

PRODUCT INFORMATION PACKET



Model No: EX132345.00

Catalog No: EX132345.00

EX132345.00..3.0/2.0HP..2510/2920RPM.182TZ.TEFC.208-230/460//190/380V.3PH.60/50HZ.CONT.40C.1.15SF.R
IGID.....

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Nameplate Specifications

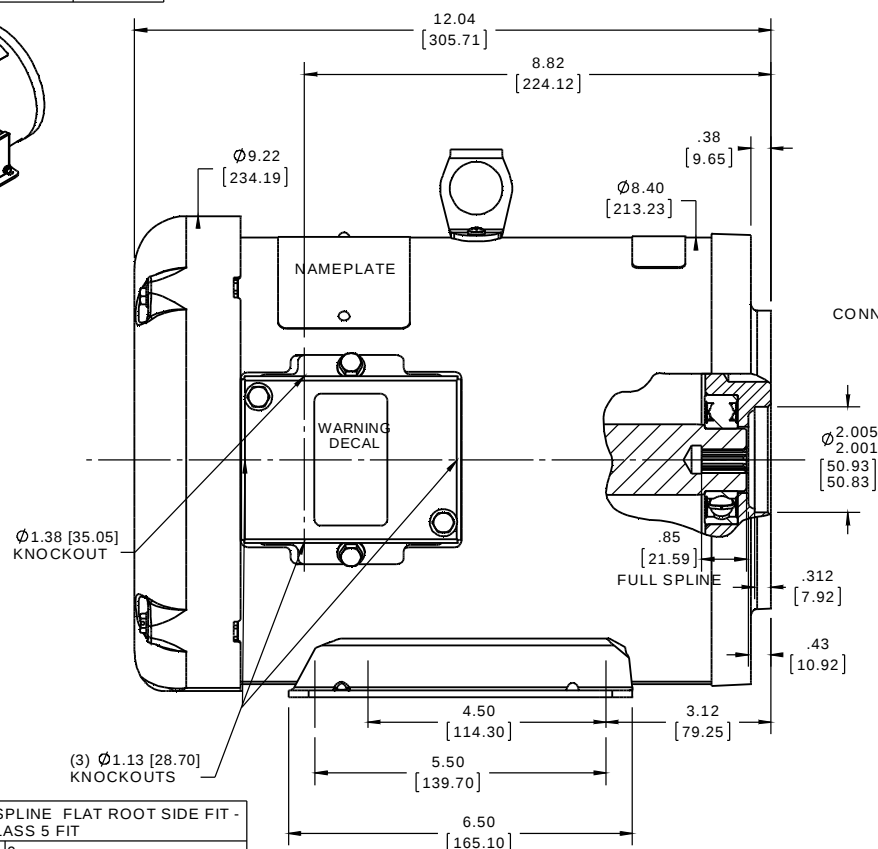
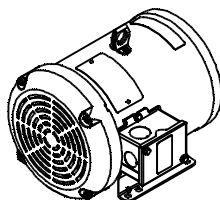
Phase	3	Output HP	3 & 2 Hp
Output KW	2.2 & 1.5 kW	Voltage	208-230/460 & 190/380 V
Speed	2510 & 2920 rpm	Service Factor	1.15 & 1.15
Frame	182TZ	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	84 & 85.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	7.9-7.8/3.9 & 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	608-0005-000	Connection Drawing	005010.01

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PART NUMBER	ORACLE PART REV.	EDGE PART REV.
608-0005	01	B



INTERNAL INVOLUTE SPLINE FLAT ROOT SIDE FIT - CLASS 5 FIT	
NO. OF TEETH	9
SPLINE PITCH	20/40
PRESSURE ANGLE	30°
BASE DIAMETER	.3898 [9.9009] REF.
PITCH DIAMETER	.4500 [11.4300] REF.
MAJOR DIAMETER	.5190 [13.1826] MAX
FORM DIAMETER	.501 [12.7254]
MINOR DIAMETER	.405/.406 [10.287/10.312]
CIRCULAR SPACE WIDTH	
MAXIMUM ACTUAL	.0825 [2.0955]
MINIMUM EFFECTIVE	.0785 [1.9939]
SIZE BETWEEN Ø.108[2.743] PINS	----- -----
ANSI B92.1-1996 PROVISIONS APPLY	

GASKETS THROUGHOUT
MAXIMUM SPLINE PITCH DIAMETER RUNOUT TO BE .004 [.102] T.I.R.

