

PRODUCT INFORMATION PACKET



Model No: 056T17F15948

Catalog No: FX12BK004

FLEX-IN-1™ General Purpose Motor, 0.50 & 0.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
1800 & 1500 RPM, 56C Frame, TEFC

Operational at 208-230/460 V @60HZ



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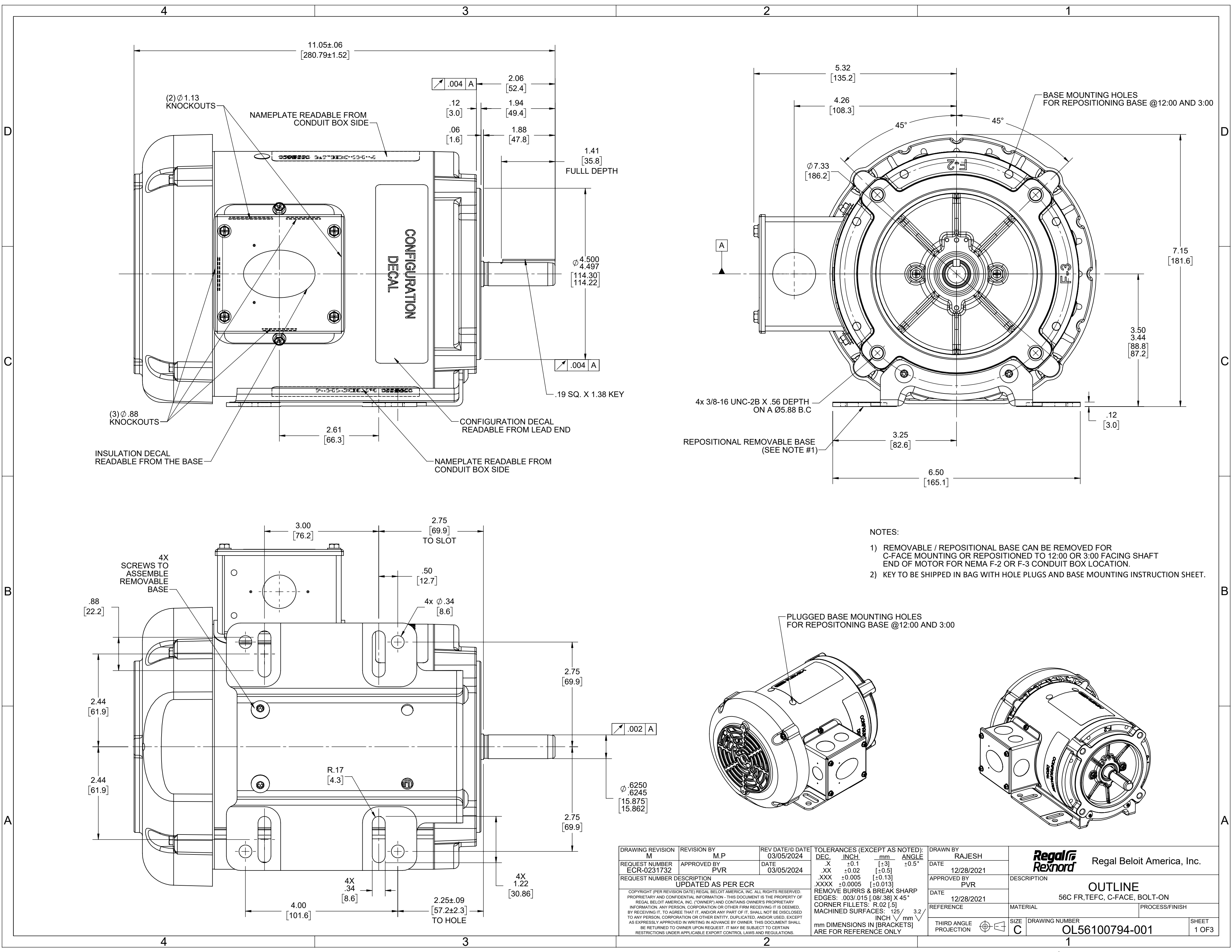
Nameplate Specifications

Phase	3	Output HP	0.50 & 0.50 Hp
Output KW	0.37 & 0.37 kW	Voltage	230/460 & 190/380 V
Speed	1725 & 1425 rpm	Service Factor	1.15 & 1.00
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	72.1 & 76 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	2.4/1.2 & 2.2/1.1 A	Power Factor	53.3
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	M
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

