

PRODUCT INFORMATION PACKET



Model No: 056T17D99083

Catalog No: 056T17D99083

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

Operational at 208-230/460 V @60HZ



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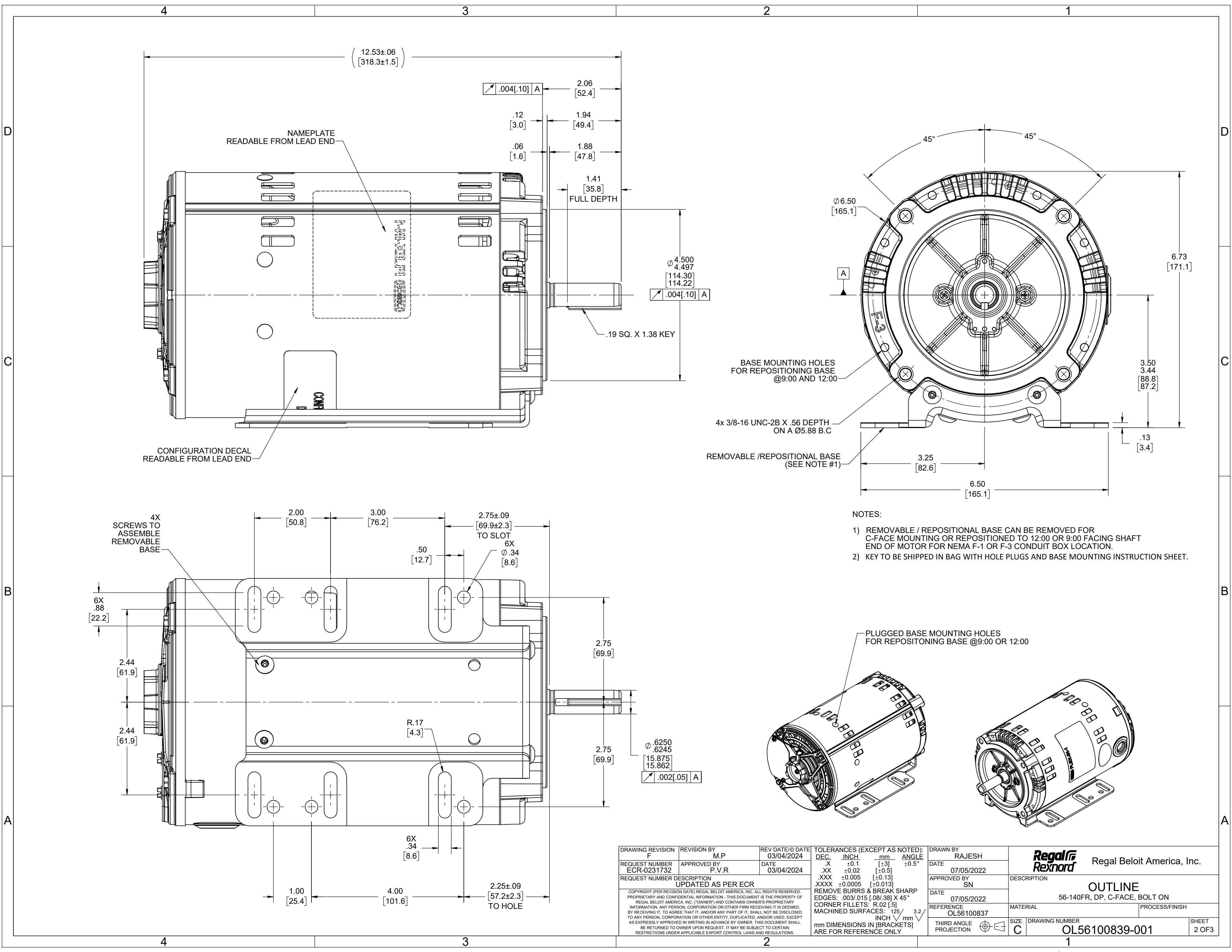
Nameplate Specifications

