

PRODUCT INFORMATION PACKET



Model No: 132357.00

Catalog No: 132357.00

..3HP..3600RPM.182TYZ.TEFC.208-230/460VAC.3PH.60HZ.CONT.40C.1.15 SF.2-Bolt SAE B.....

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Nameplate Specifications

Phase	3	Output HP	3 & 2 Hp
Output KW	2.2 & 1.5 kW	Voltage	208-230/460 & 190/380 V
Speed	2510 & 2920 rpm	Service Factor	1.15 & 1.15
Frame	182TZ	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	84 & 85.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	7.9-7.8/3.9 & 6.8/3.4 A	Power Factor	82.7
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	3.97 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 10:1		
Outline Drawing	608-0007-900	Connection Drawing	005010.01

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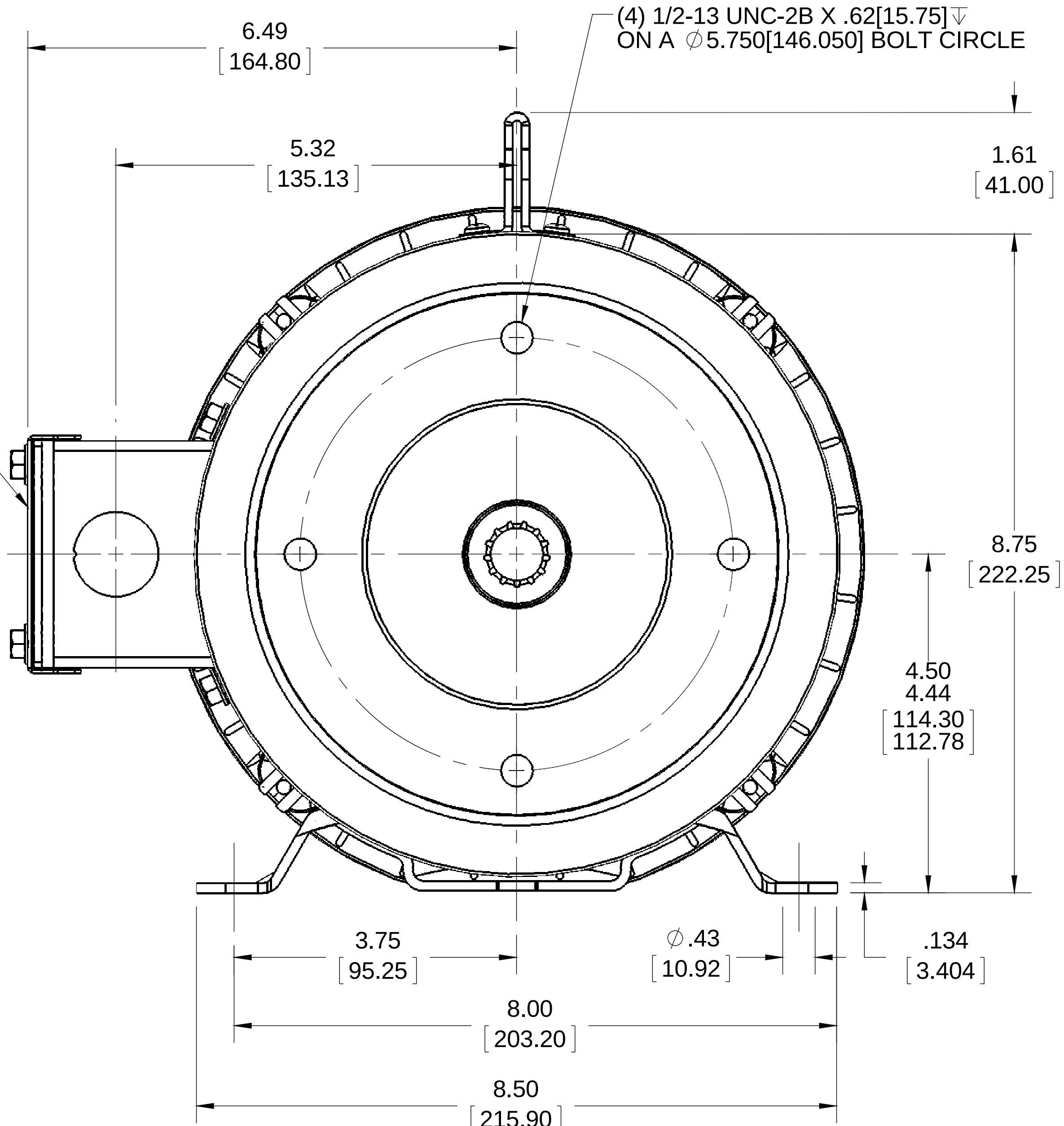
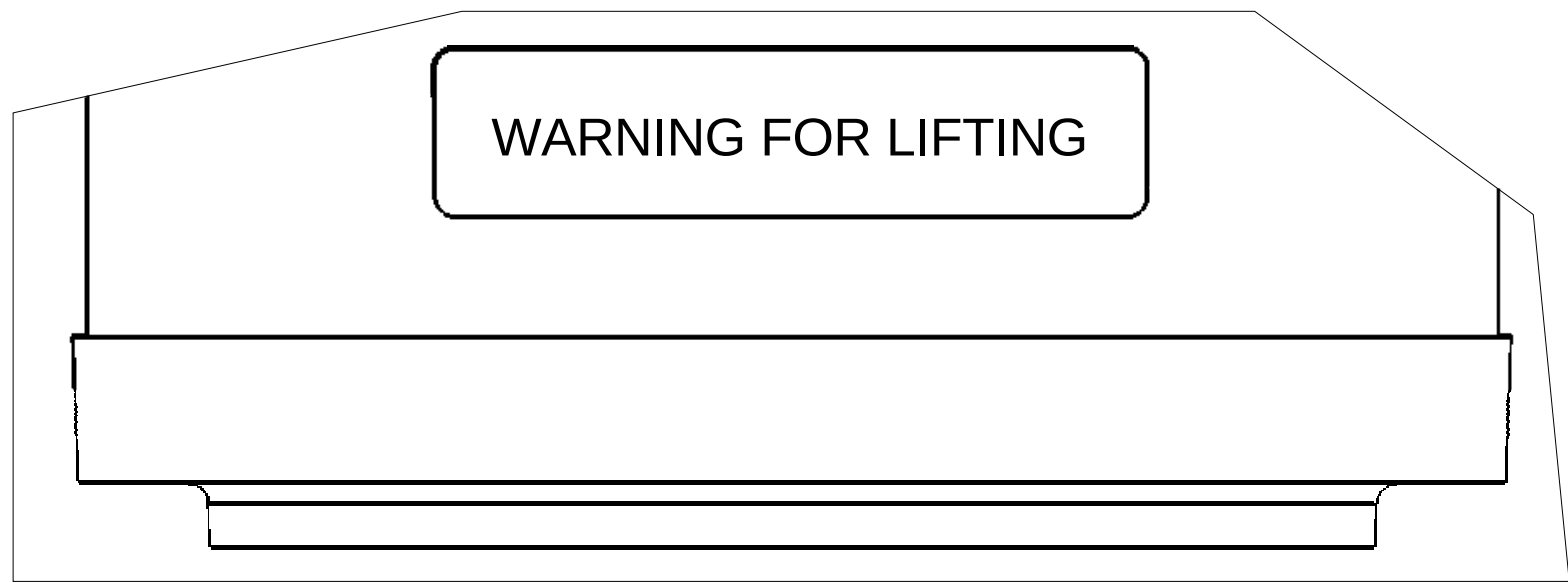
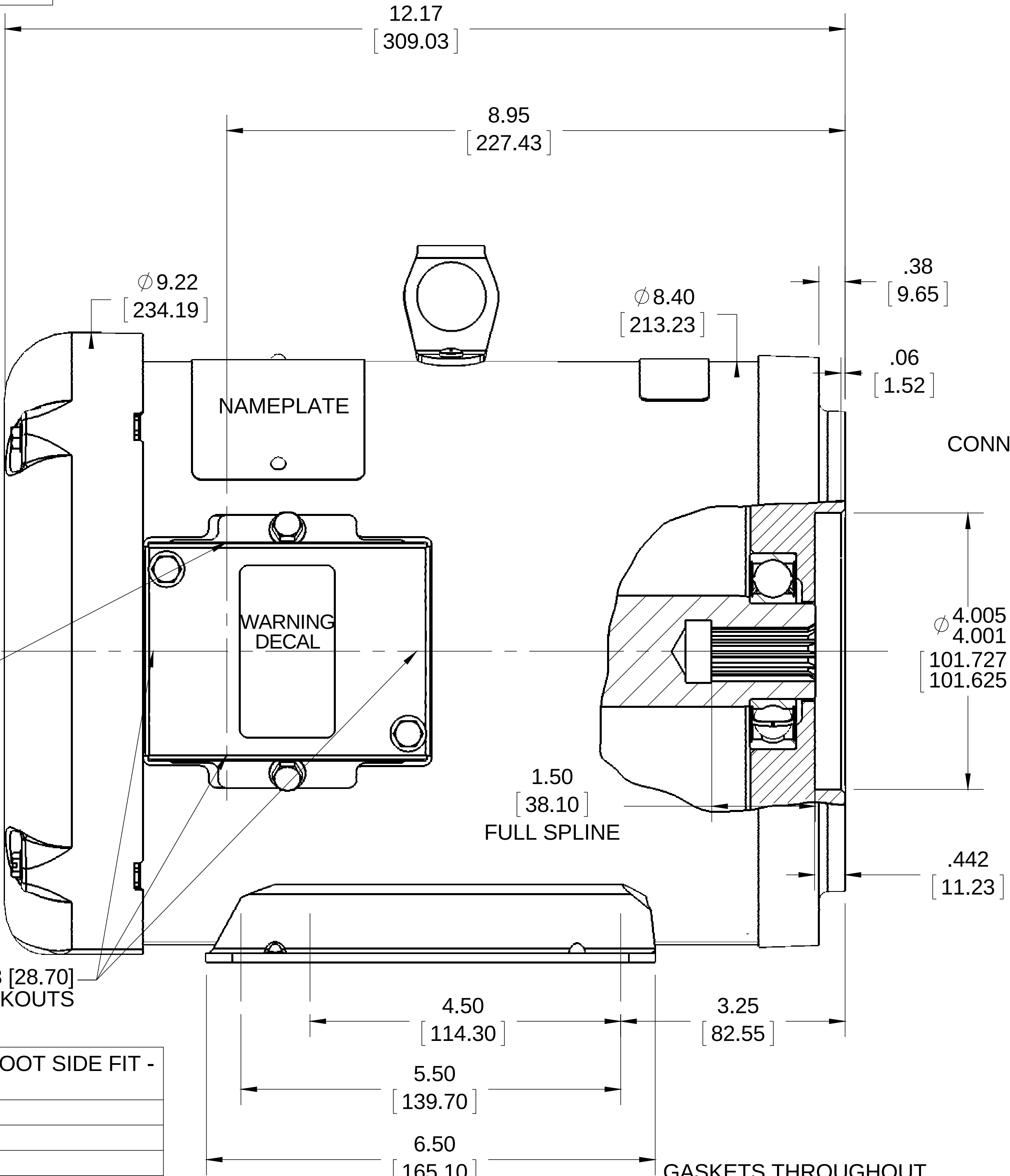
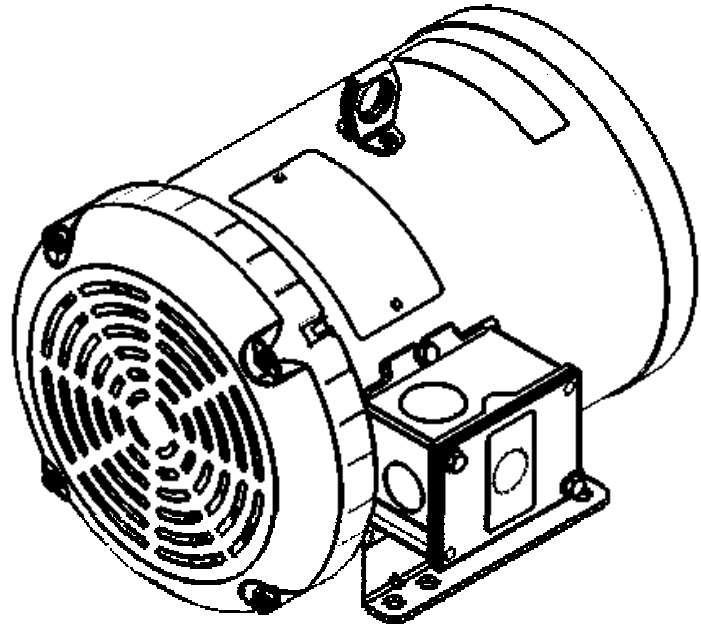
4