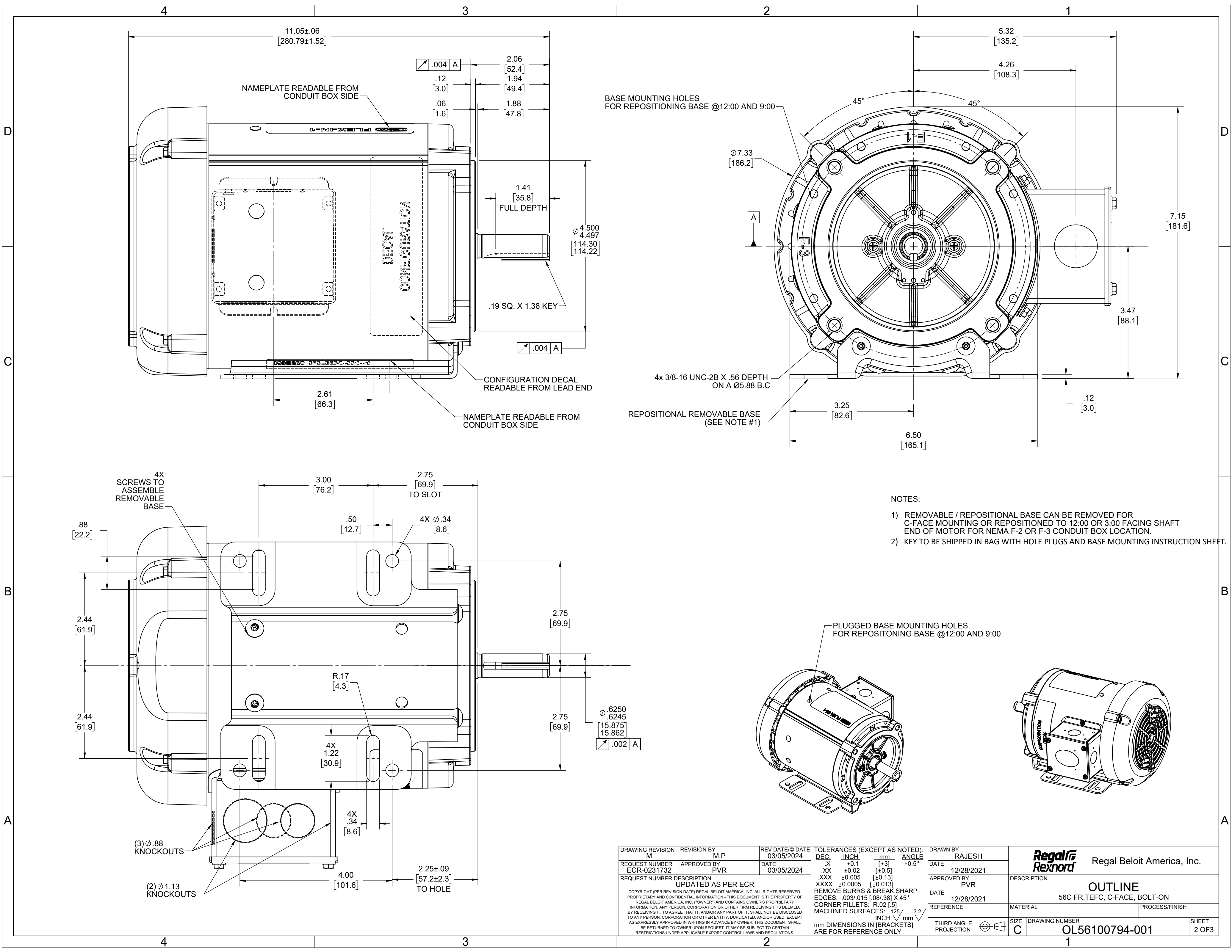
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	40 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	CDTD127	Outline Drawing	OL56100794-001

