PRODUCT INFORMATION PACKET

Model No: 056T17F15946
Catalog No: FX32FK003
FLEX-IN-1™ General Purpose Motor, 1.50 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 56HC Frame, TEFC



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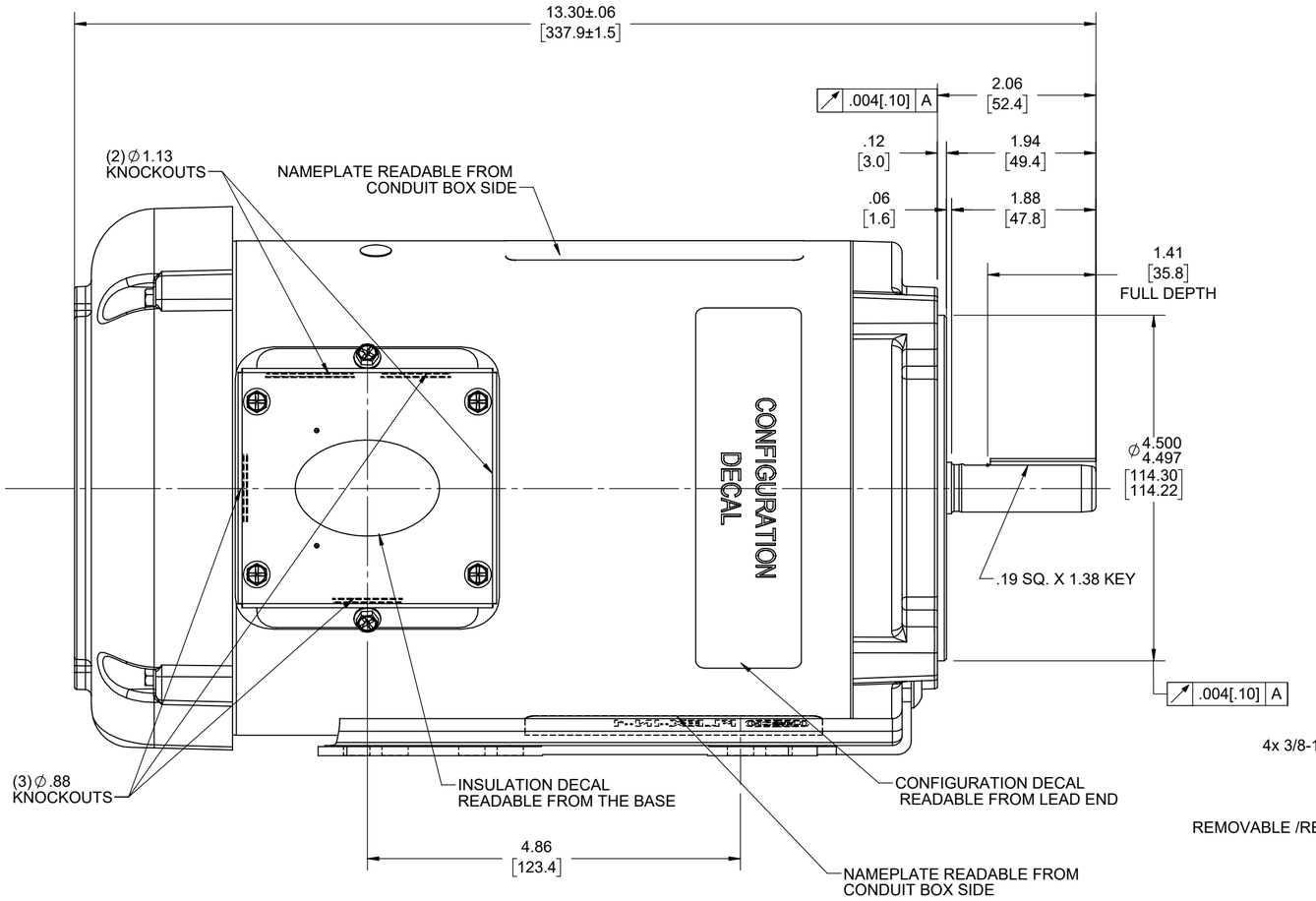
Nameplate Specifications

