PRODUCT INFORMATION PACKET

Model No: 145TTFR16450
Catalog No: FX02BK008
FLEX-IN-1™ General Purpose Motor, 2 & 2 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM, 145TC Frame, TEFC



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Nameplate Specifications

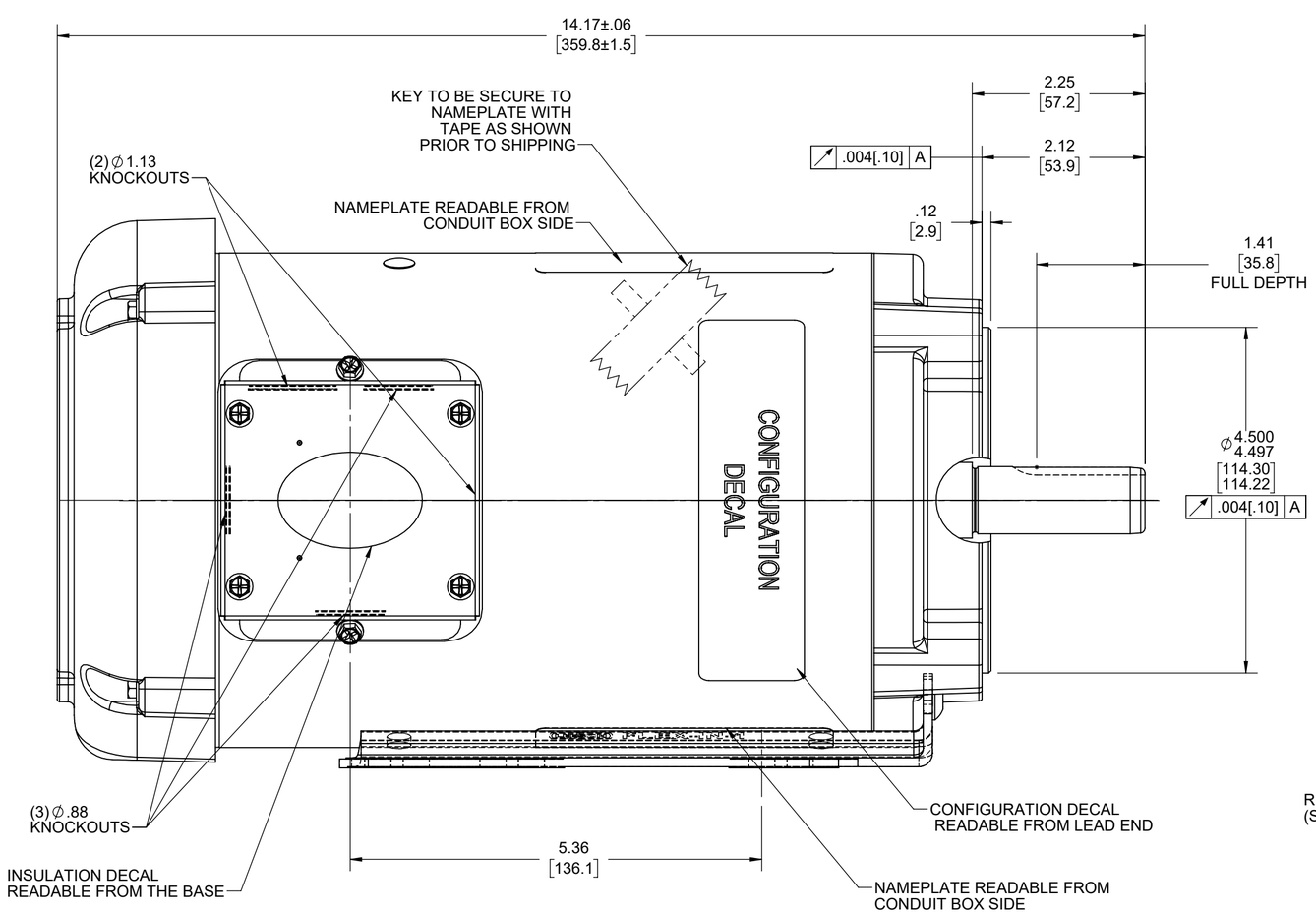
Phase	3	Output HP	2 & 2 Hp
Output KW	1.5 & 1.5 kW	Voltage	208-230/460 & 190/380 V
Speed	1760 & 1445 rpm	Service Factor	1.15 & 1.00
Frame	145TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Efficiency	86.5 & 85.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	6.2-6/3 & 6.8/3.4 A	Power Factor	71
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	N
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