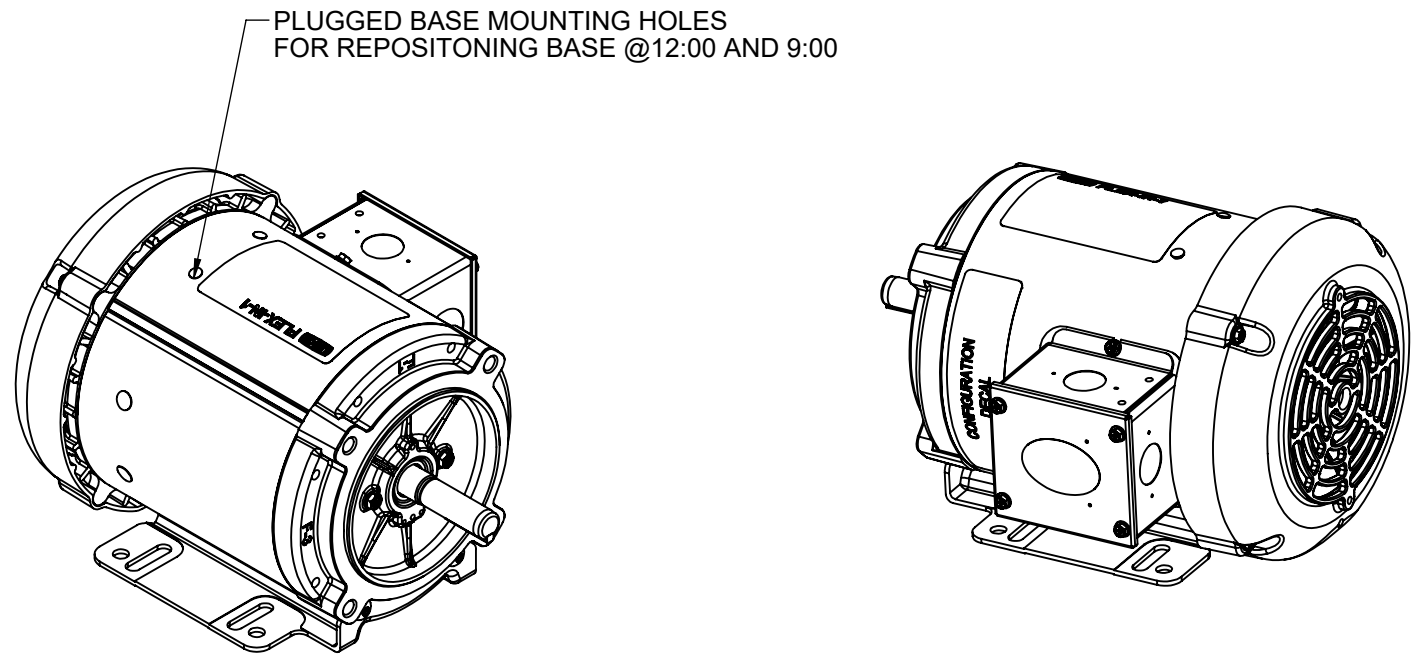
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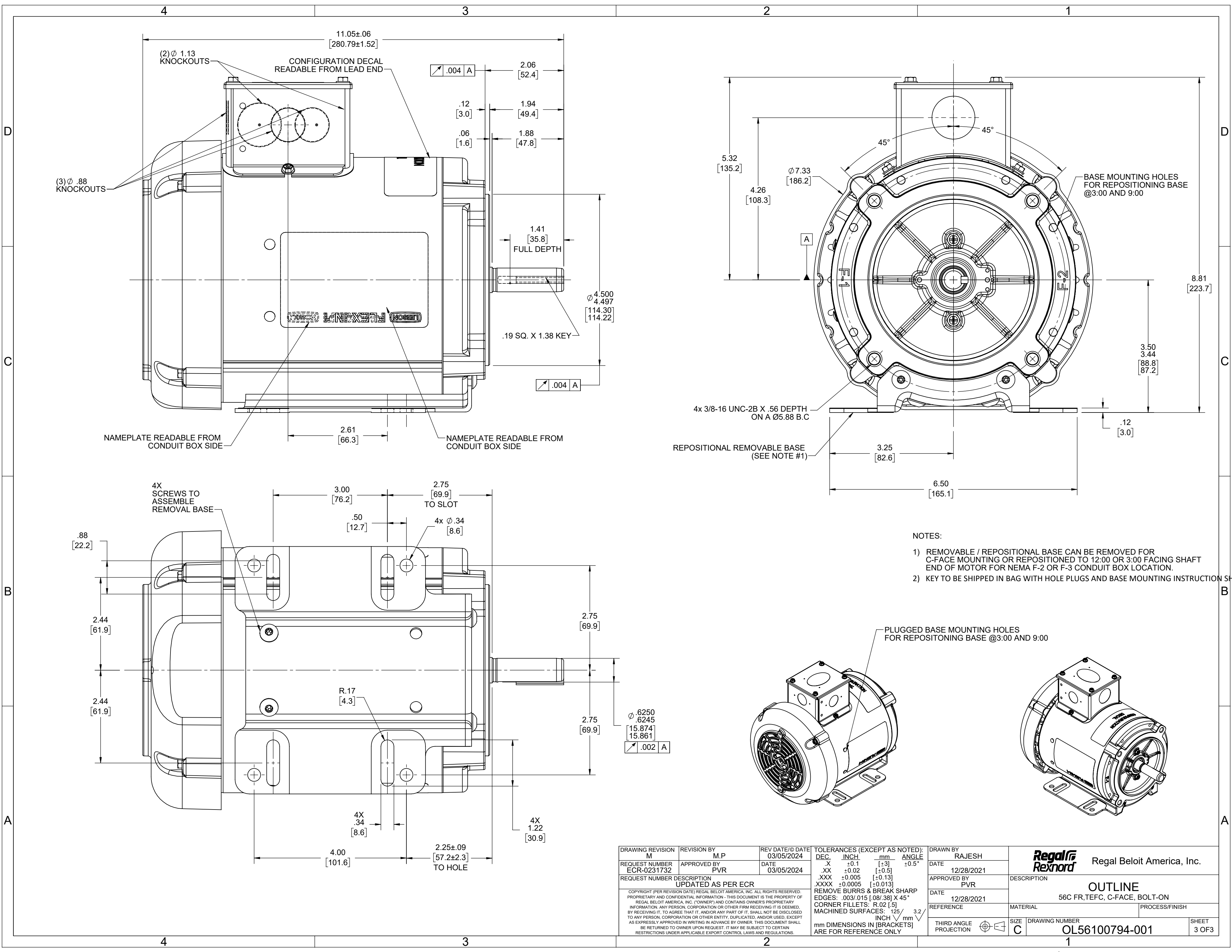
DRAWING REVISION M		REVISION BY M.P	REV DATE/© DATE 03/05/2024	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±0.5° .XX ±0.02 [±0.5] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013]		DRAWN BY RAJESH				Regal Beloit America, Inc.	
REQUEST NUMBER ECR-0231732		APPROVED BY PVR		DATE 03/05/2024	REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: .125/ mm 3.2/ INCH mm		DATE 12/28/2021	APPROVED BY PVR		DESCRIPTION OUTLINE	56C FR,TEFC, C-FACE, BOLT-ON
REQUEST NUMBER DESCRIPTION UPDATED AS PER ECR				mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY		DATE 12/28/2021		REFERENCE	MATERIAL	PROCESS/FINISH	
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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 M	REVISION BY M.P	REV DATE/© DATE 03/05/2024	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE	DRAWN BY RAJESH	 Regal Beloit America, Inc.	
REQUEST NUMBER ECR-0231732	APPROVED BY PVR	DATE 03/05/2024	.X ±0.1 [±3] .XX ±0.02 [±0.5] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013]	DATE 12/28/2021		
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				REFERENCE	MATERIAL	PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE C	DRAWING NUMBER OL56100794-001
						SHEET 2 OF 3



