PRODUCT INFORMATION PACKET

Model No: 056T17F15953
Catalog No: FX02BK004
FLEX-IN-1™ General Purpose Motor, 2 & 2 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM, 56HC Frame, TEFC



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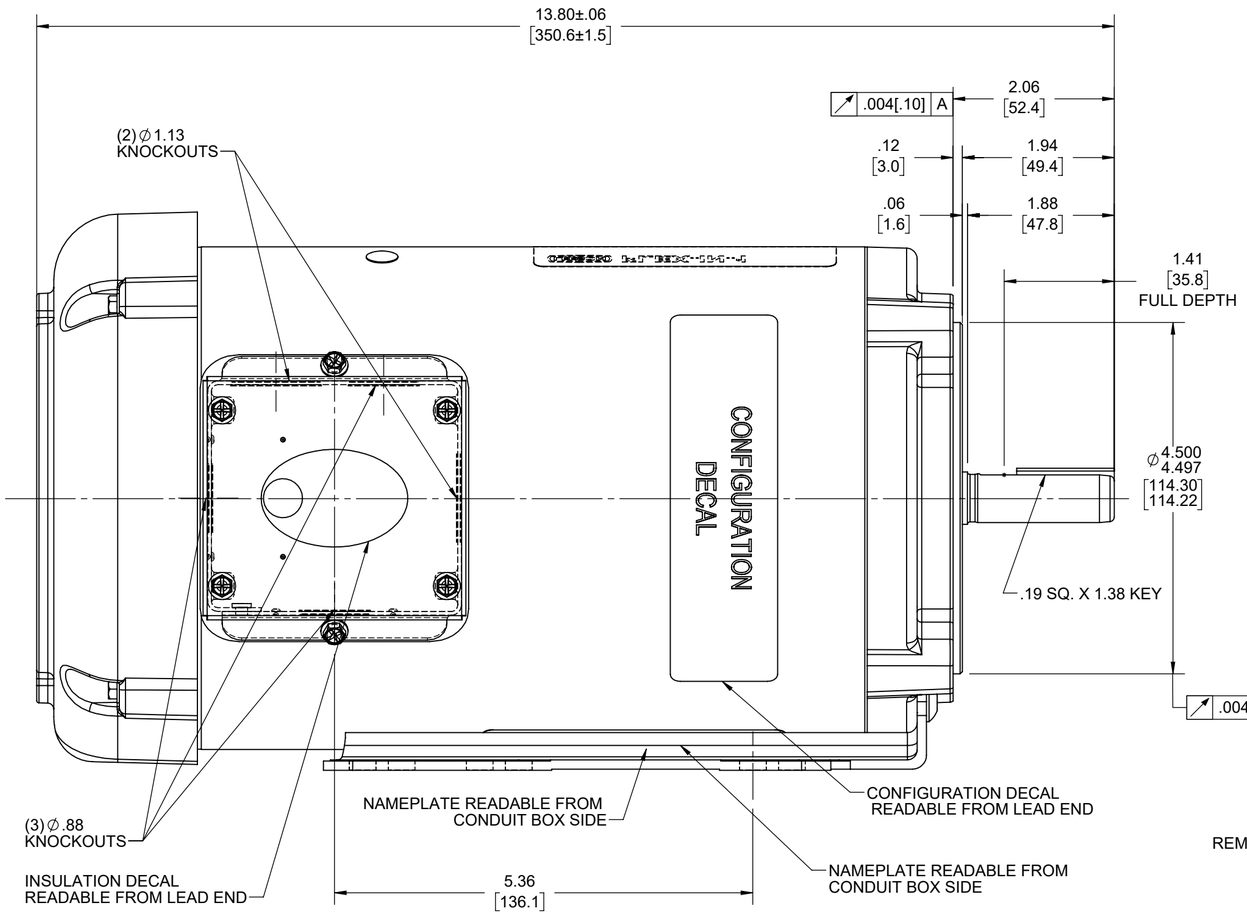
Nameplate Specifications

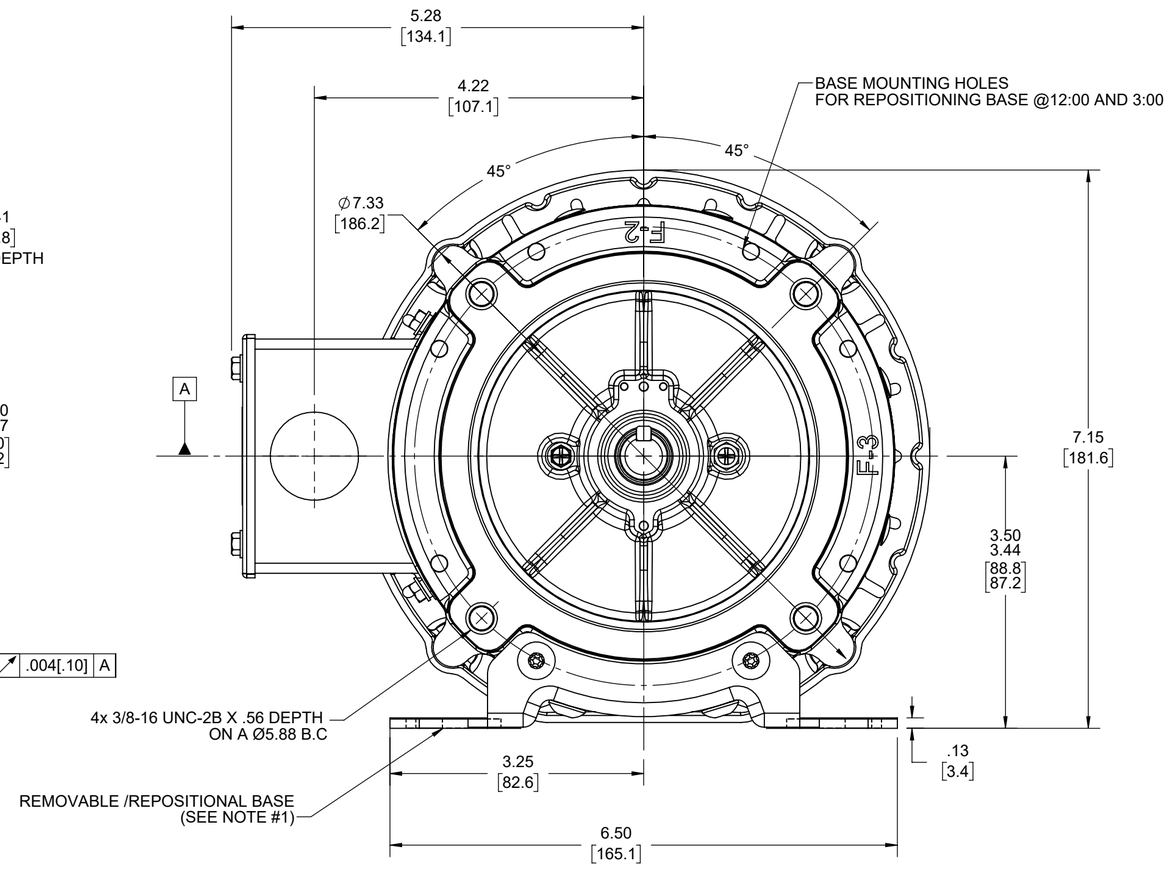
Phase	3	Output HP	2 & 2 Hp
Output KW	1.5 & 1.5 kW	Voltage	208-230/460 & 190/380 V
Speed	1725 & 1425 rpm	Service Factor	1.15 & 1.00
Frame	56HC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	86.5 & 85.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	6.2-6/3 & 6.8/3.4 A	Power Factor	71
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	N
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