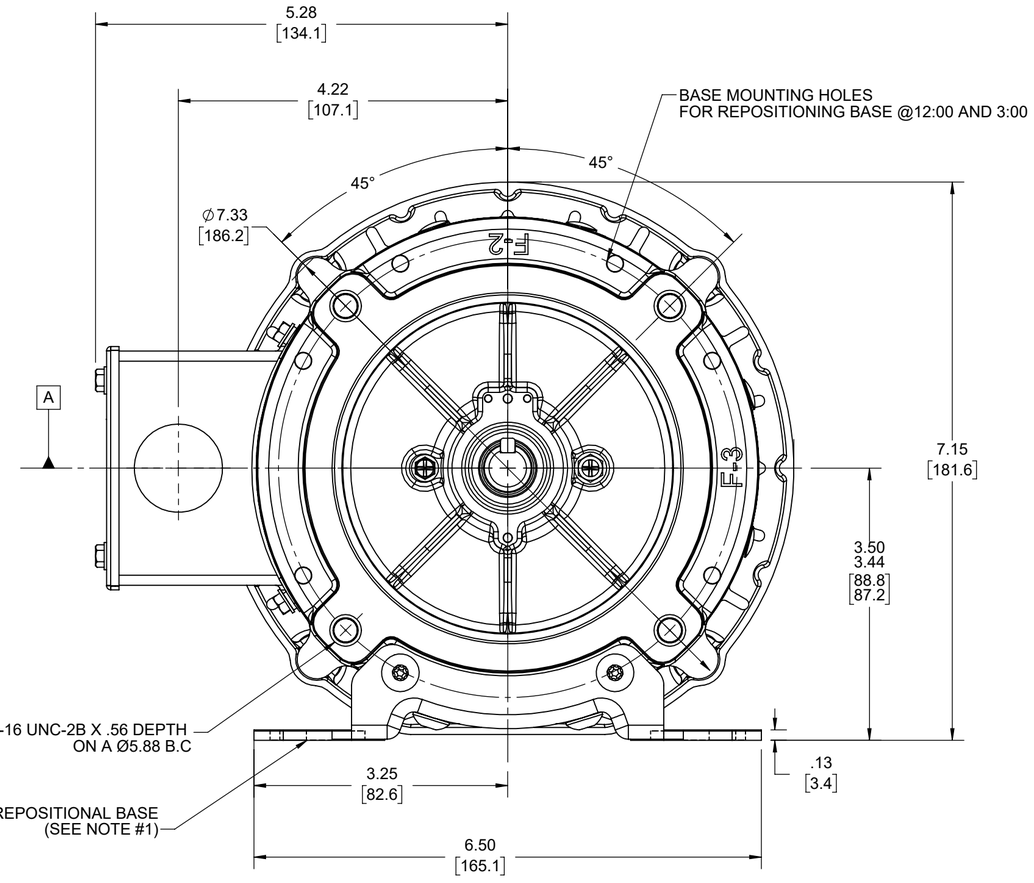
Phase	3	Output HP	1.50 Hp
Output KW	1.1 kW	Voltage	575 V
Speed	1725 rpm	Service Factor	1.15
Frame	56HC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	86.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	1.9 A	Power Factor	71
Duty	Continuous	Insulation Class	F
Design Code	A	KVA Code	P
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

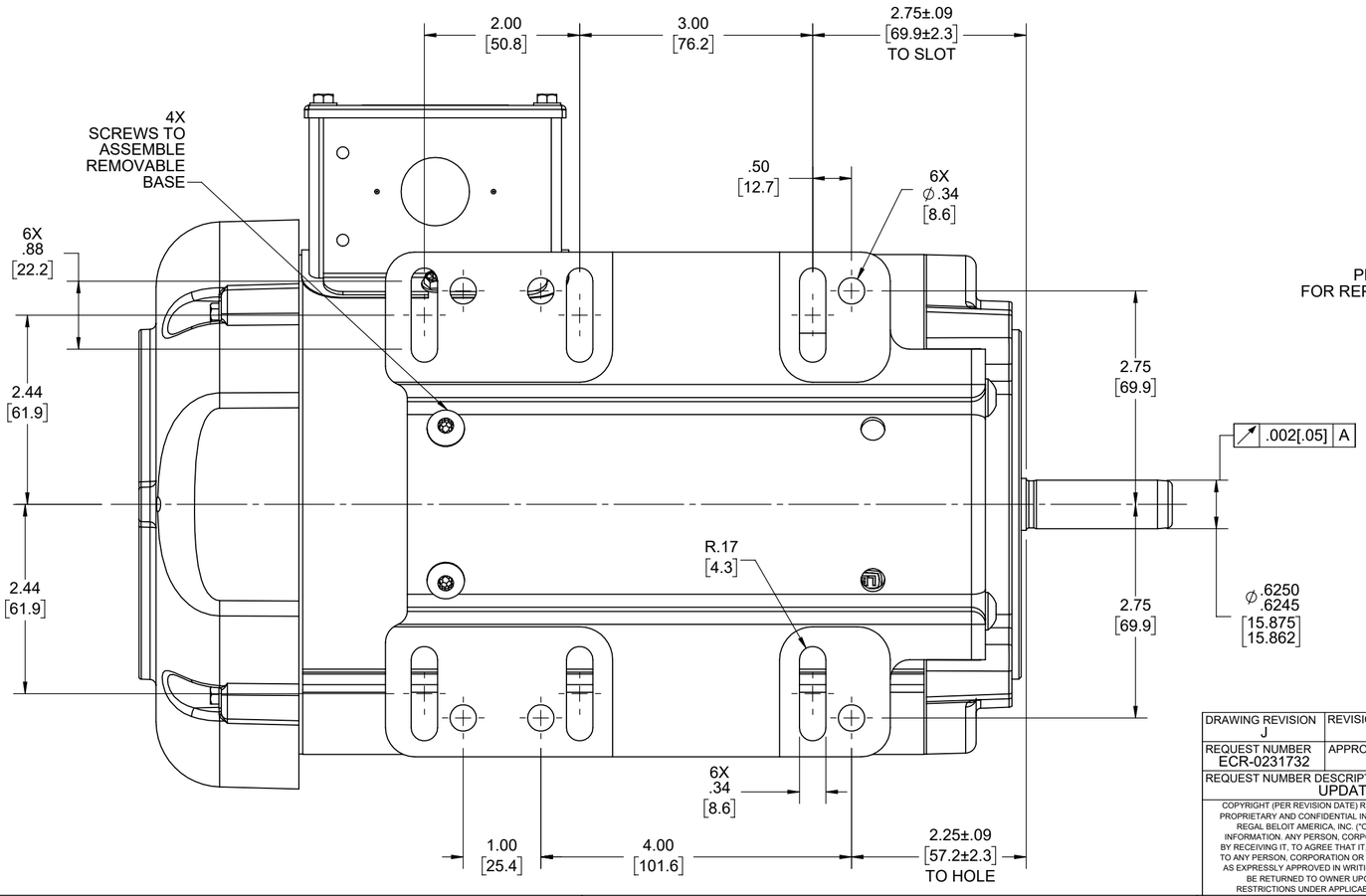
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	7.9 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	NEMA 56	Shaft Diameter	0.625 in
Assembly/Box Mounting	F1 F2/F3 CAPABLE	Inverter Load	CONSTANT 10:1
Connection Drawing	CDTS141	Outline Drawing	OL56100829-001