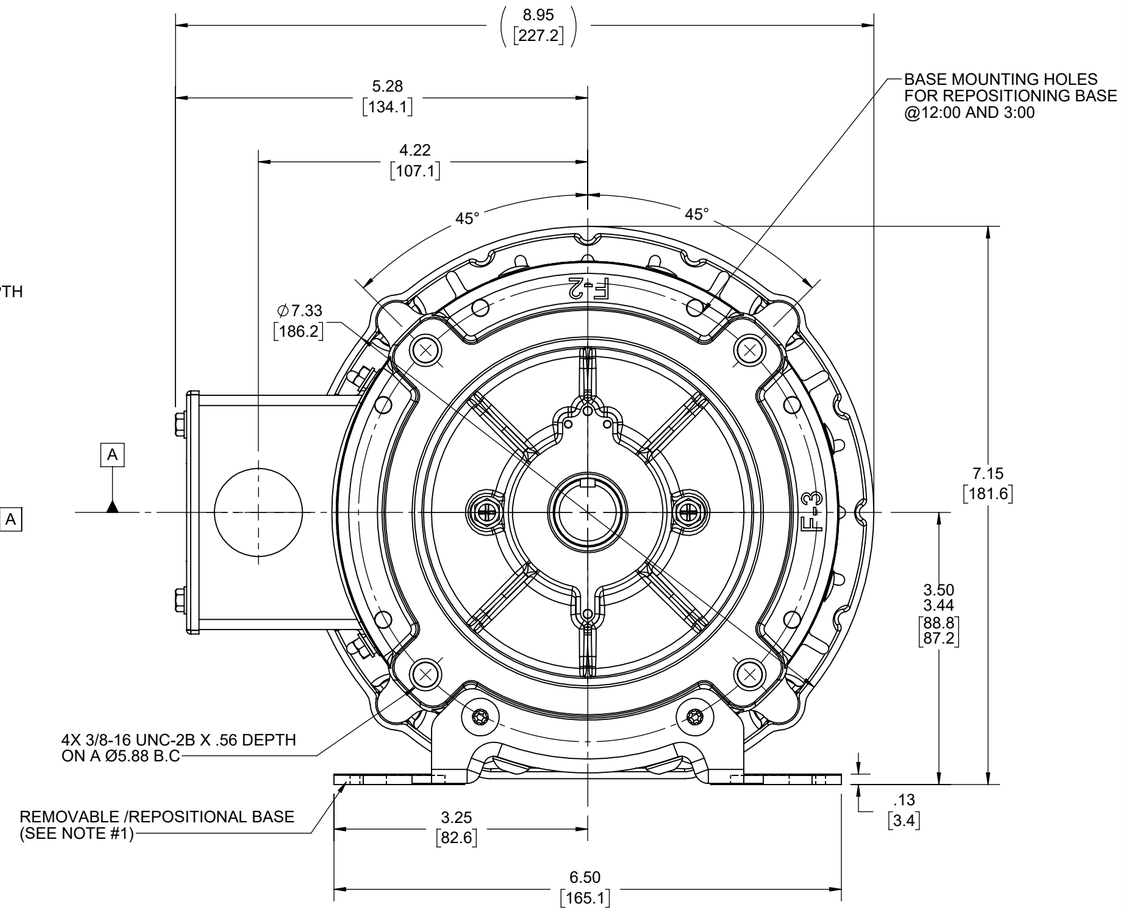
Technical Specifications

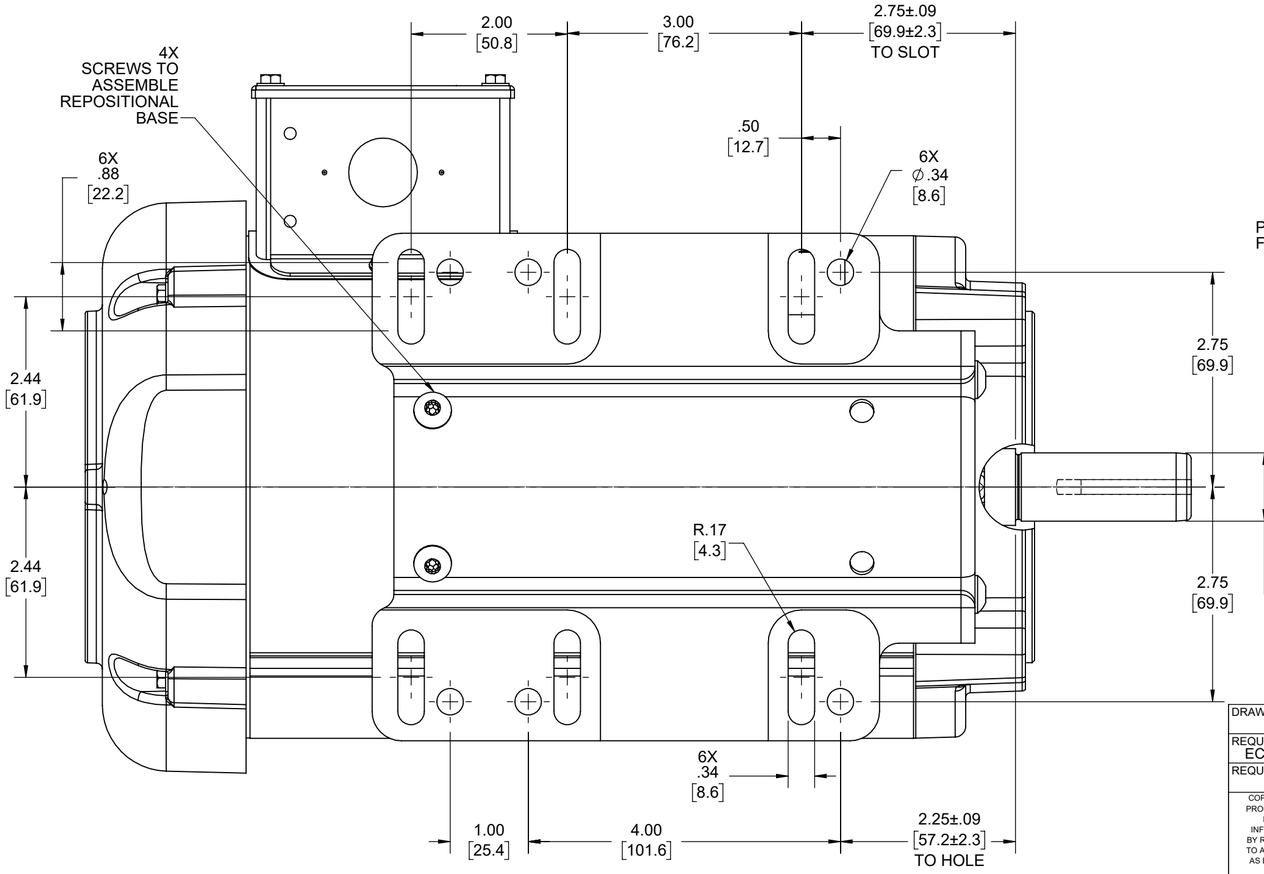
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	6.58 Ohms	Mounting	Bolt-on Base
Motor Orientation	Horizontal Or Up Or Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Assembly/Box Mounting	F1 ¿ F2/F3 CAPABLE
Inverter Load	CONSTANT 10:1		
Connection Drawing	CDTD113	Outline Drawing	OL56100920-001