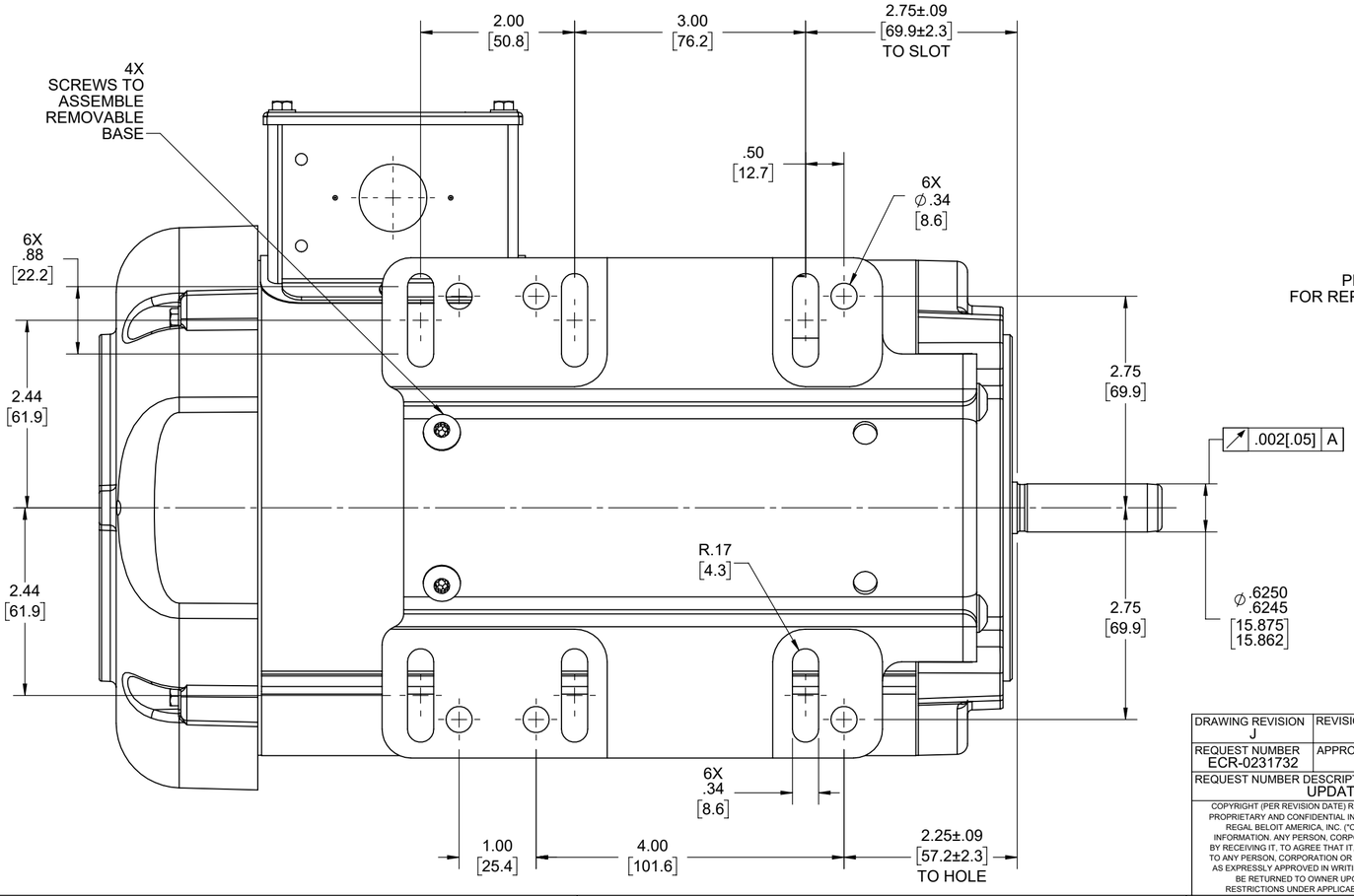
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Mounting	Bolt-on Base	Motor Orientation	Horizontal Or Up Or Down
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Shaft Diameter	0.625 in	Assembly/Box Mounting	F1 F2/F3 CAPABLE
Inverter Load	CONSTANT 10:1		
Connection Drawing	CDTD127	Outline Drawing	OL56100822-001