3

2

1

PART NUMBER	ORACLE PART REV.	EDGE PART REV.
608-0007	01	B



B

B

A

A

INTERNAL INVOLUTE SPLINE FLAT ROOT SIDE FIT - CLASS 5 FIT	
NO. OF TEETH	13
SPLINE PITCH	16/32
PRESSURE ANGLE	30°
BASE DIAMETER	.7036 [17.8714] REF.
PITCH DIAMETER	.8125 [20.6375]
MAJOR DIAMETER	.897 [22.784] MAX
FORM DIAMETER	.879 [22.327]
MINOR DIAMETER	.755/.750 [19.177/19.050]
CIRCULAR SPACE WIDTH	
MAXIMUM ACTUAL	.1008 [2.5603]
MINIMUM EFFECTIVE	.0982 [2.4943]
SIZE BETWEEN ϕ .108[2.743] PINS	BHT .654/.656 [16.612/16.662] AHT .652/.654 [16.561/16.612]
ANSI B92.1-1996 PROVISIONS APPLY	

DASH NO	"C"	"AD"
900	12.17	8.95
1000	13.17	9.95

DRAWING REVISION C	REVISION BY SS	DATE 03/22/16
ECO ECO-0098710	APPROVED BY SS	DATE 03/22/16
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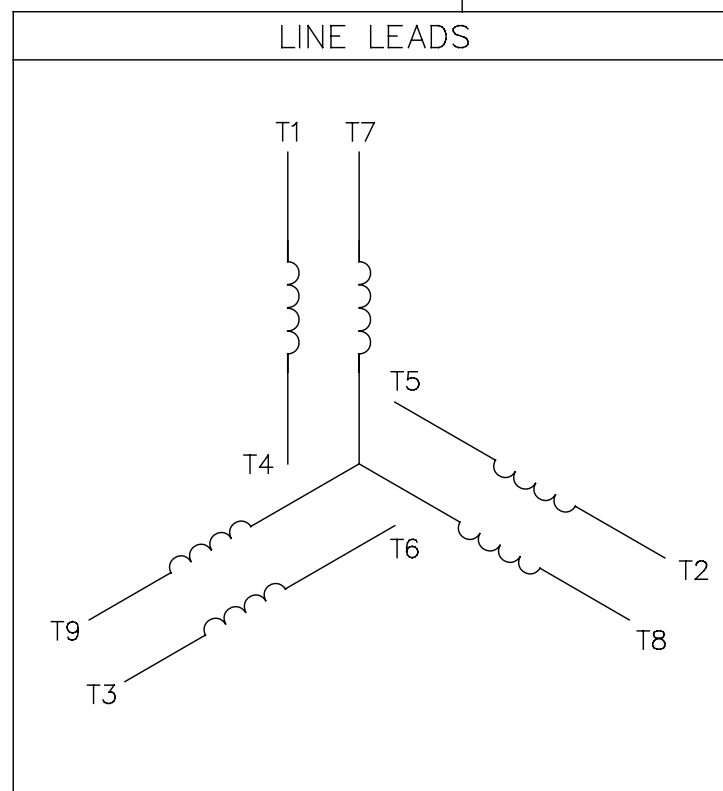
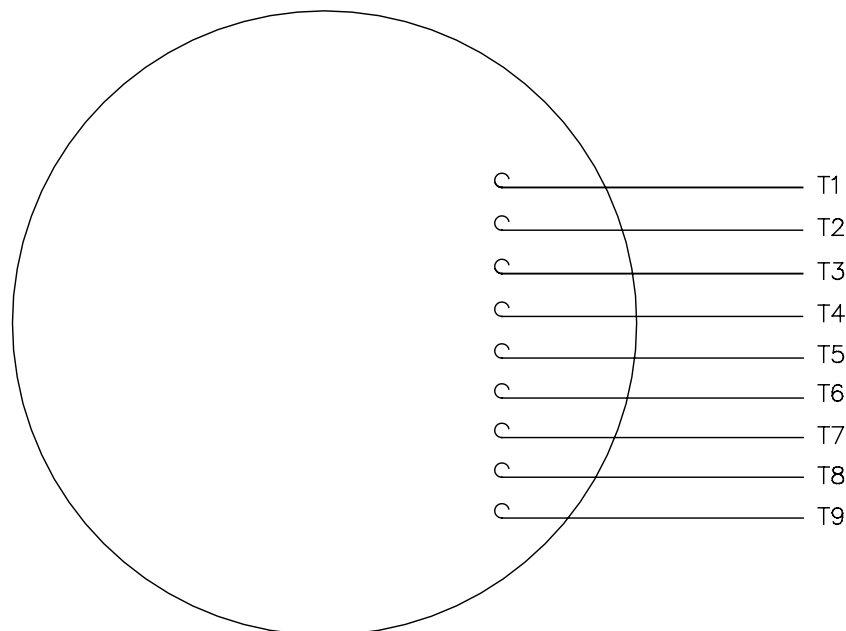
TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381]			
CORNER FILLETS: .02 [.51]			
MACHINED SURFACES: 125 INCH 3.2 mm			
mm SHOWN IN [BRACKETS]			