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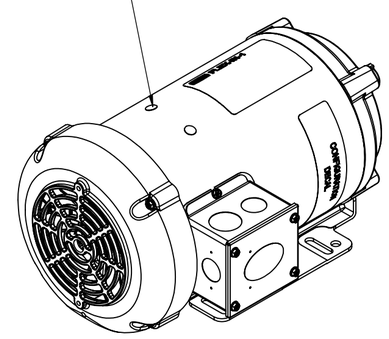


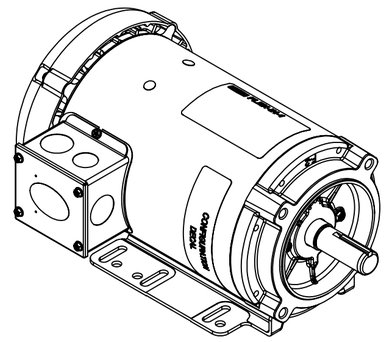




NOTES:
1)REPOSITIONAL BASE CAN BE REMOVED FOR C-FACE MOUNTING OR REPOSITIONED TO 12:00 OR 3:00 FACING SHAFT END OF MOTOR FOR NEMA F-2 OR F-3 CONDUIT BOX LOCATION.

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



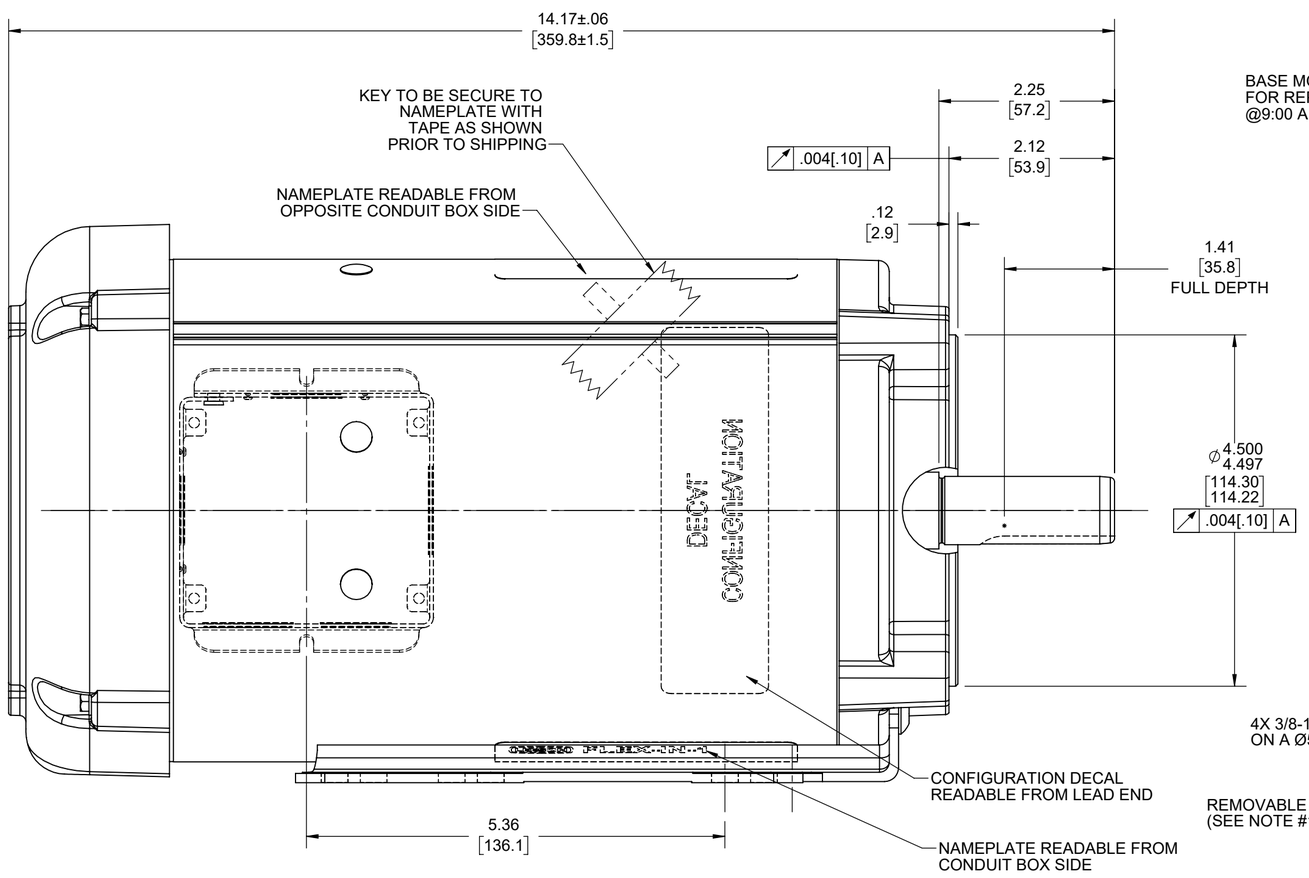


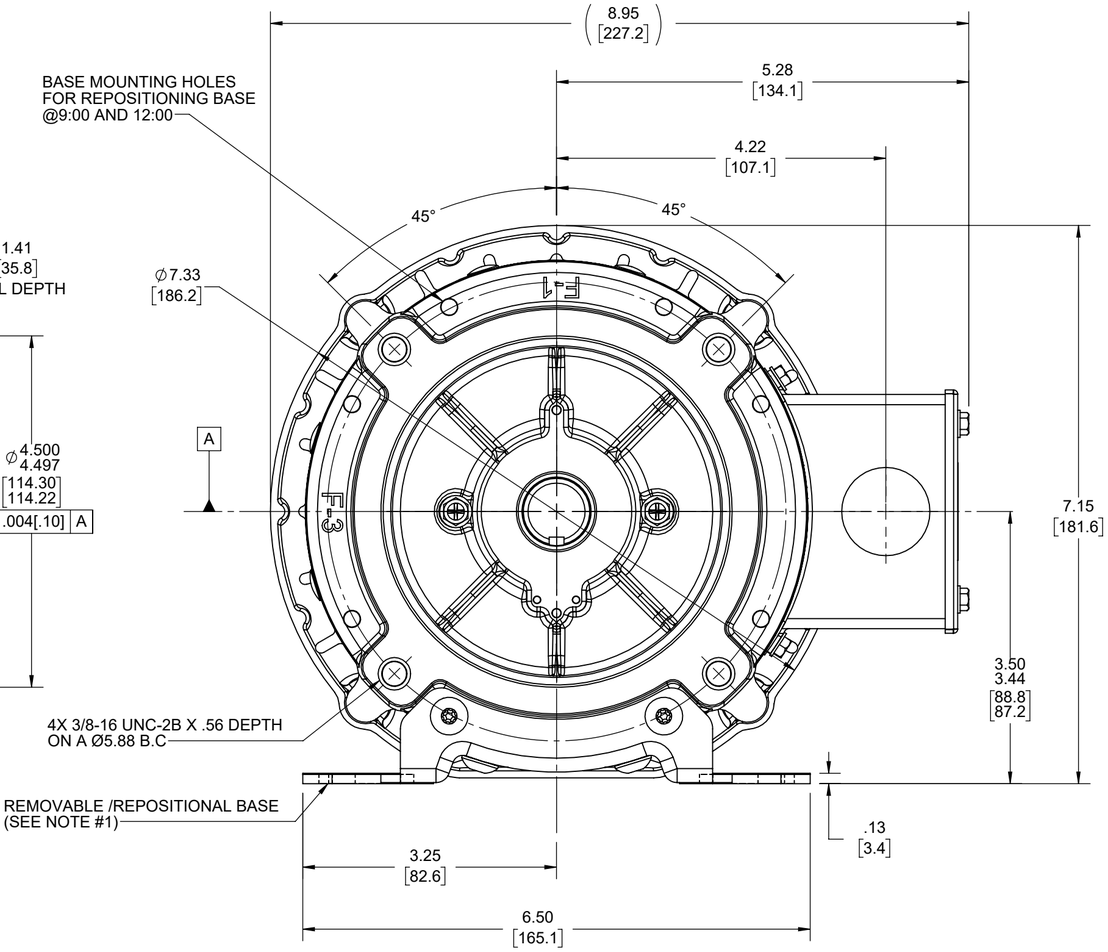
DRAWING REVISION B	REVISION BY M.P	REV DATE/© DATE 03/05/2024	TOLERANCES (EXCEPT AS NOTED):			DRAWN BY PS	Regal Rexnord — Regal Beloit America, Inc.