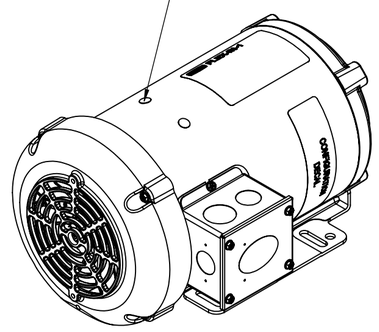
This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:05/16/2024

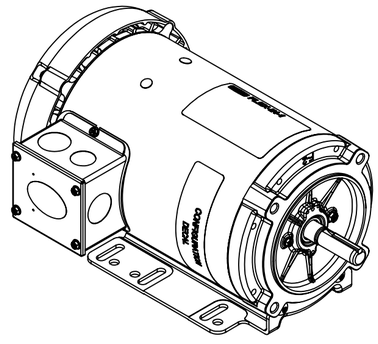






PLUGGED BASE MOUNTING HOLES
FOR REPOSITONING BASE @12:00 OR 3:00





NOTES:

1) REMOVABLE / REPOSITIONAL BASE CAN BE REMOVED FOR C-FACE MOUNTING OR REPOSITIONED TO 12:00 OR 3:00 FACING SHAFT END OF MOTOR FOR NEMA F-2 OR F-3 CONDUIT BOX LOCATION.
2) KEY TO BE SHIPPED IN BAG WITH HOLE PLUGS AND BASE MOUNTING INSTRUCTION SHEET.

DRAWING REVISION: J	REVISION BY: M.P	REV DATE/© DATE: 03/05/2024
REQUEST NUMBER: ECR-0231732	APPROVED BY: P.V.R	DATE: 03/05/2024
REQUEST NUMBER DESCRIPTION: UPDATED AS PER ECR		

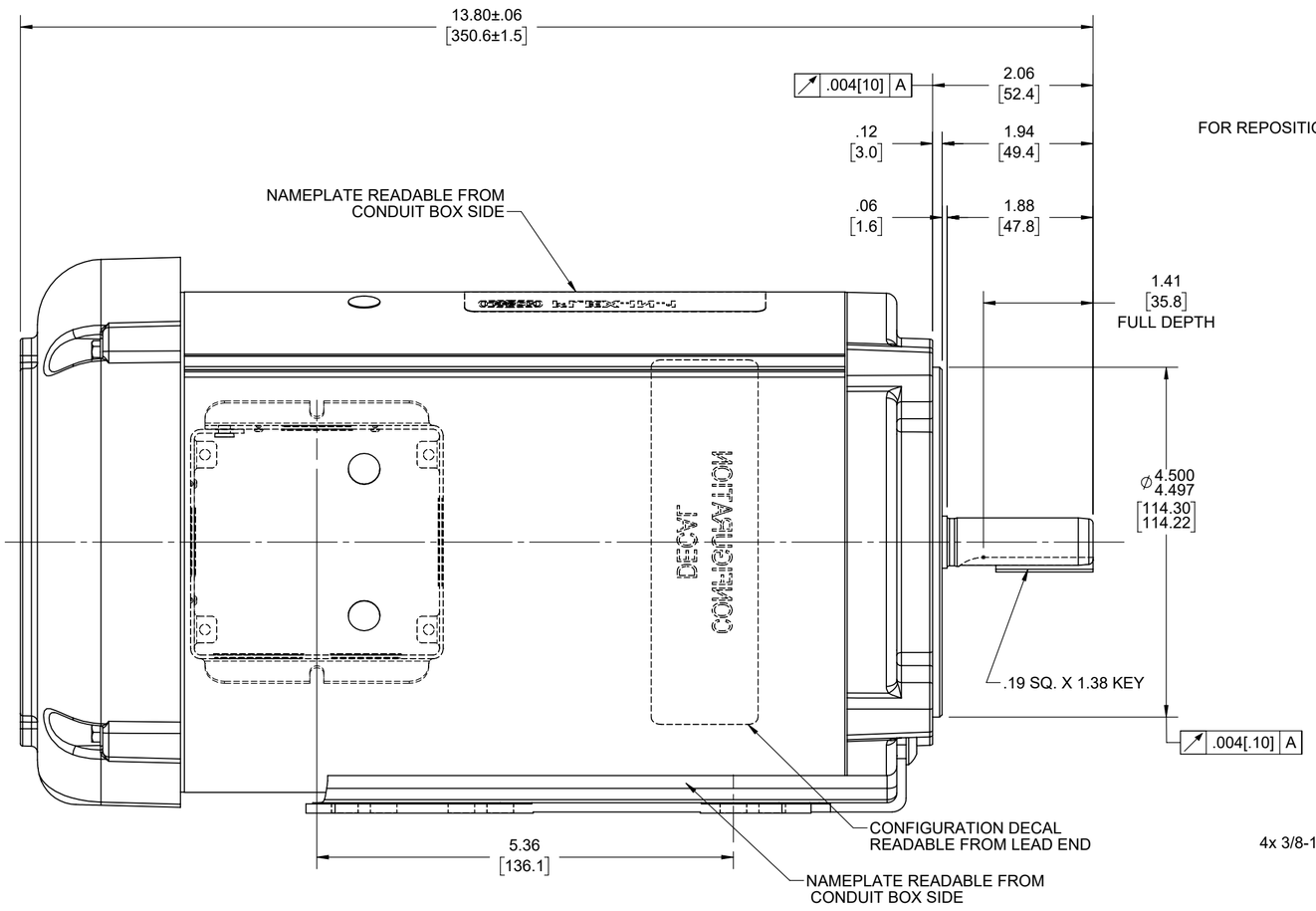
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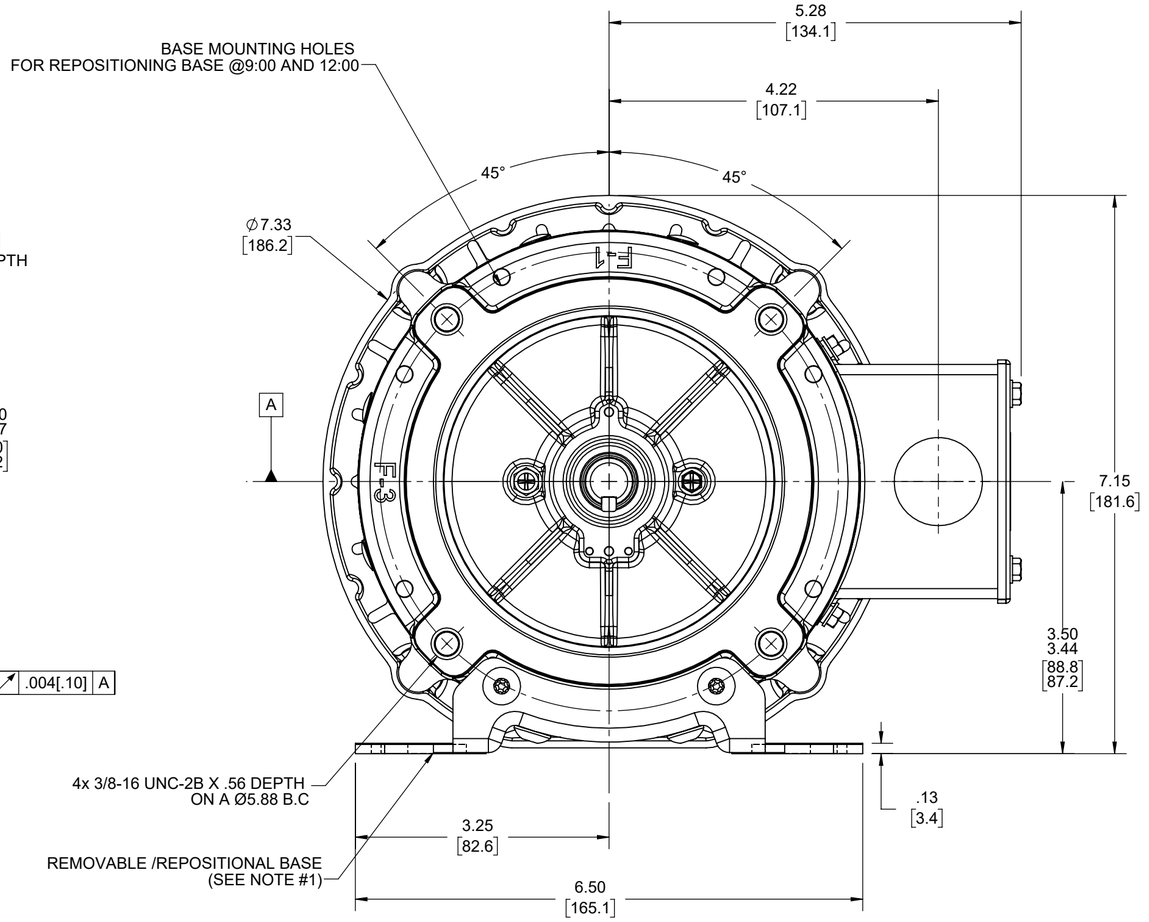
TOLERANCES (EXCEPT AS NOTED):