DRAWING REVISION M	REVISION BY M.P	REV DATE/© DATE 03/05/2024	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE	DRAWN BY RAJESH	 Regal Beloit America, Inc.		
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				THIRD ANGLE PROJECTION	SIZE C	DRAWING NUMBER OL56100794-001	SHEET 3 OF 3

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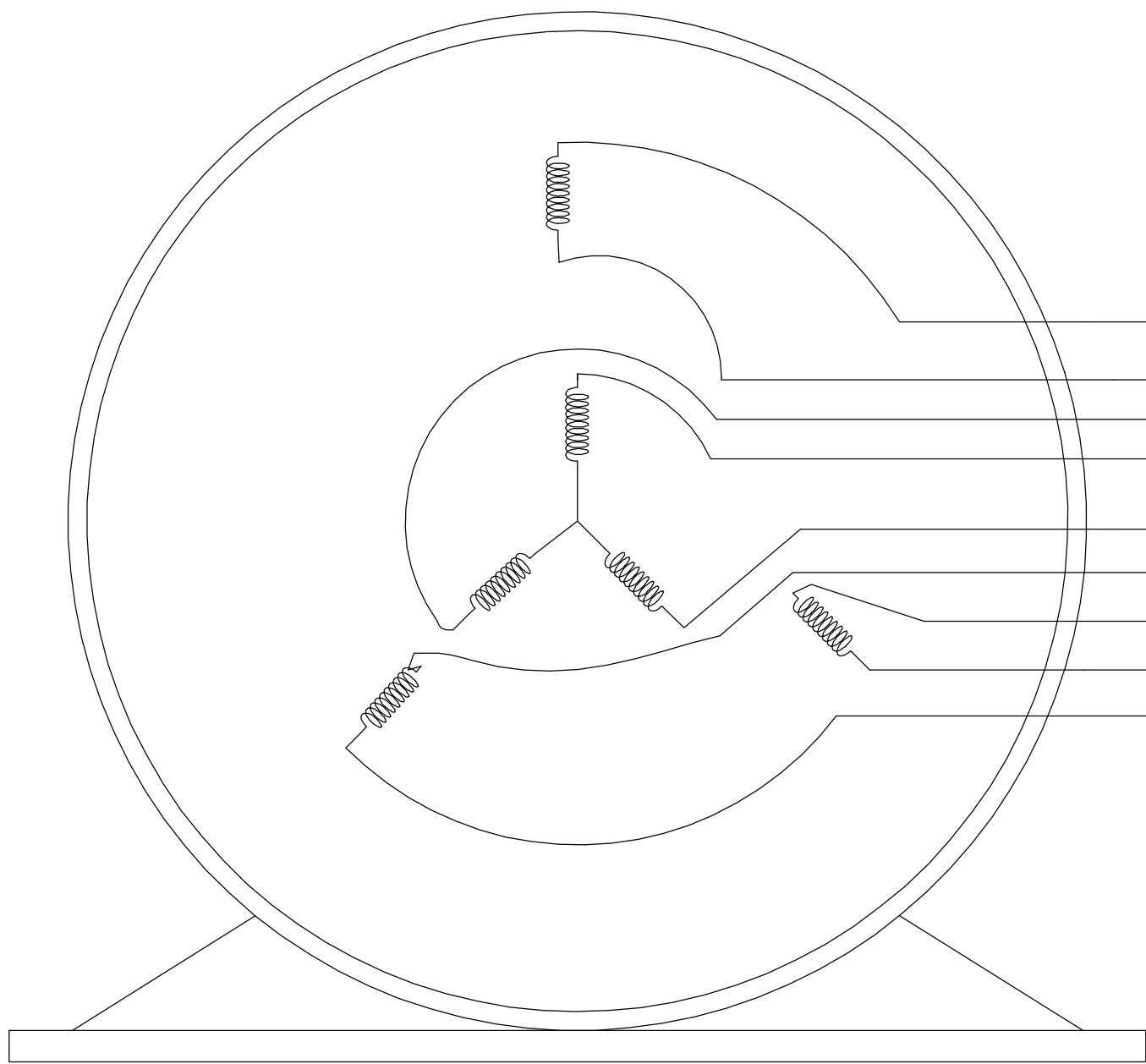
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B