REQUEST NUMBER ECR-0231732	APPROVED BY P.V.R	DATE 03/05/2024	DEC.	INCH	mm / ANGLE	DATE 08/28/2023	
REQUEST NUMBER DESCRIPTION: UPDATED AS PER ECR			.X	±0.1	[±3] ±0.5°	APPROVED BY PVR	DESCRIPTION: OUTLINE 56-140FR,TEFC, C-FACE, BOLT-ON
			.XX	±0.02	[±0.5]	DATE 08/28/2023	
			.XXX	±0.005	[±0.13]	REFERENCE OL56100874	MATERIAL / PROCESS/FINISH
			.XXXX	±0.0005	[±0.013]	THIRD ANGLE PROJECTION	SIZE C — DRAWING NUMBER OL56100920-001 — SHEET 1 OF3

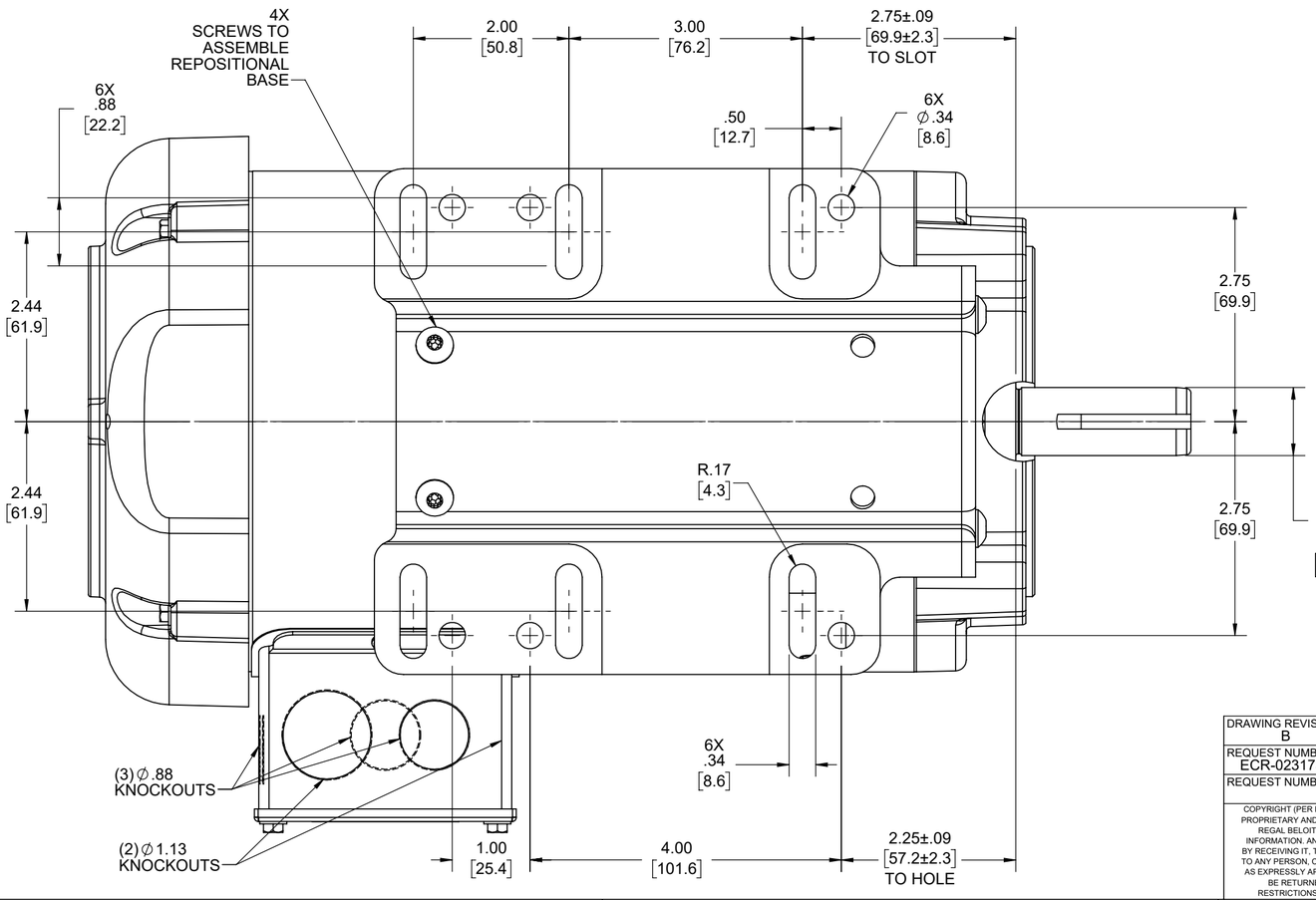
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45°
CORNER FILLETS: R.02 [.5]
MACHINED SURFACES: 125 / 3.2 INCH / mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