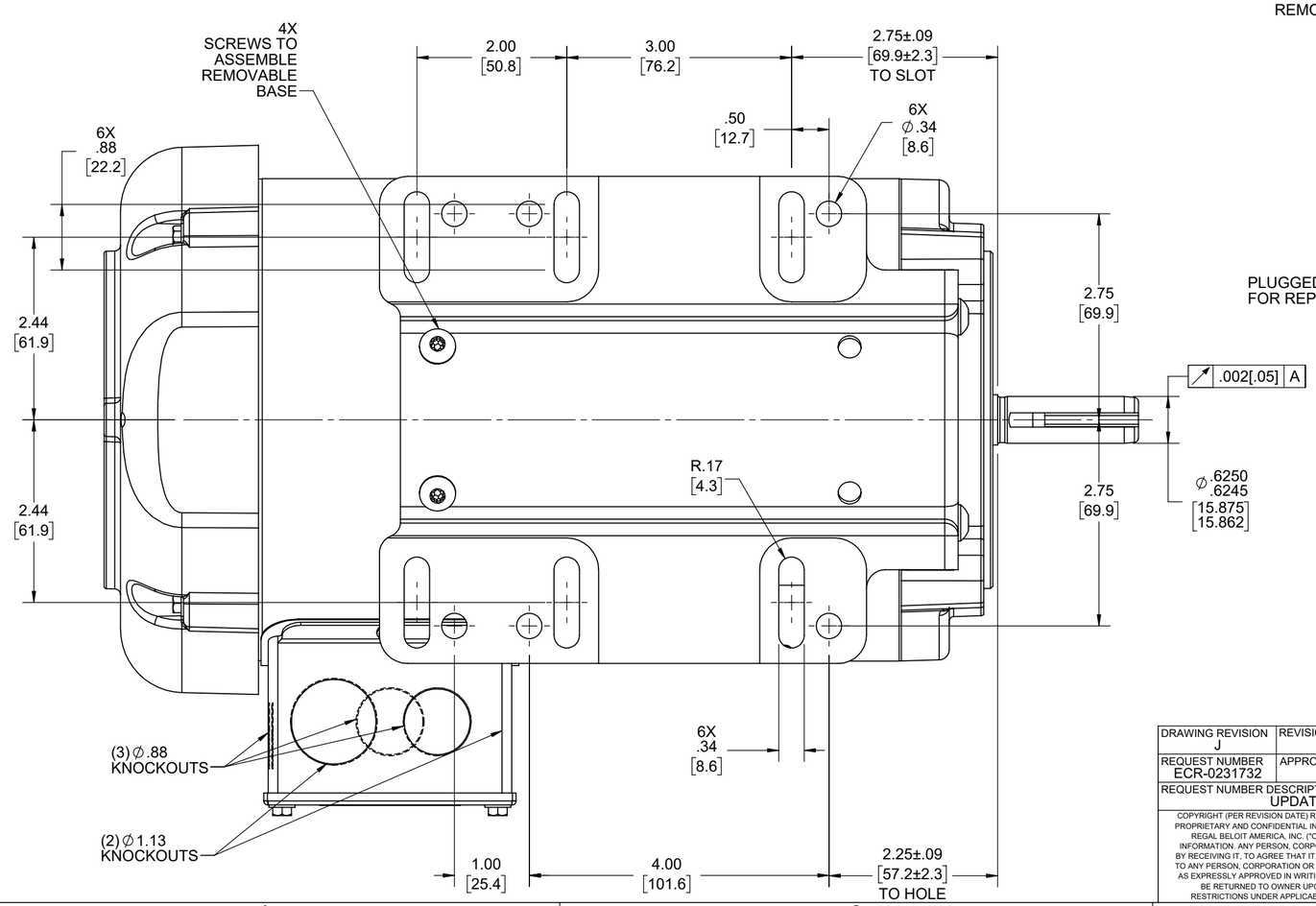
DEC.	INCH	mm	ANGLE
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.XX	±0.02	[±0.5]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45°
CORNER FILLETS: R.02 [.5]
MACHINED SURFACES: 125 INCH / 3.2 mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