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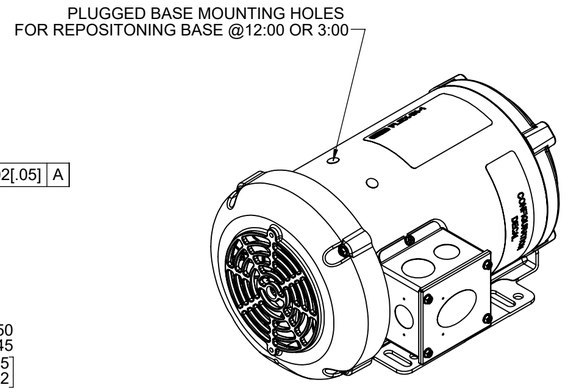


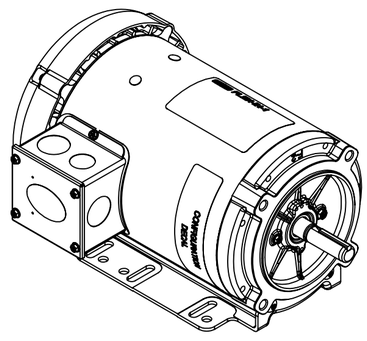




NOTES:

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		

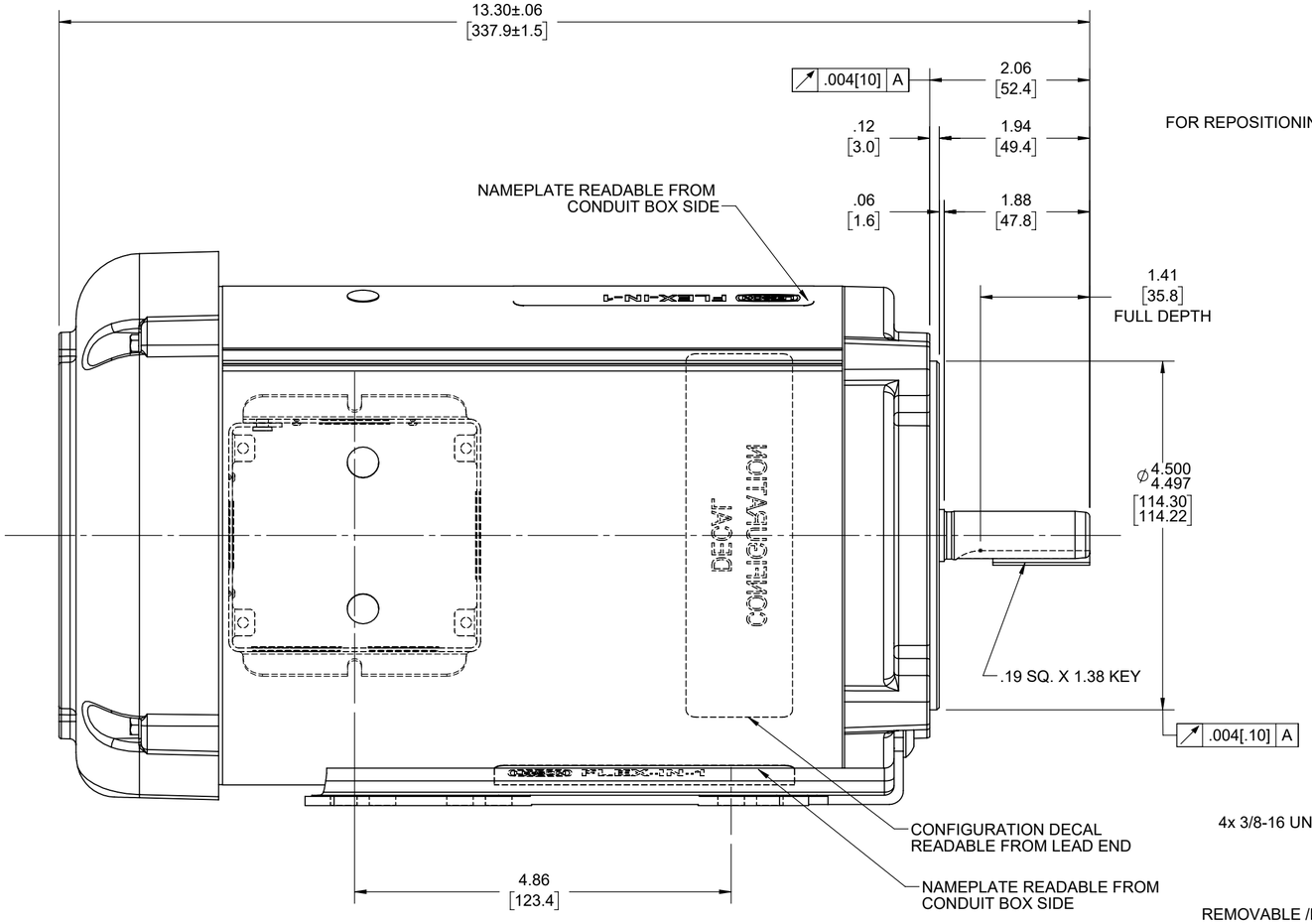
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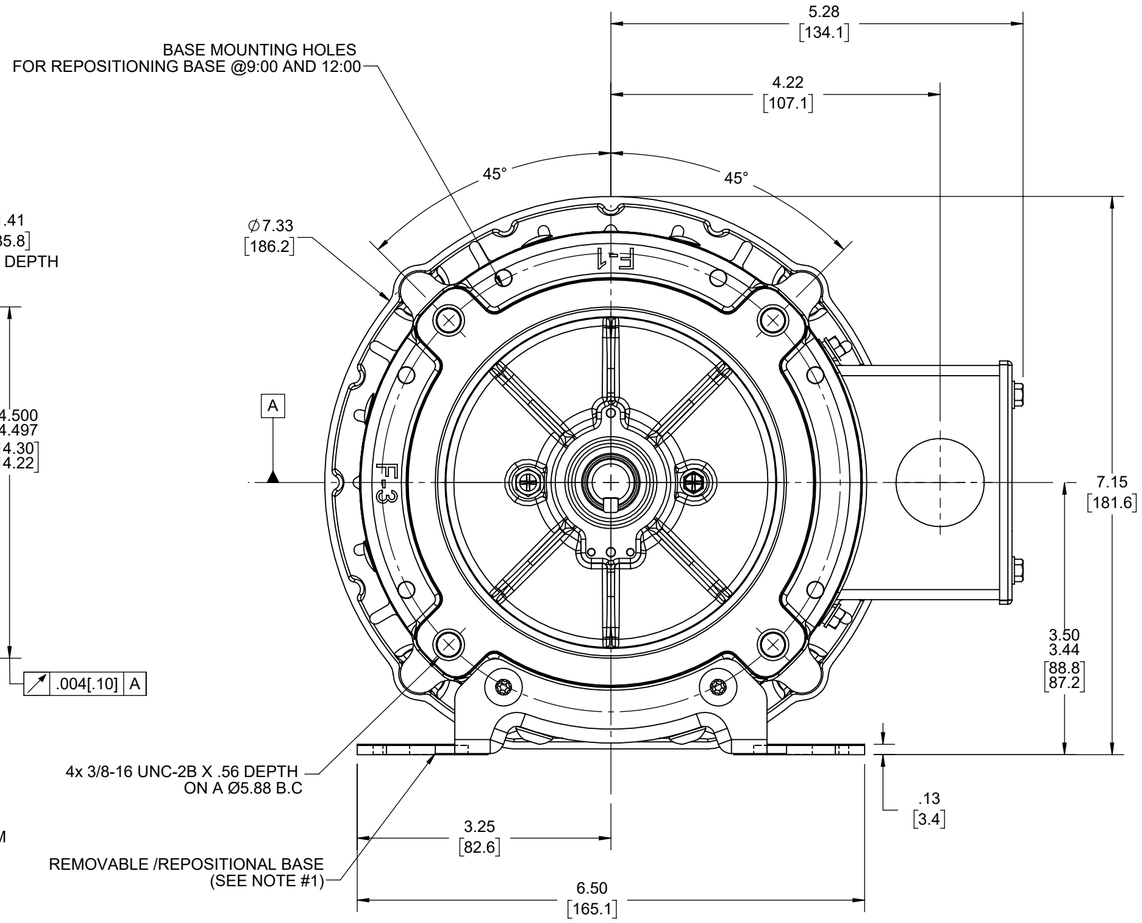
TOLERANCES (EXCEPT AS NOTED):