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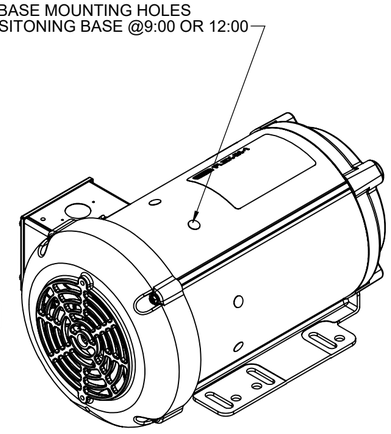
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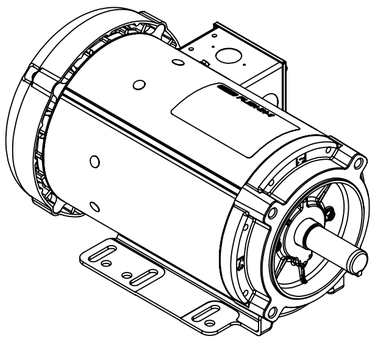






NOTES:
1)REPOSITIONAL BASE CAN BE REMOVED FOR C-FACE MOUNTING OR REPOSITIONED TO 12:00 OR 9:00 FACING SHAFT END OF MOTOR FOR NEMA F-1 OR F-3 CONDUIT BOX LOCATION.