DRAWN BY: PRASHANTH	Regal Rexnord — Regal Beloit America, Inc.
DATE: 06/20/2022	
APPROVED BY: PRADEEP	DESCRIPTION: OUTLINE
DATE: 06/20/2022	56-140FR,TEFC, BOLT-ON
REFERENCE	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: C — DRAWING NUMBER: OL56100822-001 — SHEET: 1 OF3

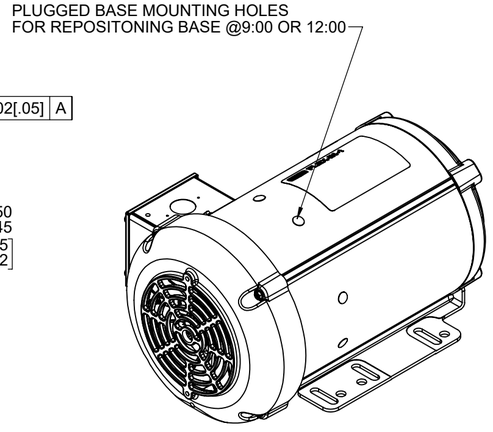


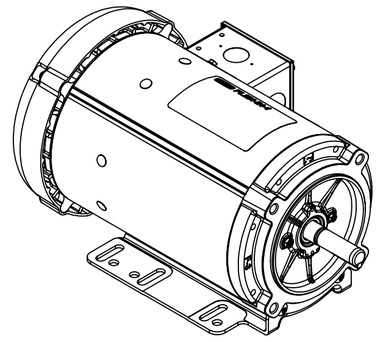




NOTES:

1) REMOVABLE / REPOSITIONAL BASE CAN BE REMOVED FOR C-FACE MOUNTING OR REPOSITIONED TO 12:00 OR 9:00 FACING SHAFT END OF MOTOR FOR NEMA F-1 OR F-3 CONDUIT BOX LOCATION.
2) KEY TO BE SHIPPED IN BAG WITH HOLE PLUGS AND BASE MOUNTING INSTRUCTION SHEET.





DRAWING REVISION: J	REVISION BY: M.P	REV DATE/© DATE: 03/05/2024
REQUEST NUMBER: ECR-0231732	APPROVED BY: P.V.R	DATE: 03/05/2024
REQUEST NUMBER DESCRIPTION: UPDATED AS PER ECR		