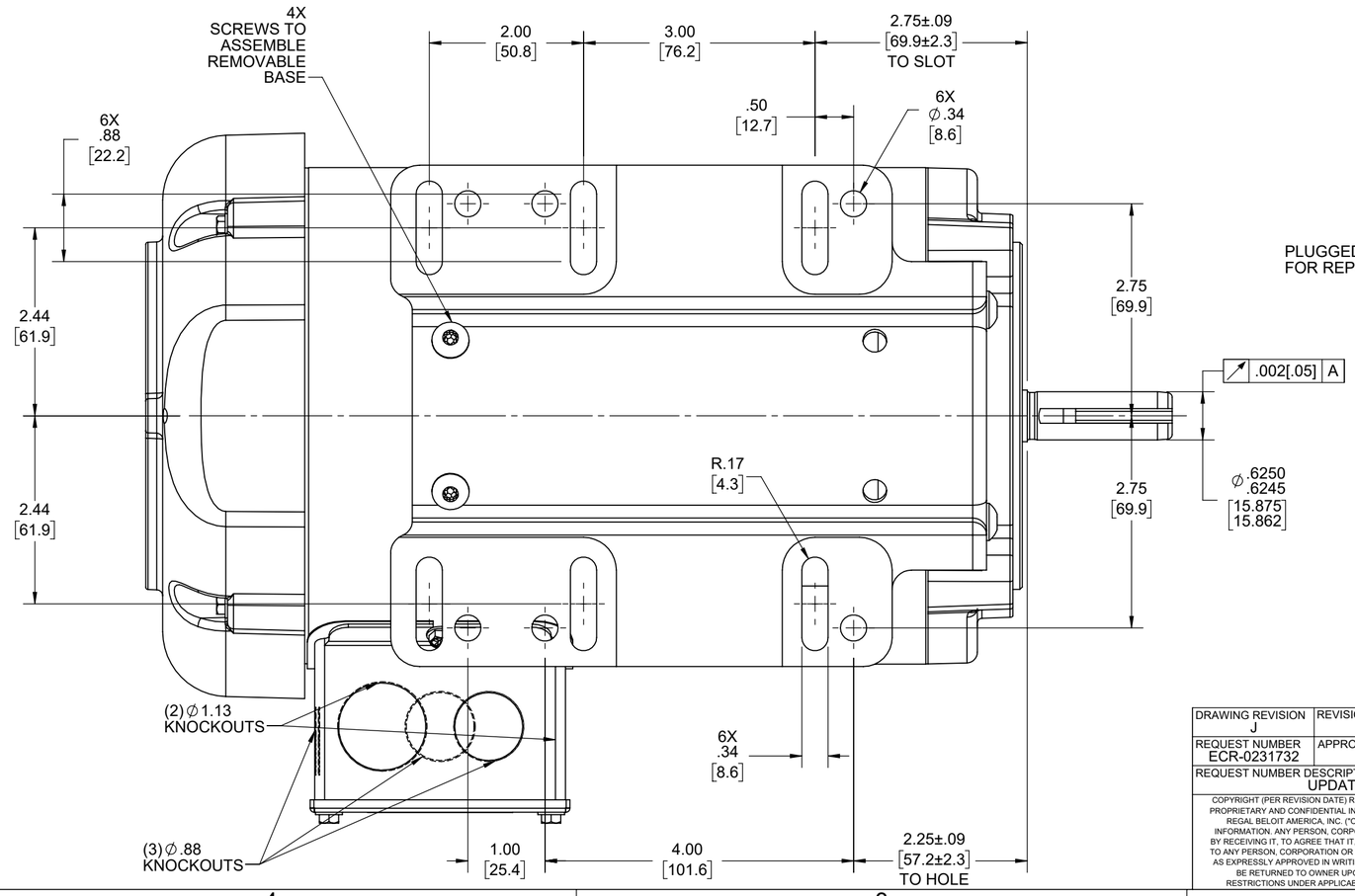
DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±0.5°
.XX	±0.02	[±0.5]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