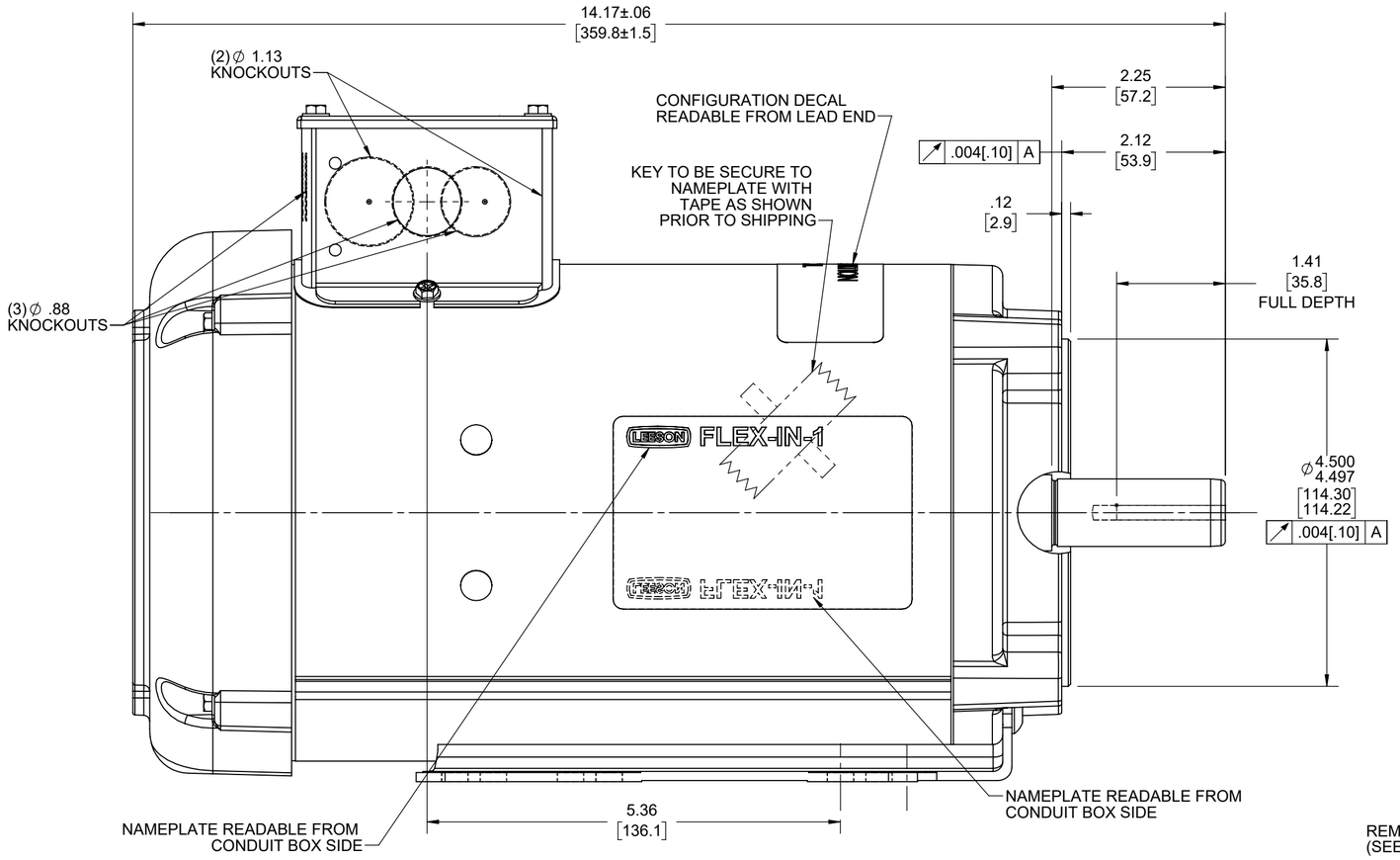


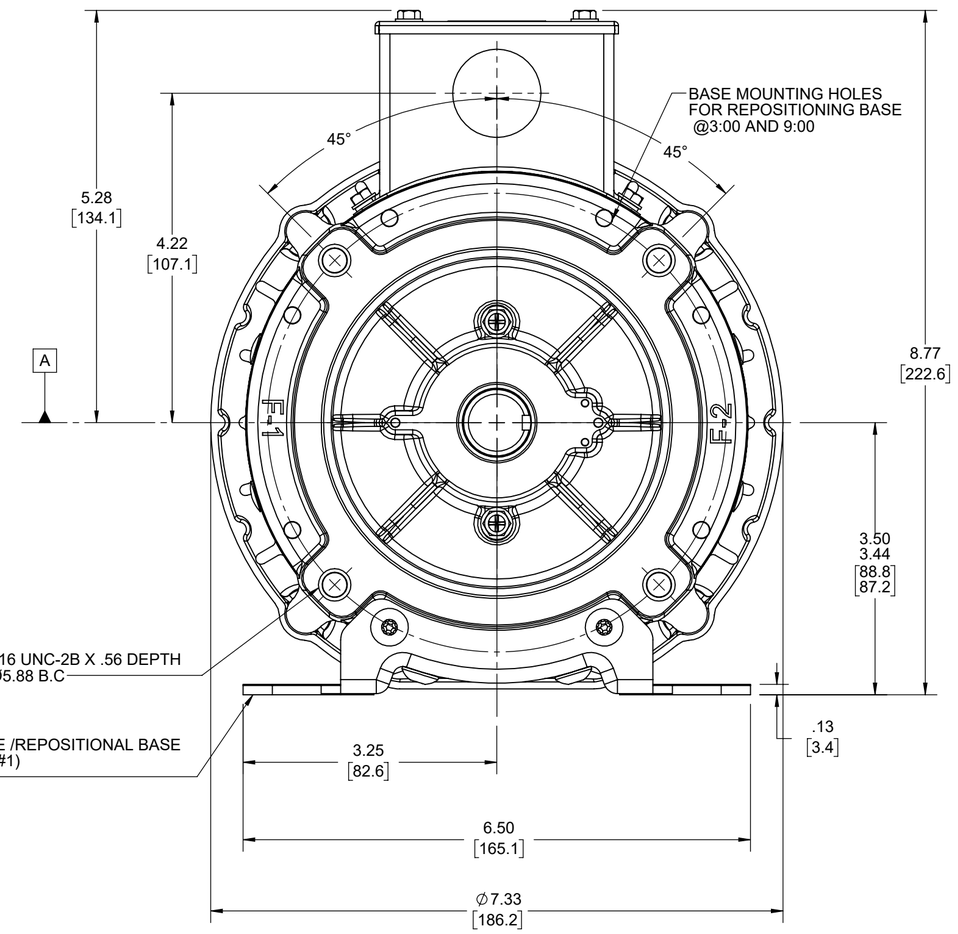


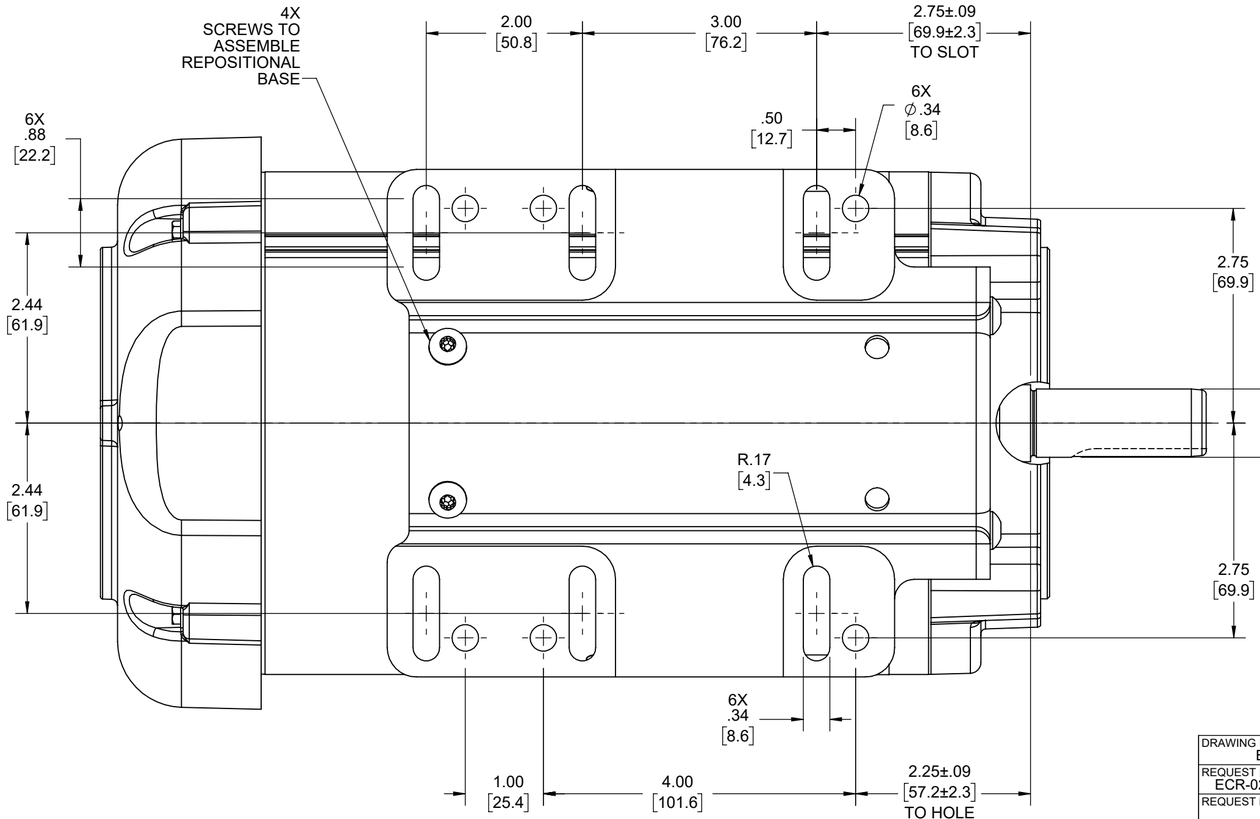
DRAWING REVISION: B	REVISION BY: M.P	REV DATE/© DATE: 03/05/2024	TOLERANCES (EXCEPT AS NOTED):	DRAWN BY: PS	Regal Rexnord — Regal Beloit America, Inc.
REQUEST NUMBER: ECR-0231732	APPROVED BY: P.V.R	DATE: 03/05/2024	DEC. INCH mm ANGLE .X ±0.1 [±3] ±0.5° .XX ±0.02 [±0.5] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013]	DATE: 08/28/2023	DESCRIPTION: OUTLINE 56-140FR,TEFC, C-FACE, BOLT-ON
REQUEST NUMBER DESCRIPTION: UPDATED AS PER ECR			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 125 INCH / 3.2 mm	APPROVED BY: PVR	
			mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DATE: 08/28/2023	
				REFERENCE: OL56100874	MATERIAL / PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE: C — DRAWING NUMBER: OL56100920-001 — SHEET: 2 OF3