DRAWN BY MITCH VERBICK	DATE 2/4/2014
APPROVED BY	DATE
PROCESS/FINISH	DATE
THIRD ANGLE PROJECTION	DATE

 RegalTM Beloit America, Inc.		
DESCRIPTION		
OUTLINE 180 FR TEFC SAE B 2-BOLT		
MATERIAL		
SIZE B	DRAWING NUMBER 608-0007	SHEET 1 OF 1

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.			DRAWN	RDW 04/12/02				
				DEC.	INCHES				CHK					
				.X	±.1				APPD					
				.XX	±.01				TITLE	EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR	SCALE	1=1		
				.XXX	±.005	REF	FIG.2-51							
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XXXX	±.0005	MAT'L.			DECAL - 004014			FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2*	FINISH						PREV		
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				DIST		BRF-NLV				A	005010-01		A	

Data Sheet

Date: 9/30/2022

132357.00

Customer: _____

Attention: _____

Submitted by: _____



Submittal

Data @ 460 V

Motor Load Data

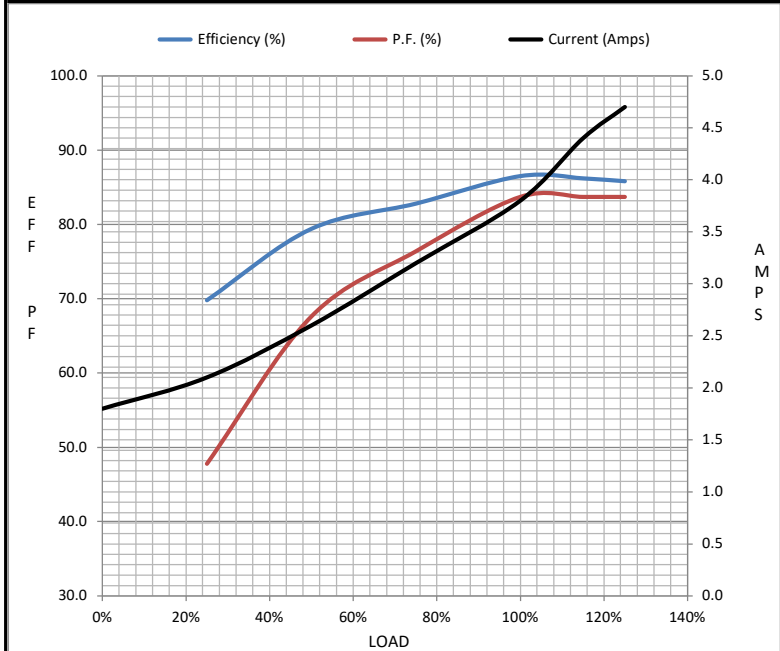
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.80	2.10	2.60	3.2	3.8	4.4	4.7	33.0	
Torque (ft-lb)	0.00	1.10	2.20	3.3	4.5	4.8	5.2	11.0	
RPM	3600	3578	3559	3539	3510	3505	3500	0	
Efficiency (%)		69.8	79.4	82.8	86.5	86.2	85.8		
P.F. (%)	13.9	47.8	67.6	76.4	83.7	83.7	83.7	49.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	2800	3510	3600
Current (Amps)	33.0	32.0	21.7	3.8	1.80
Torque (ft-lb)	11.0	9.5	18.2	4.5	0.00

Information Block

HP	3.0			
Sync. RPM	3600			
Frame	182			
Enclosure	TEFC			
Construction	TFW			
Voltage	208-230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	45 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	3,300 feet			
Rotor/Shaft wk²	0.2 Lb-Ft²			
Ref Wdg	T82102 FR			
Sound Pressure @ 1M	75 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg				
Conn. Diag	005010.01			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

