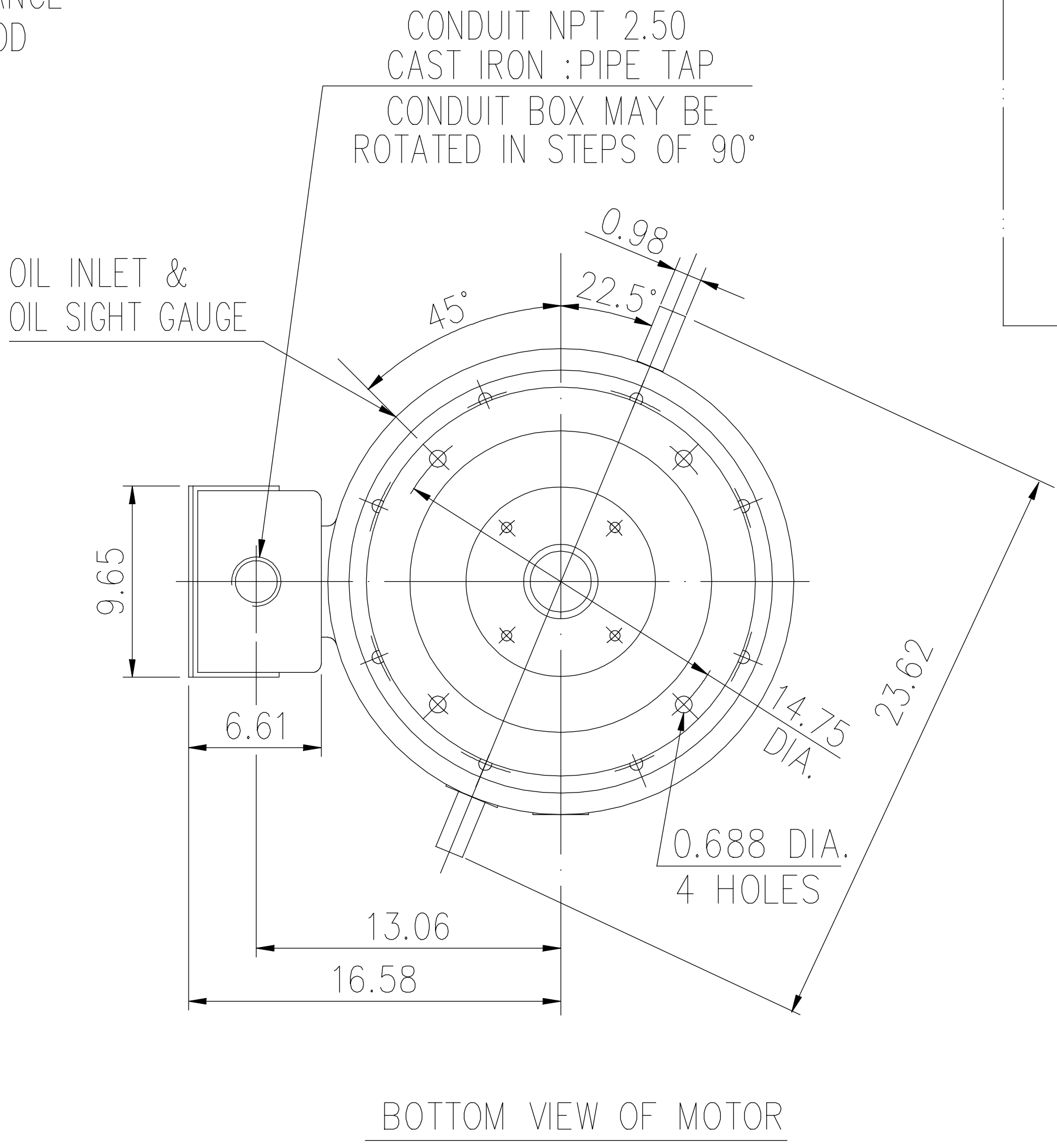
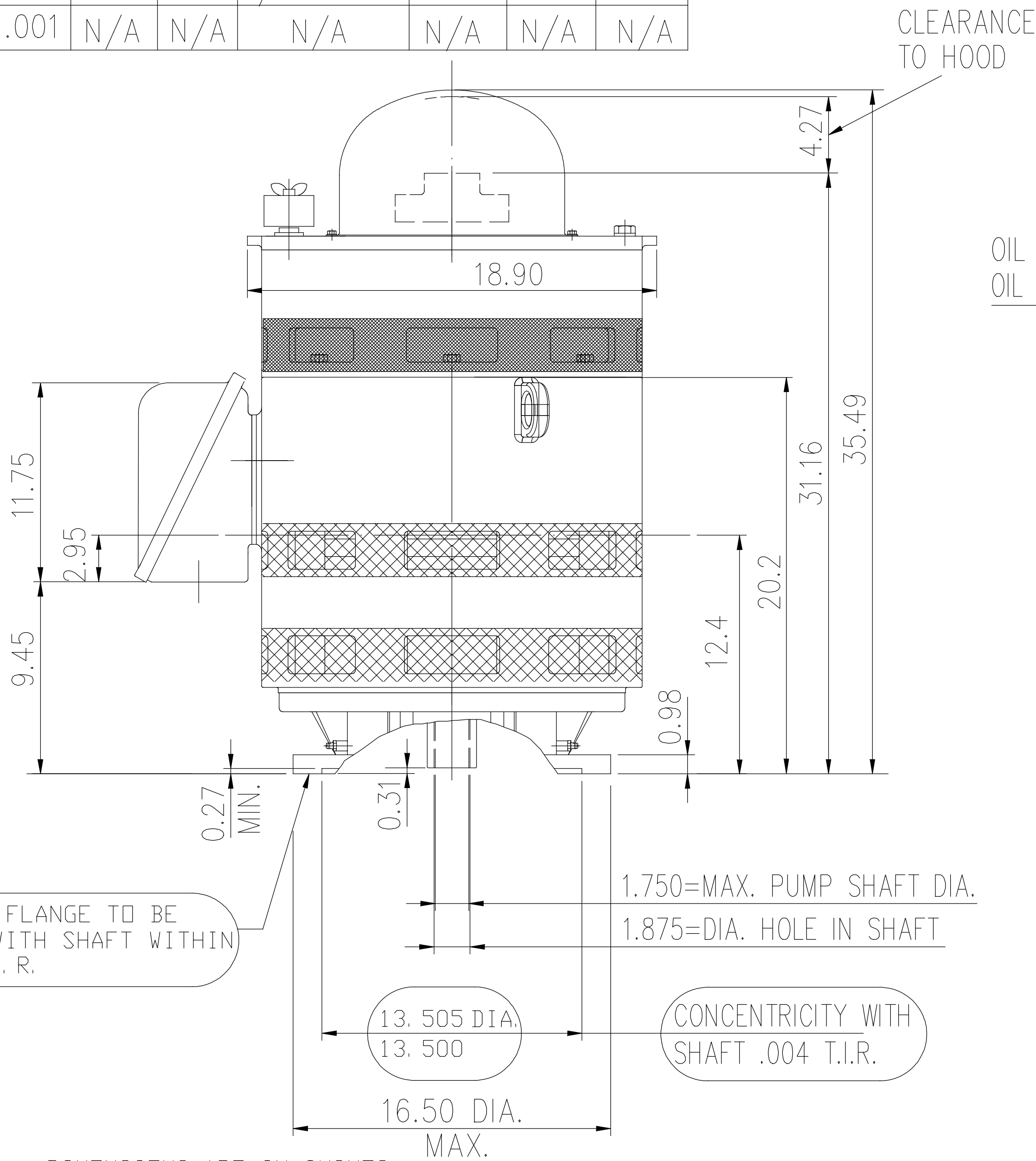
Phase	3	Output HP	75 & 60 Hp
Output KW	56.0 & 45.0 kW	Voltage	230/460 & 190/380 V
Speed	3560 & 2955 rpm	Service Factor	1.15 & 1.15
Frame	364TPV	Enclosure	Weather Protected 1
Thermal Protection	No Protection	Efficiency	93.6 & 92.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	178/89 & 178/89 A	Power Factor	84
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6313	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
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	35.49 in	Shaft Diameter	1.875 in
Shaft Extension	0.31 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	VARIABLE 3:1		
Outline Drawing	SS620841	Connection Drawing	EE7308DX