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

DRAWN BY: PRASHANTH	Regal Rexnord — Regal Beloit America, Inc.
DATE: 06/23/2022	
APPROVED BY: SN	DESCRIPTION: OUTLINE
DATE: 06/23/2022	56-140FR,TEFC, BOLT-ON
REFERENCE	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: C — DRAWING NUMBER: OL56100829-001 — SHEET: 1 OF3

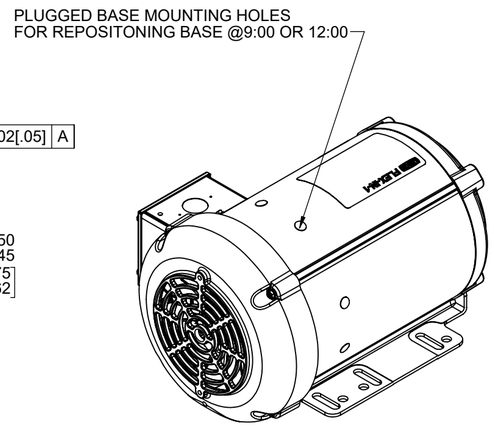


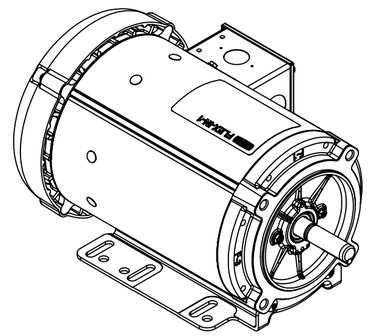




NOTES:

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			

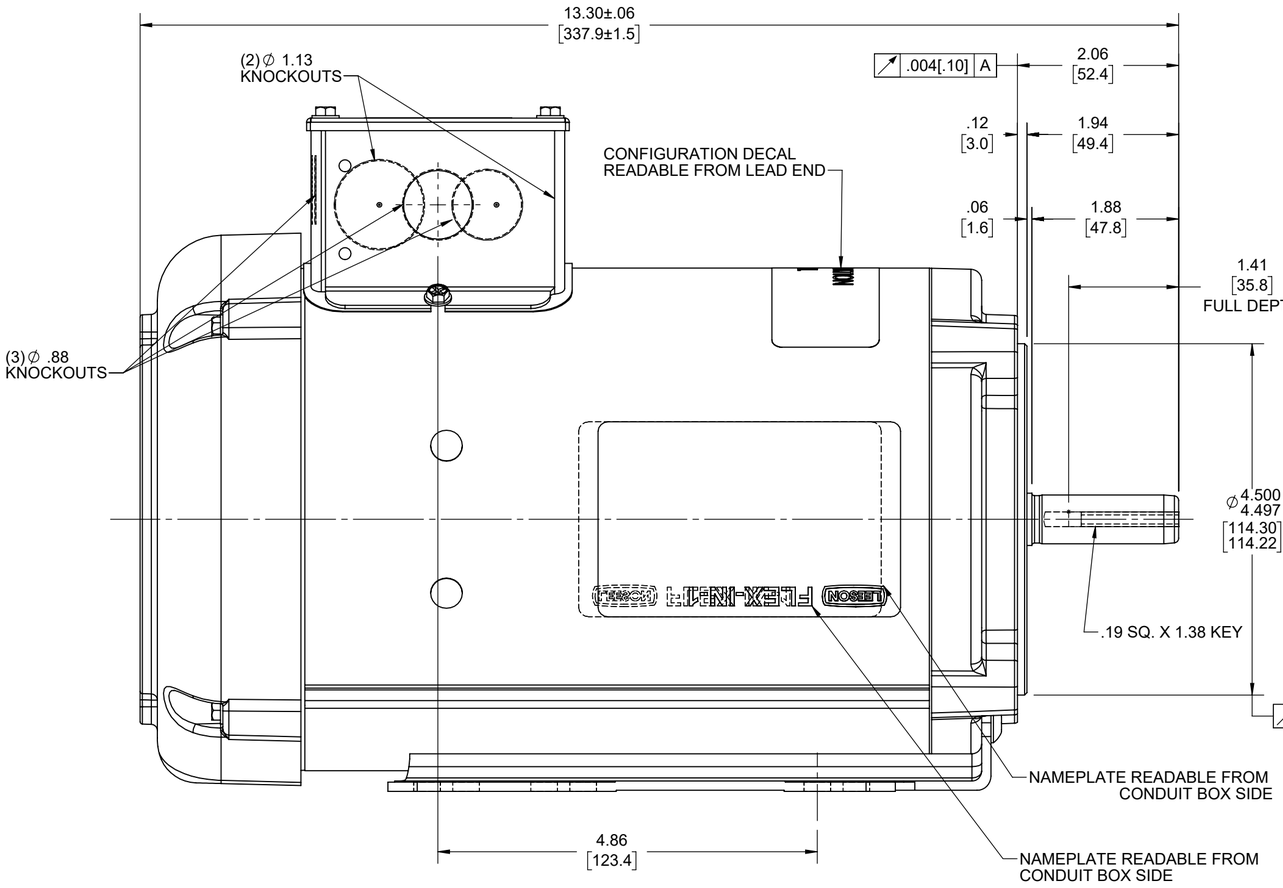
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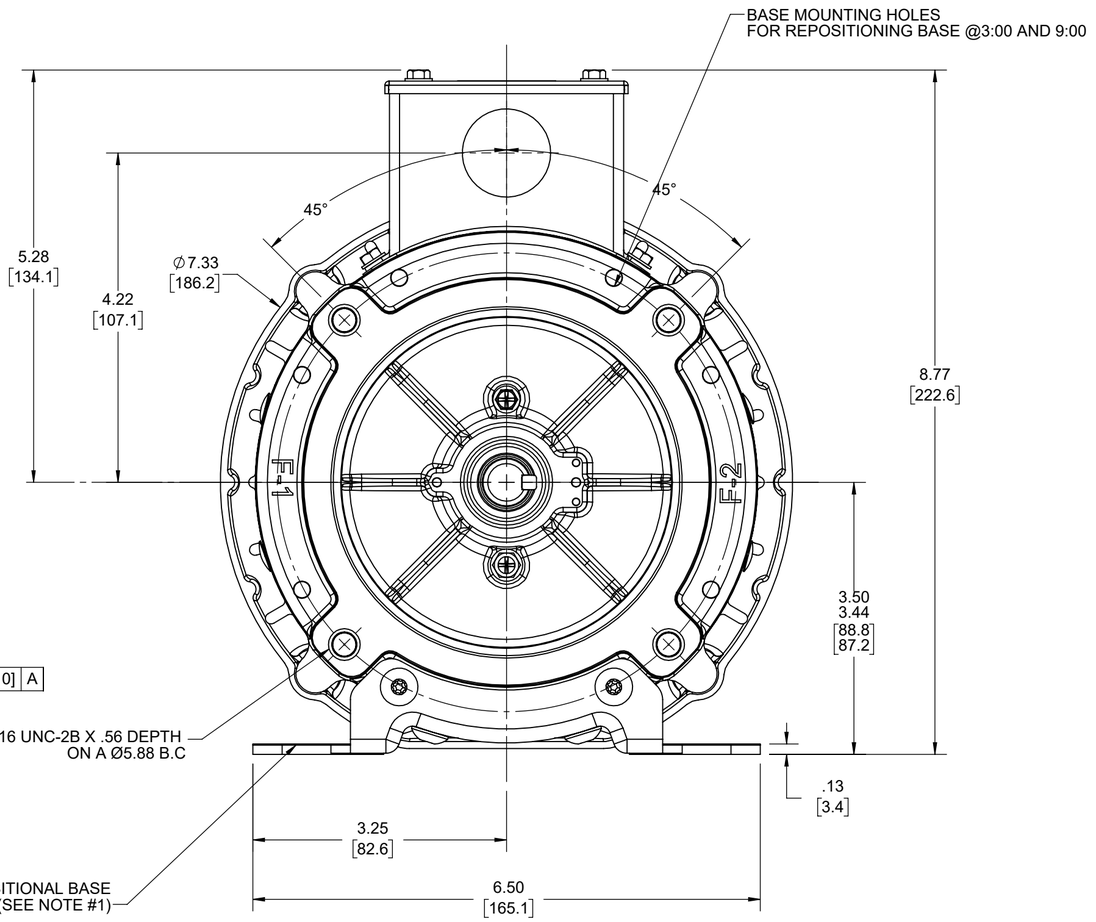