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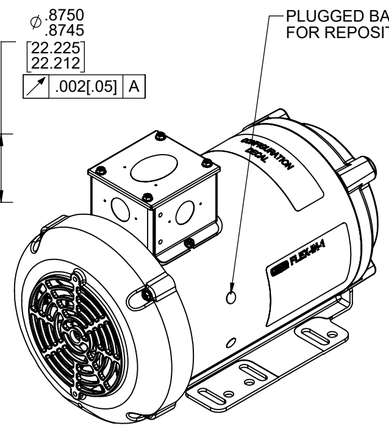
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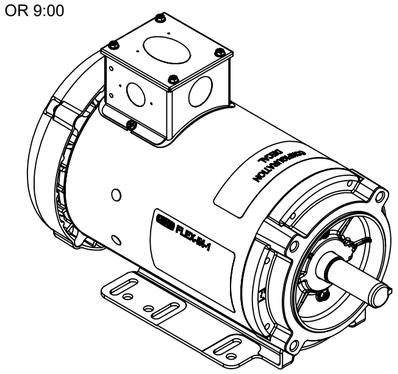






NOTES:
1)REPOSITIONAL BASE CAN BE REMOVED FOR
C-FACE MOUNTING OR REPOSITIONED TO 3:00 OR 9:00 FACING SHAFT
END OF MOTOR FOR NEMA F-1 OR F-2 CONDUIT BOX LOCATION





DRAWING REVISION: B	REVISION BY: M.P	REV DATE/© DATE: 03/05/2024	DRAWN BY: PS	Regal Rexnord	Regal Beloit America, Inc.
REQUEST NUMBER: ECR-0231732	APPROVED BY: P.V.R	DATE: 03/05/2024	DATE: 08/28/2023		
REQUEST NUMBER DESCRIPTION: UPDATED AS PER ECR			APPROVED BY: PVR	DESCRIPTION: OUTLINE 56-140FR,TEFC, C-FACE, BOLT-ON	
			DATE: 08/28/2023		
			REFERENCE: OL56100874	MATERIAL	PROCESS/FINISH
			THIRD ANGLE PROJECTION	SIZE: C	DRAWING NUMBER: OL56100920-001 SHEET: 3 OF3