B



VIEW OF TERMINAL END

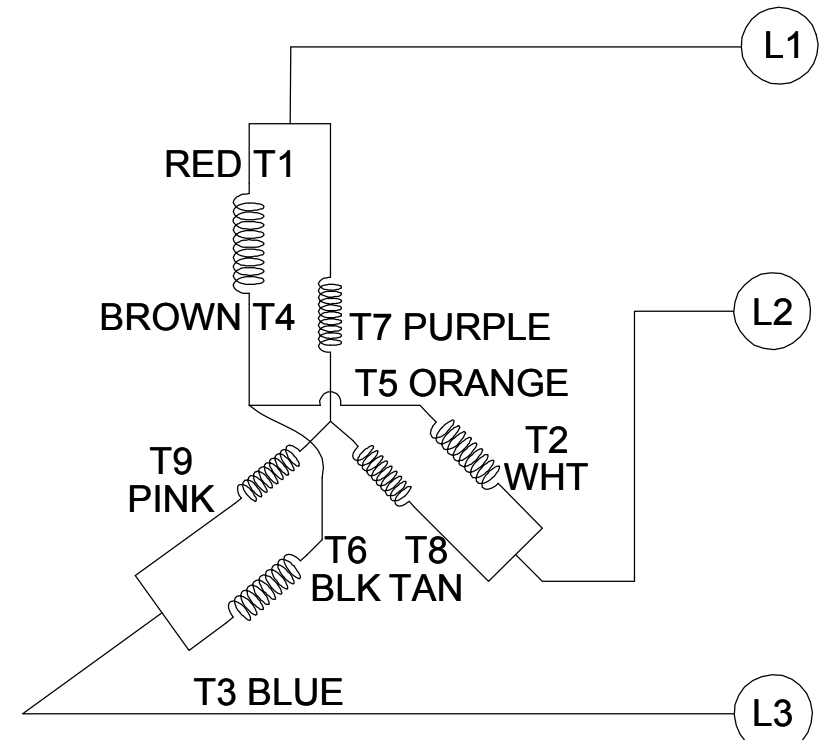
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- NOTE:
1. TO REVERSE ROTATION, INTERCHANGE ANY TWO LINE CONNECTIONS TO L1, L2, OR L3.
 2. CONNECTION DIAGRAM-NAMEPLATE
DD10123-001 - CCWLE
DD10199-001 - CWLE

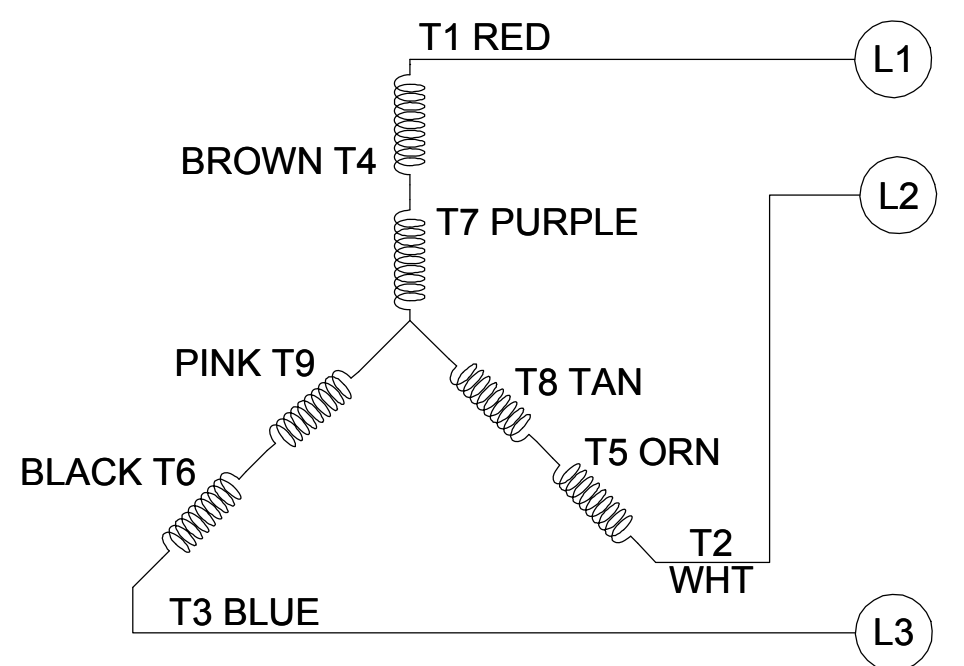
CCW LOW VOLTAGE

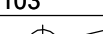
001



CCW HIGH VOLTAGE

002



DRAWING REVISION D		REVISION BY SHESHI		DATE 01/11/2019		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.			
ECO ECO-0159881		APPROVED BY CD		DATE 01/11/2019						DATE 12-01-2017					
ECO DESCRIPTION ADDED DD10199-001 COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.										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	

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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 : 056T17F15948

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

Catalog No : FX12BK004

Rework No : N/A

Directives :

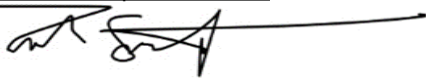
Low Voltage Directive 2014/35/EU

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