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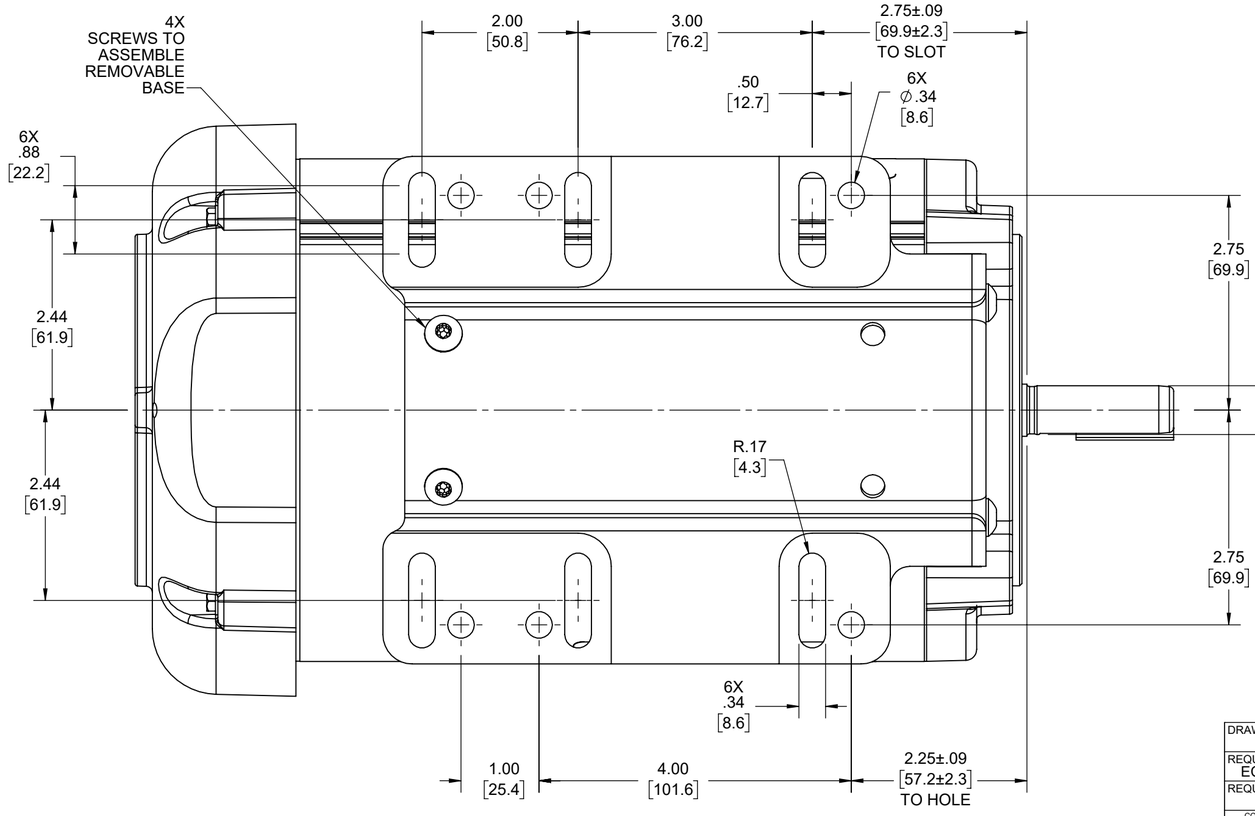
DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±0.5°
.XX	±0.02	[±0.5]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