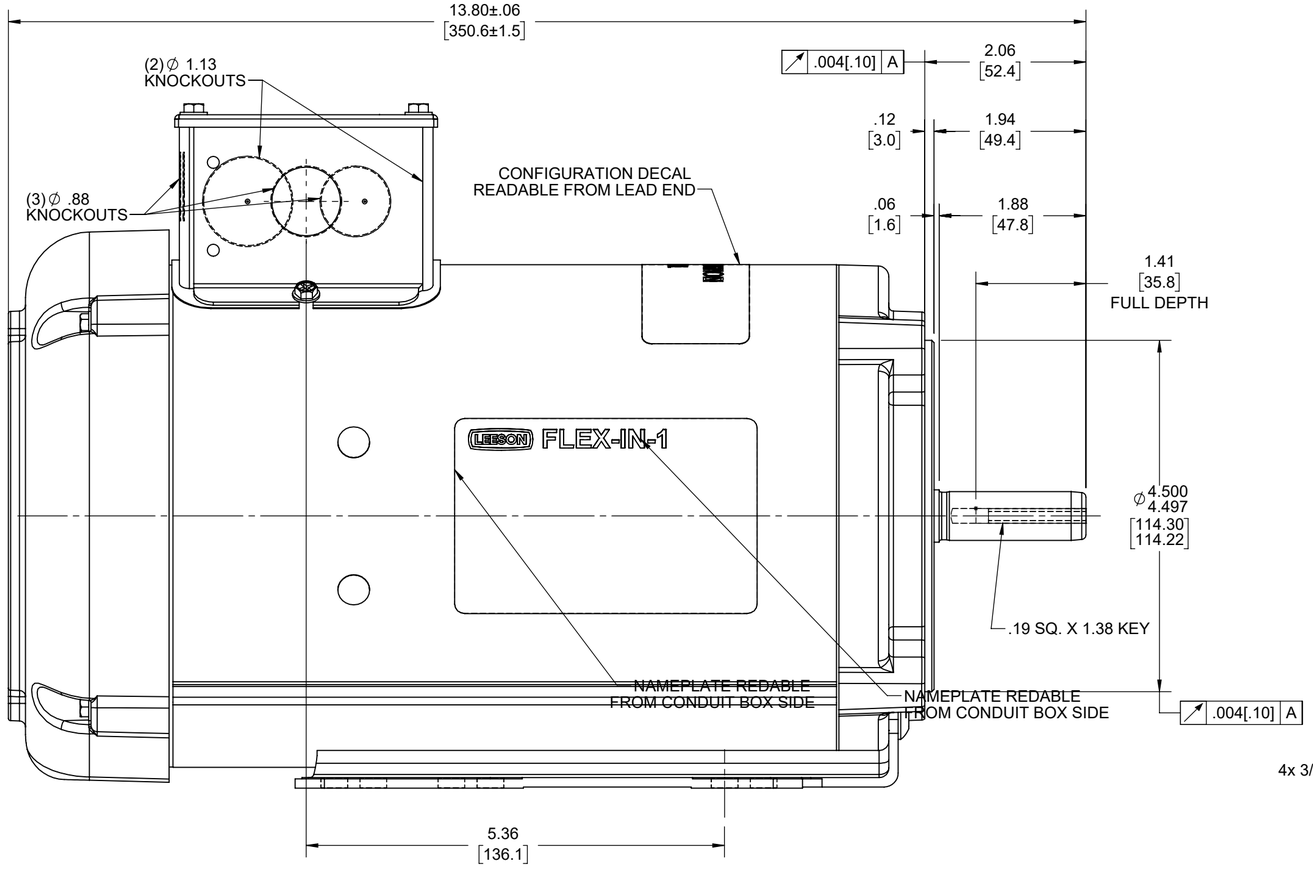
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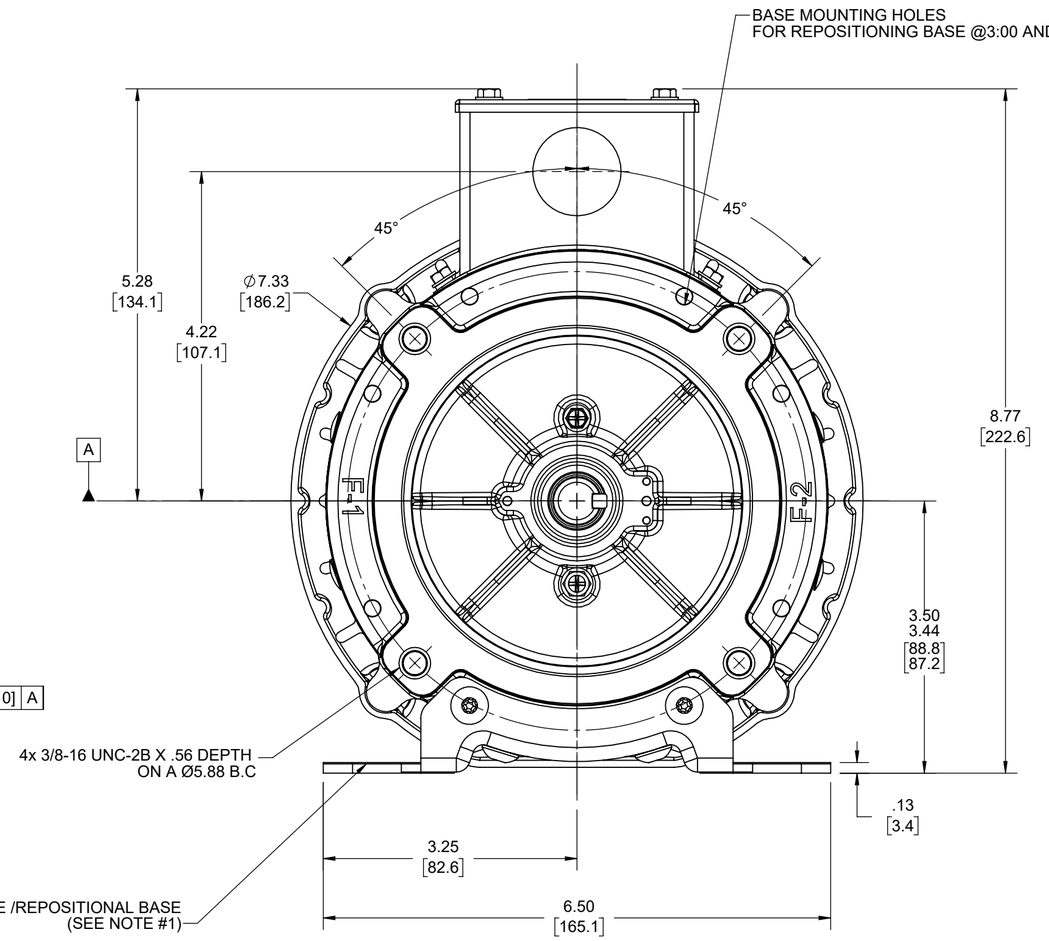
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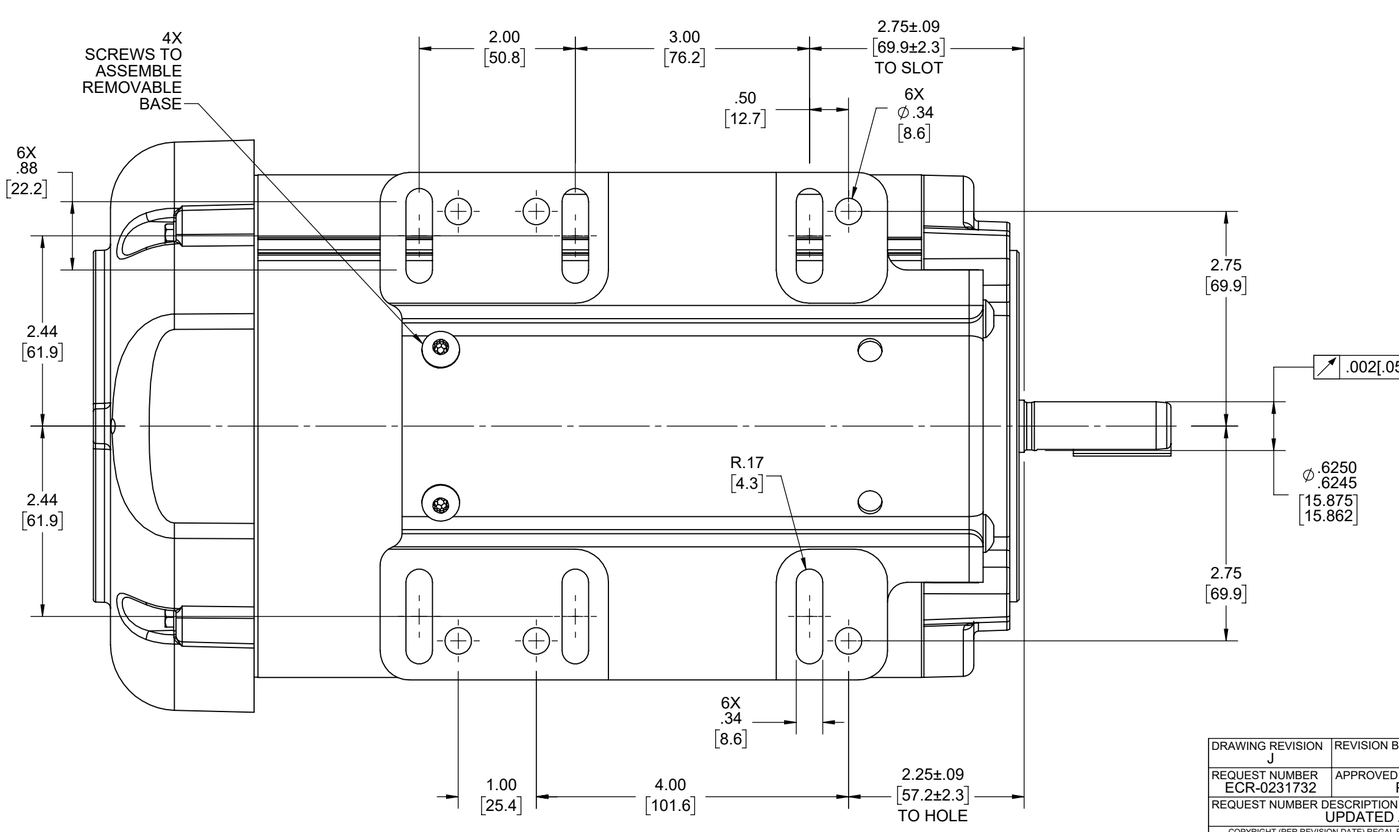
DEC.	INCH	mm	ANGLE
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.XX	±0.02	[±0.5]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