DRAWING REVISION B	REVISION BY CHRIS FISHER	DATE 2/23/2015
ECO ECO-0072285	APPROVED BY SCOTT DENSOW	DATE 2/23/2015
ECO DESCRIPTION BASE LOCATION WAS 3.58 [79.25]		
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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: $\frac{125}{\text{INCH}}$ $\frac{3.2}{\text{mm}}$

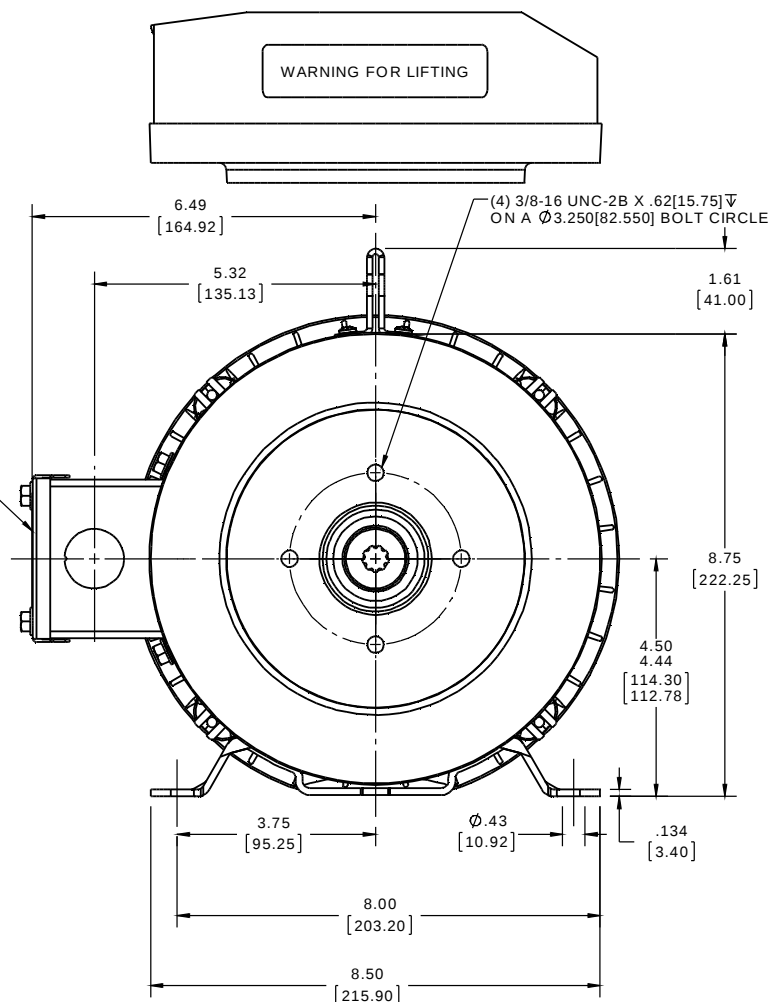
mm SHOWN IN [BRACKETS]

DRAWN BY	MITCH VERBICK
DATE	2/4/2013
APPROVED BY	
DATE	
PROCESS/FINISH	
THIRD ANGLE PROJECTION	

 Regal Beloit America, Inc.

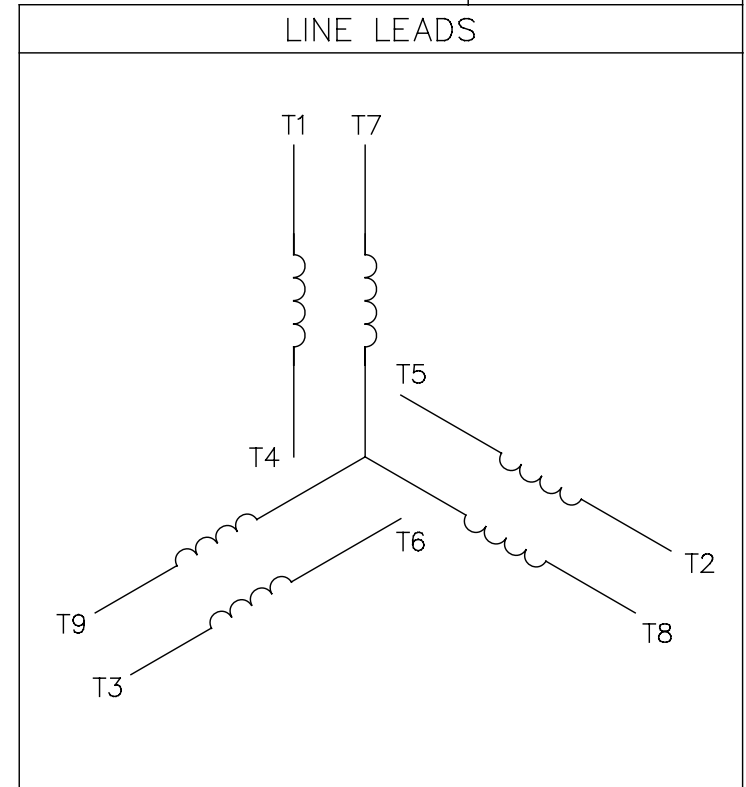
180 FR TEFC SAE AA 2-BOLT

PROCESS/FINISH		MATERIAL		
THIRD ANGLE PROJECTION		SIZE B	DRAWING NUMBER 608-0005	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				SCALE 1=1	
				.XXX	±.005	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR			REF FIG.2-51	
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XXXX	±.0005				MAT'L. DECAL - 004014	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH			PREV	
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			DIST BRF-NLV							