COUPLING	BX DIA.	KEYWAY		BY	BZ	XF	XC
		WIDE	DEEP				
	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

SS620841



FACE OF FLANGE TO BE SQUARE WITH SHAFT WITHIN .007 T. I. R.

CONCENTRICITY WITH SHAFT .004 T.I.R.

- (1) DIMENSIONS ARE IN INCHES.
- (2) DRIVE END BEARING 6313
OPPOSITE DRIVE END BEARING 7219B
- (3) APPROXIMATE WEIGHT = 1085 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

				TOLERANCES UNLESS SPECIFIED		REGAL REGAL - BELOIT CORPORATION	DRAWN		
				DEC.	INCHES		CHK	APPD	SCALE
				.X	±.1				
				.XX	±.03				
B	UPDATED PER MARK-UPS ECO-0151417	WGJ 9-11-2018	AL	.XXX	±.005	TITLE			
A	RELEASED FOR PRODUCTION ECO-0125213	WGJ 6-13-2017	AL	.XXXX	±.0005	MAT'L.			
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH			
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP		CAD FILE	SIZE	DRAWING NO.	REV.
				DIST			B	SS620841	B

T12 (W4) —
T1 (U1) —
T6 (W2) — L1
T7 (U3) —

T2 (V1) —
T4 (U2) —
T8 (V3) — L2
T10 (U4) —

T3 (W1) —
T5 (V2) —
T9 (W3) — L3
T11 (V4) —

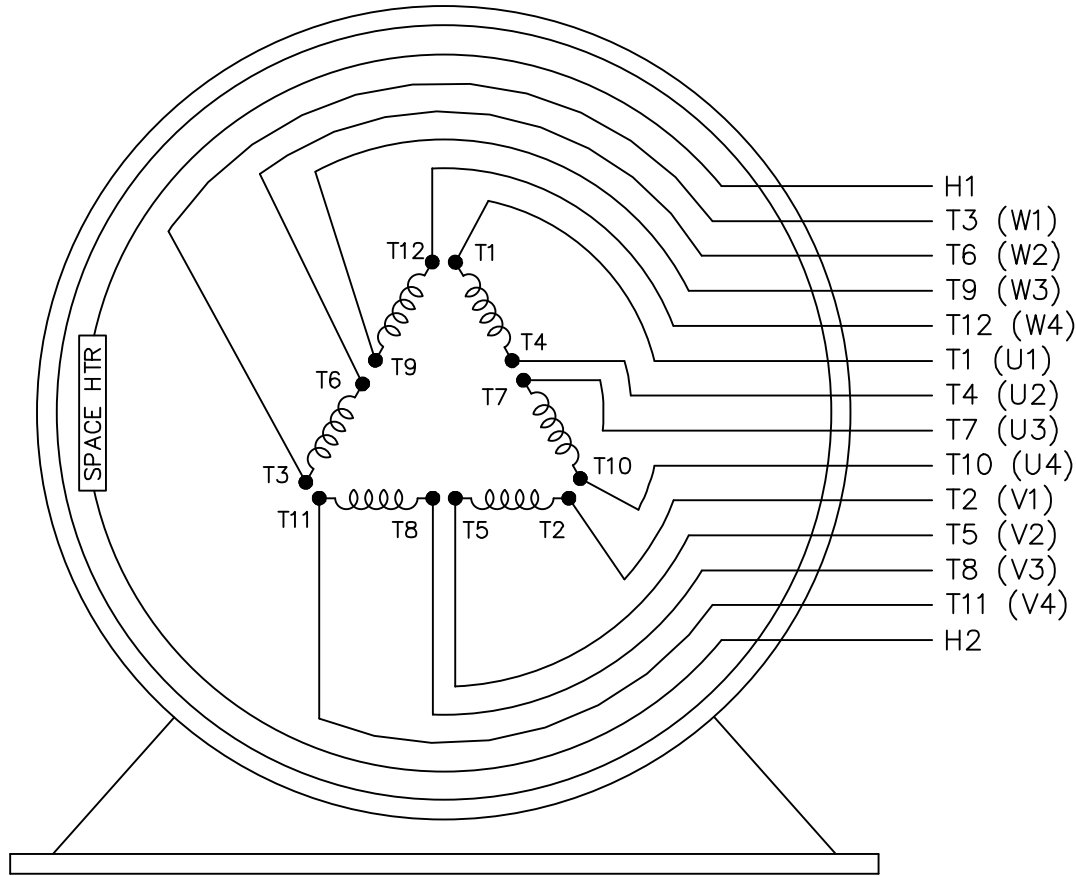
LOW VOLTAGE

T12 (W4) —
T1 (U1) — L1
T4 (U2) —
T7 (U3) —

T2 (V1) —
T10 (U4) — L2
T5 (V2) —
T8 (V3) —

T3 (W1) —
T11 (V4) — L3
T6 (W2) —
T9 (W3) —

HIGH VOLTAGE



VIEW OF TERMINAL END

					TOLERANCES UNLESS SPECIFIED			DRAWN KL 02-05-1999	
					DEC.	INCHES		CHK DJK 02-05-1999	
					.X	± -		APPD DJK 02-05-1999	
					.XX	± -		SCALE 1=1	
2	ADDED IEC MARKINGS	MU110339	MSG 10-15-2012	SJW .XXX	± -		TITLE CONNECTION DIAGRAM 12 LEADS - 3 PHASE - 2/1 DELTA		REF