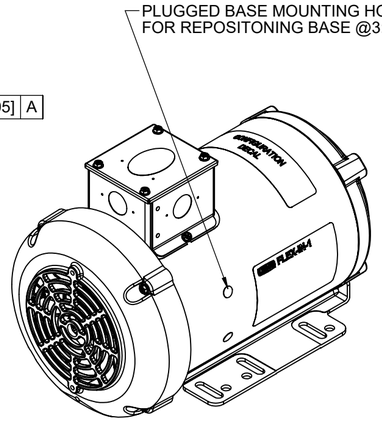
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45°
CORNER FILLETS: R.02 [.5]
MACHINED SURFACES: 125 INCH / 3.2 mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

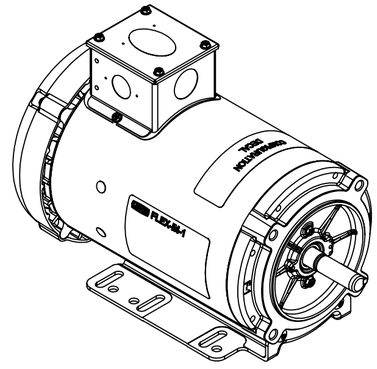
DRAWN BY: PRASHANTH	Regal Rexnord — Regal Beloit America, Inc.
DATE: 06/20/2022	
APPROVED BY: PRADEEP	DESCRIPTION: OUTLINE, 56-140FR,TEFC, BOLT-ON
DATE: 06/20/2022	
REFERENCE	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: C — DRAWING NUMBER: OL56100822-001 — SHEET: 2 OF3











NOTES:

1) REMOVABLE / REPOSITIONAL BASE CAN BE REMOVED FOR C-FACE MOUNTING OR REPOSITIONED TO 9:00 OR 3:00 FACING SHAFT END OF MOTOR FOR NEMA F-1 OR F-2 CONDUIT BOX LOCATION.
2) KEY TO BE SHIPPED IN BAG WITH HOLE PLUGS AND BASE MOUNTING INSTRUCTION SHEET.

DRAWING REVISION: J	REVISION BY: M.P	REV DATE/© DATE: 03/05/2024
REQUEST NUMBER: ECR-0231732	APPROVED BY: P.V.R	DATE: 03/05/2024
REQUEST NUMBER DESCRIPTION: UPDATED AS PER ECR		