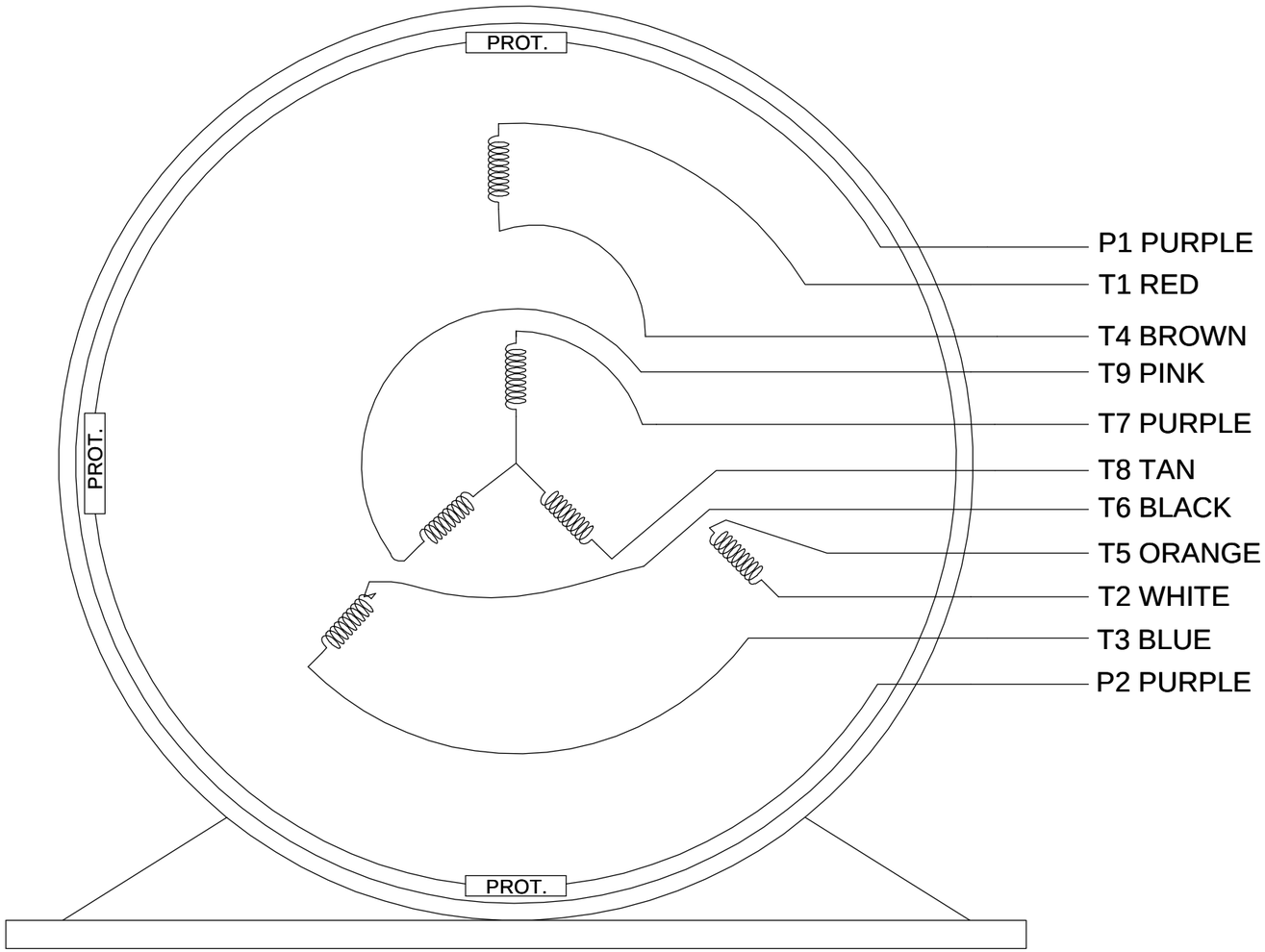
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TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±0.5°
.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

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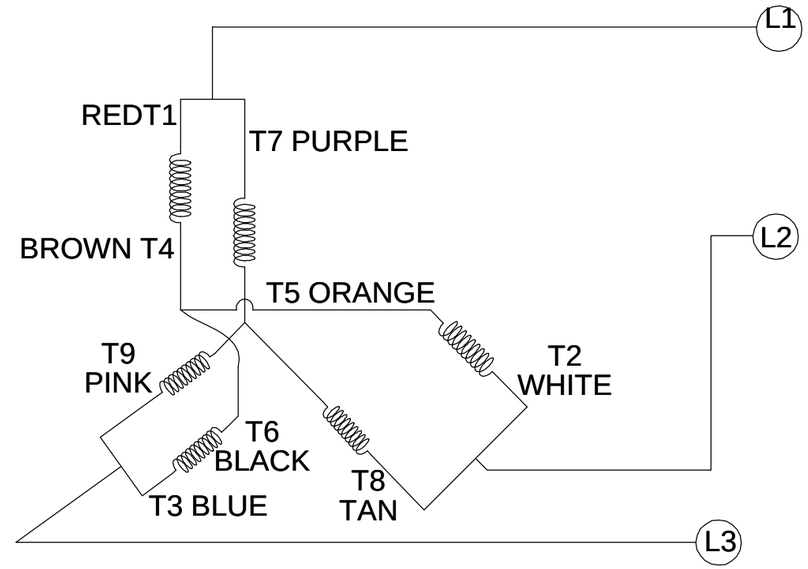
VIEW OF TERMINAL END

NOTES:

1. TO REVERSE ROTATION, INTERCHANGE ANY TWO LINE CONNECTIONS TO L1, L2, OR L3.
2. CONNECTION DIAGRAM-NAMEPLATE DD10042-002.

CCW LOW VOLTAGE

001



CCW HIGH VOLTAGE

002

DRAWING REVISION: D	REVISION BY: KHADHAR	DATE: 12/05/2018
ECO: ECO-0157853	APPROVED BY: CD	DATE: 12/05/2018
ECO DESCRIPTION: UPDATED CONNECTION DIAGRAM NAMEPLATE NUM.		

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.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: 25-01-2016	
APPROVED BY: E.VILLA	DESCRIPTION: CONN DIAGRAM-EXTERNAL
DATE: 25-01-2016	
REFERENCE: EE7308T	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: CDTD113 / SHEET: 1 OF 1

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
1946 West Cook Road
Fort Wayne, IN 46818

and the authorized representative
established within the Community:

Regal Beloit Italy
Via Modena, 18
24040 Ciserano(BG) - Italy

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 : 145TTFR16450

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

Catalog No : FX02BK008

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:

Zach Stauffer
Vice President, Engineering

Authorized Representative in the Community:

Stefano Casiraghi
Technology Director, Engineering

Created on 07/08/2025

CE 25