1	NEW DRAWING	MU23624	KL 02-05-1999	DJK .XXXX	± -				FMF MU23624
NO.	REVISION	BY & DATE	CHK ANG	± -	FINISH			PREV	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP 02-05-1999	CAD FILE EE7308DX	SIZE A	DRAWING NO. EE7308DX	PAGE OF	REV. 2
				DIST					



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

CERTIFICATION DATA SHEET**CUSTOMER:****ORDER #:****CONN. DIAGRAM:** EE7308DX**OUTLINE:** SS620841**WINDING #:** TPE3642001 1**CUSTOMER PO#:****MODEL #:** 364VTDC6001 AA**CUSTOMER PART #:****MOUNTING:** F1/F2 CAPABLE**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
75&60	56.0&45.0	3600	3560&2955	364TPV	WPI	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	178/89&178/89	PWS (LV ONLY) & YDRUN OR INV	CONTINUOUS	F	1.15/1.15	40

FULL LOAD EFF:	93.6&92.4	3/4 LOAD EFF:	94.1	1/2 LOAD EFF:	93.6	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	84&83	3/4 LOAD PF:	82.5	1/2 LOAD PF:	79	93		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
111 LB-FT	1084 / 542	172 LB-FT 152 %	262 LB-FT 245 %	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	7.4 LB-FT^2	- LB-FT^2	20 SEC.	2	1040 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
6313	7219B						

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

*

N

O

T

E

S

*

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 01:28:22 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.


MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

460

Volts

 HP 75&60

 PHASE 3

 Model No 364VTDC6001
60

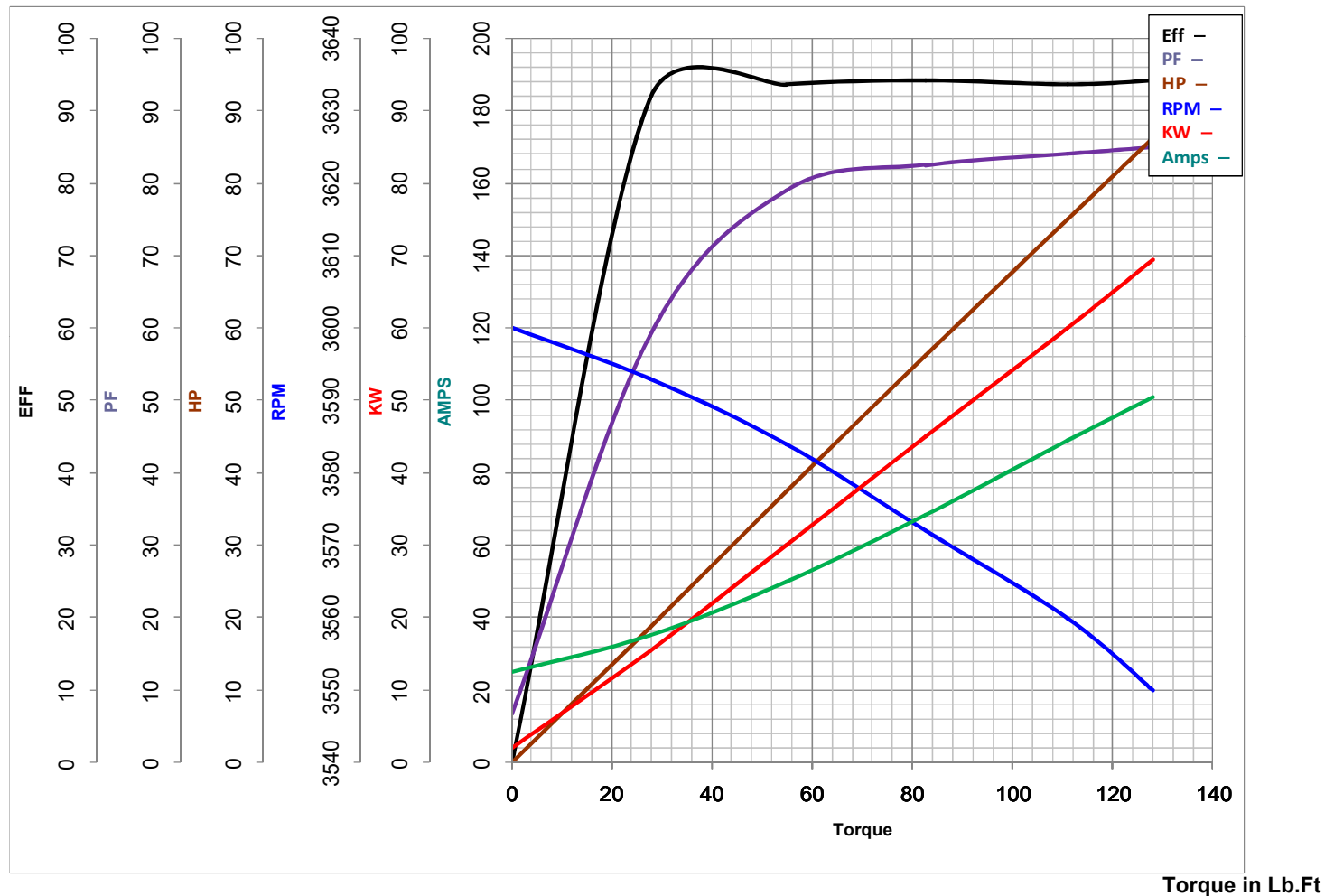
HZ

 VOLTS 230/460&190/380
75

HP

 Catalog No V133A

 HZ 60&50

 RPM 3560&2955


Torque in Lb.Ft

 FL TORQUE 111 Lb.Ft

 BD TORQUE 262.0 Lb.Ft

 LR TORQUE 172 Lb.Ft

 FL AMPS 178/89

 PU TORQUE 145.0 Lb.Ft

 LR AMPS 542

WINDING TPE3642001-1

Date 11/2/2018