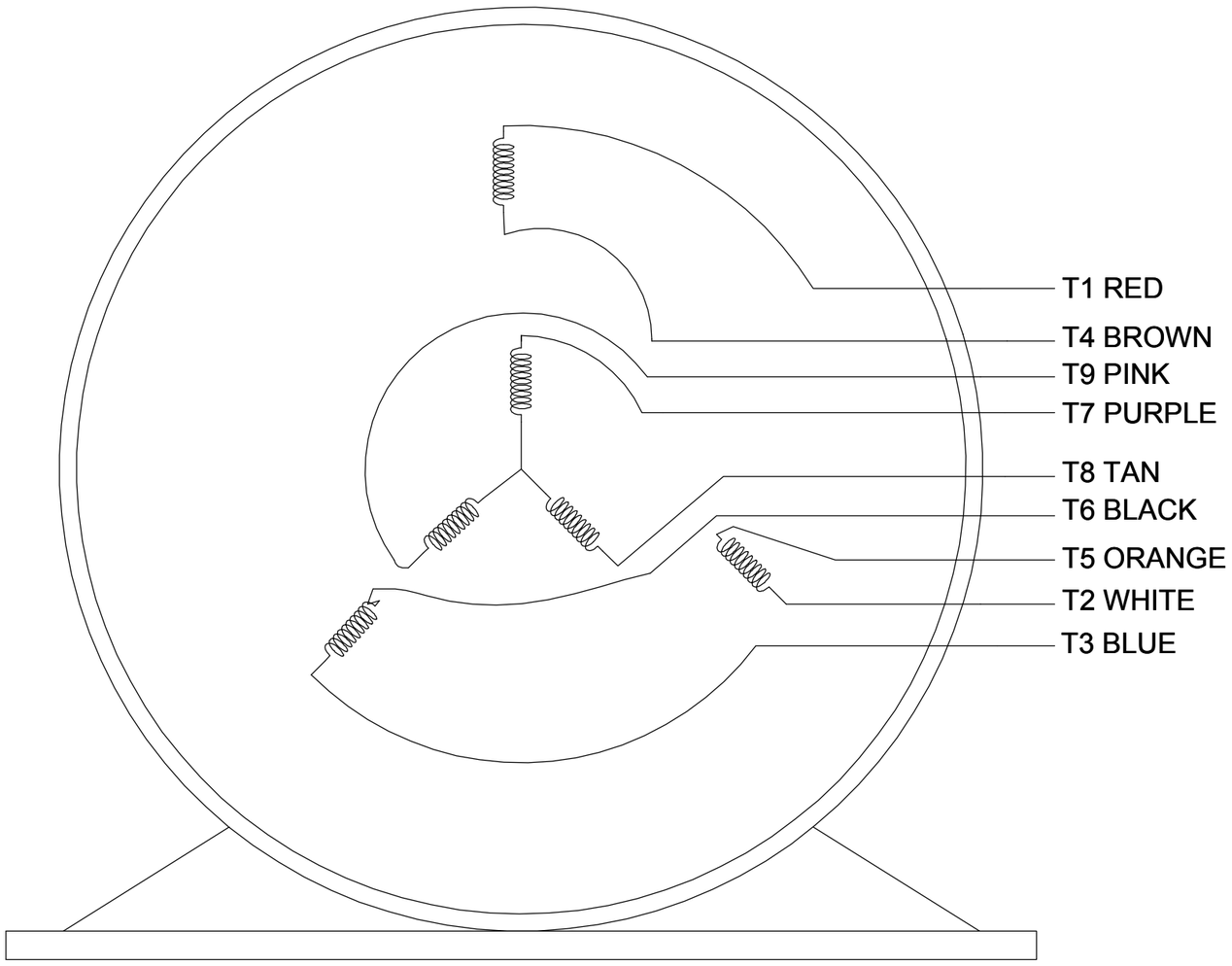
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.X	±0.1	[±3]	±0.5°
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.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45°
CORNER FILLETS: R.02 [.5]
MACHINED SURFACES: 125 INCH / 3.2 mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

DRAWN BY: PRASHANTH	Regal Rexnord — Regal Beloit America, Inc.
DATE: 06/20/2022	
APPROVED BY: PRADEEP	DESCRIPTION: OUTLINE
DATE: 06/20/2022	56-140FR,TEFC, BOLT-ON
REFERENCE	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: C — DRAWING NUMBER: OL56100822-001 — SHEET: 3 OF3



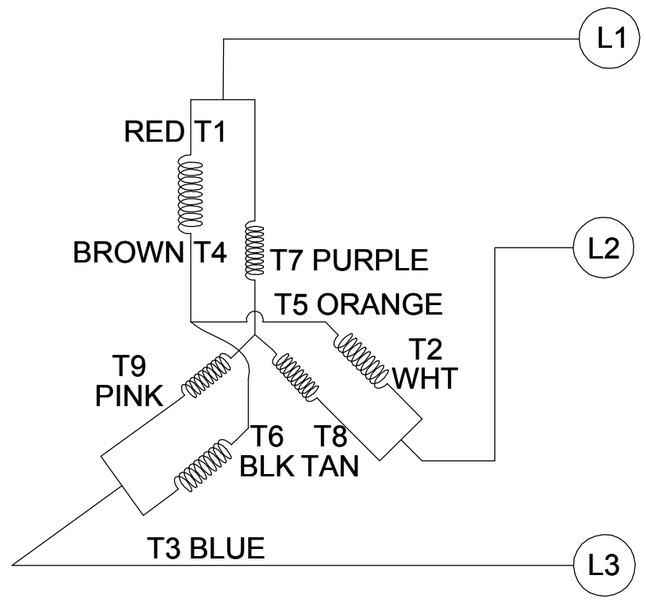
VIEW OF TERMINAL END

NOTE:

1. TO REVERSE ROTATION, INTERCHANGE ANY TWO LINE CONNECTIONS TO L1, L2, OR L3.
2. CONNECTION DIAGRAM-NAMEPLATE
   DD10123-001 - CCWLE
   DD10199-001 - CWLE

CCW LOW VOLTAGE

001



CCW HIGH VOLTAGE

002

DRAWING REVISION D	REVISION BY SHESHI	DATE 01/11/2019
ECO ECO-0159881	APPROVED BY CD	DATE 01/11/2019
ECO DESCRIPTION ADDED DD10199-001		

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
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.XX	±0.01	[±0.25]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP
EDGES: .003/.015 [.076/.381]
CORNER FILLETS: .02 [.51]
MACHINED SURFACES: 125 INCH / 3.2 mm
mm SHOWN IN [BRACKETS]

DRAWN BY G. RODRIGUEZ	Regal Beloit America, Inc.		
DATE 12-01-2017			
APPROVED BY J. A. MORENO	DESCRIPTION CONN DIAGRAM-EXTERNAL		
DATE 12-01-2017			
REFERENCE CDTD103	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER CDTD127	SHEET 1 OF 1

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 056T17F15953

(Model No. may contain prefix and/or suffix characters)

Catalog No : FX02BK004

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)
EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:

Julian Clark
Marketing Engineer

Created on 03/31/2023

CE 23