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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: 06/23/2022			
APPROVED BY: SN	DESCRIPTION: OUTLINE 56-140FR,TEFC, BOLT-ON		
DATE: 06/23/2022			
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE: C	DRAWING NUMBER: OL56100829-001	SHEET: 2 OF3

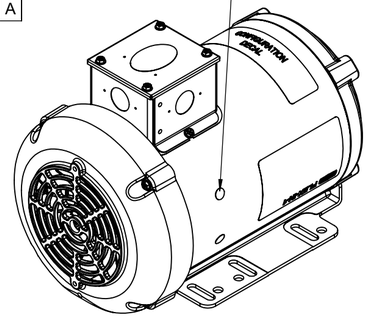


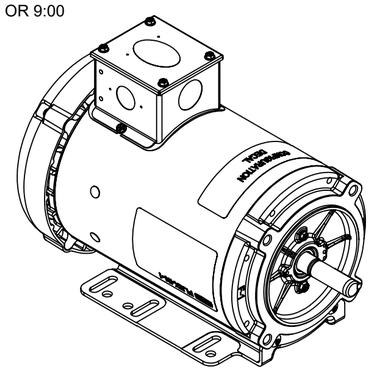




NOTES:

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.





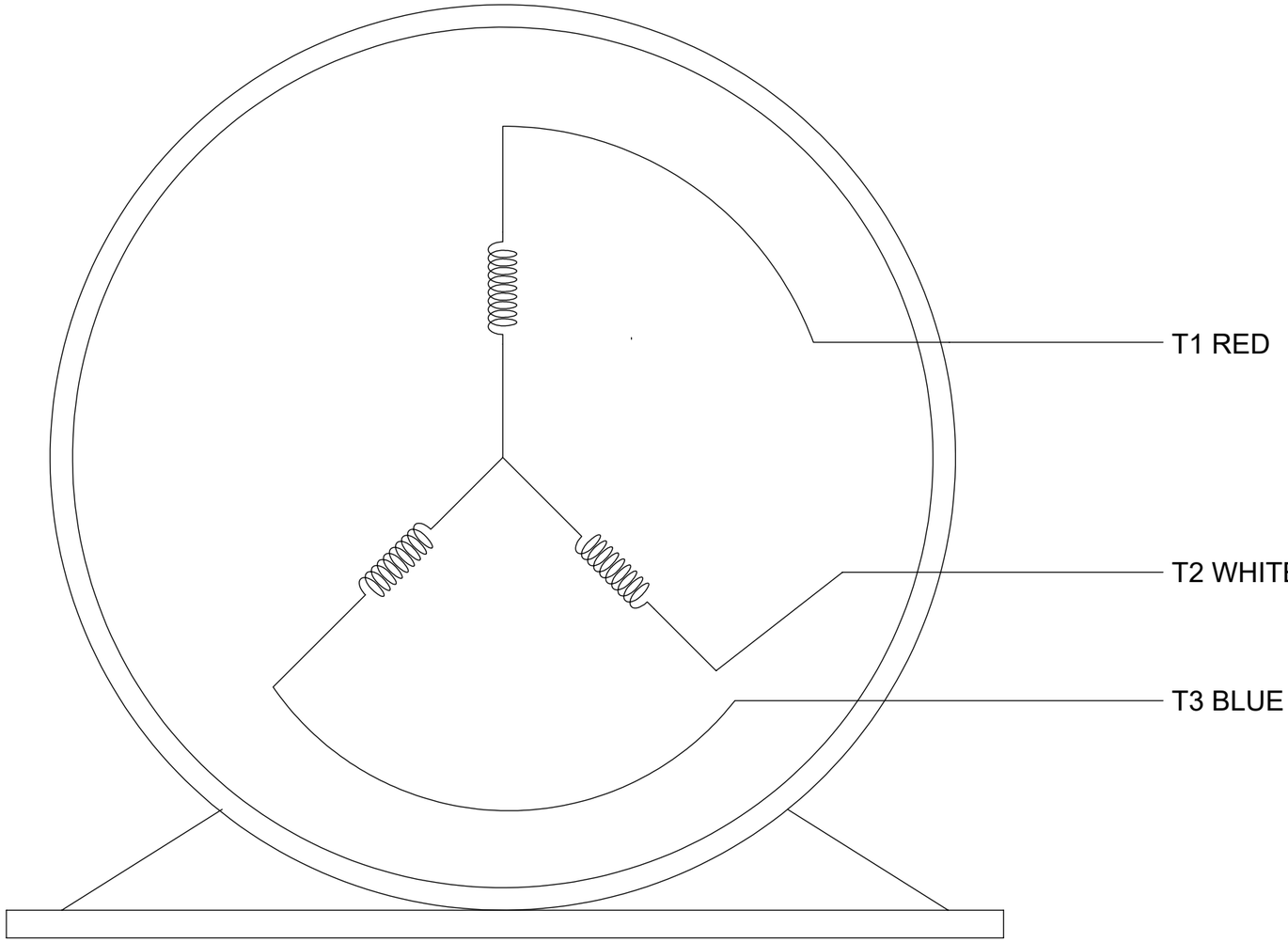
DRAWING REVISION J	REVISION BY M.P	REV DATE/© DATE 03/05/2024	TOLERANCES (EXCEPT AS NOTED):	DRAWN BY PRASHANTH	Regal Rexnord — Regal Beloit America, Inc.
REQUEST NUMBER ECR-0231732	APPROVED BY P.V.R	DATE 03/05/2024	DEC. INCH mm ANGLE .X ±0.1 [±3] ±0.5° .XX ±0.02 [±0.5] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013]	DATE 06/23/2022	DESCRIPTION: OUTLINE 56-140FR,TEFC, BOLT-ON
REQUEST NUMBER DESCRIPTION: UPDATED AS PER ECR			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45°	APPROVED BY SN	
			CORNER FILLETS: R.02 [.5]	DATE 06/23/2022	
			MACHINED SURFACES: 125 INCH / 3.2 mm	REFERENCE	MATERIAL / PROCESS/FINISH
			mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	THIRD ANGLE PROJECTION	SIZE C — DRAWING NUMBER OL56100829-001 — SHEET 3 OF3

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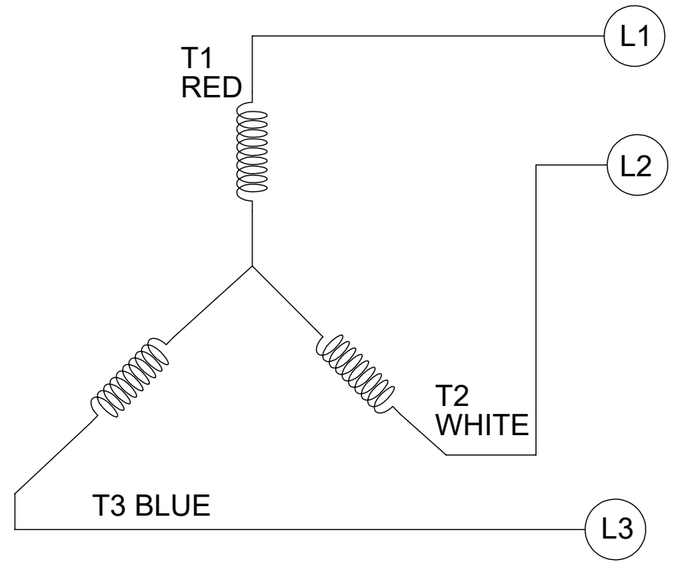
001

SINGLE VOLTAGE-THREE PHASE WITHOUT PROTECTOR



VIEW OF TERMINAL END

CCW-SINGLE VOLTAGE



NOTES:

1. TO REVERSE ROTATION, INTERCHANGE ANY TWO LINE CONNECTIONS TO L1, L2, OR L3.
2. CONNECTION DIAGRAM-NAMEPLATE DD10213-001

DRAWING REVISION	REVISION BY	REV DATE/© DATE
B	PRASHANTH	06/22/2022
REQUEST NUMBER	APPROVED BY	DATE
NMR-0213855	BHARGAVI	06/22/2022

REQUEST NUMBER DESCRIPTION
CHANGED NOTES FROM LOW TO SINGLE VOLTAGE

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TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±0.5°
.XX	±0.01	[±0.3]	
.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	SHESHI
DATE	03/07/2019
APPROVED BY	BHARGAVI
DATE	03/07/2019
REFERENCE	CDTS139

Regal Rexnord — Regal Beloit America, Inc.

DESCRIPTION: CONN DIAGRAM-EXTERNAL

MATERIAL | PROCESS/FINISH

THIRD ANGLE PROJECTION

SIZE	DRAWING NUMBER	SHEET
B	CDTS141	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 : 056T17F15946

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

Catalog No : FX32FK003

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