Phase	3	Output HP	1 & 1 Hp
Output KW	0.75 & 0.75 kW	Voltage	230/460 & 190/380 V
Speed	1725 & 1425 rpm	Service Factor	1.15 & 1.00
Frame	56HC	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	83.5 & 85.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	3.2/1.6 & 2.6/1.3 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	22
Number of Speeds	1		

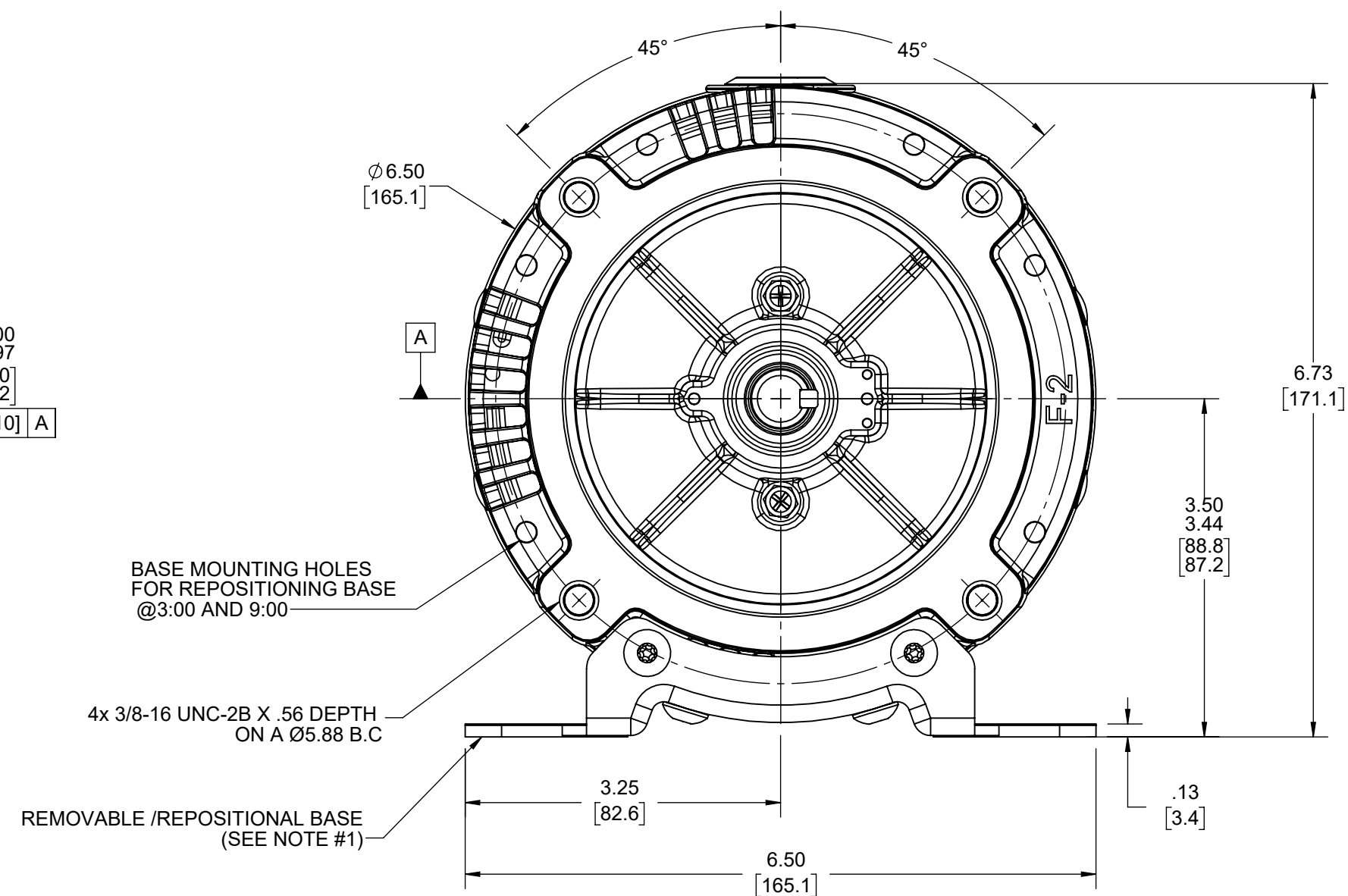
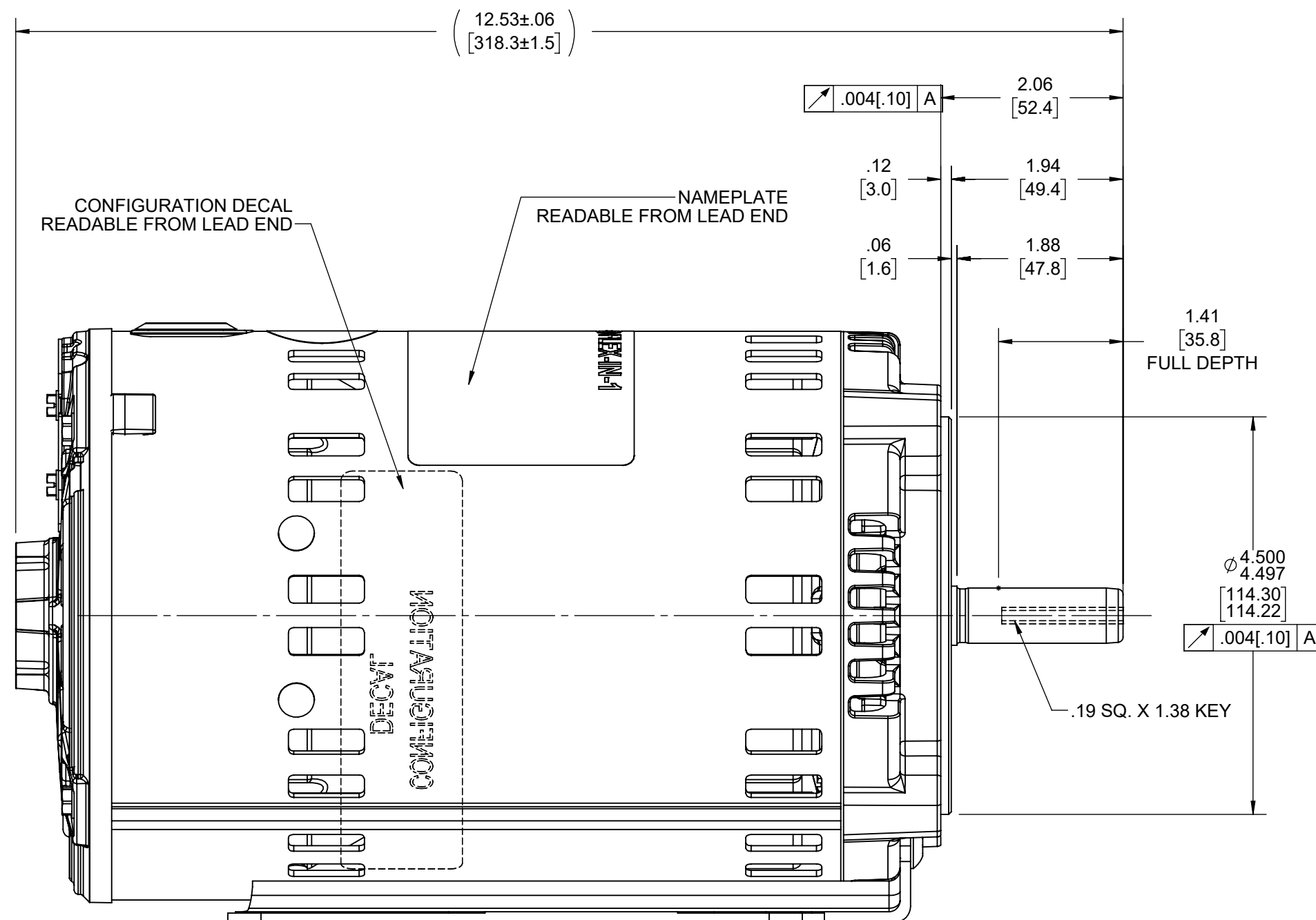
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	12 Ohms	Mounting	Bolt-on Base
Motor Orientation	Horizontal	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 2:1
Connection Drawing	CDTD127	Outline Drawing	OL56100839-001

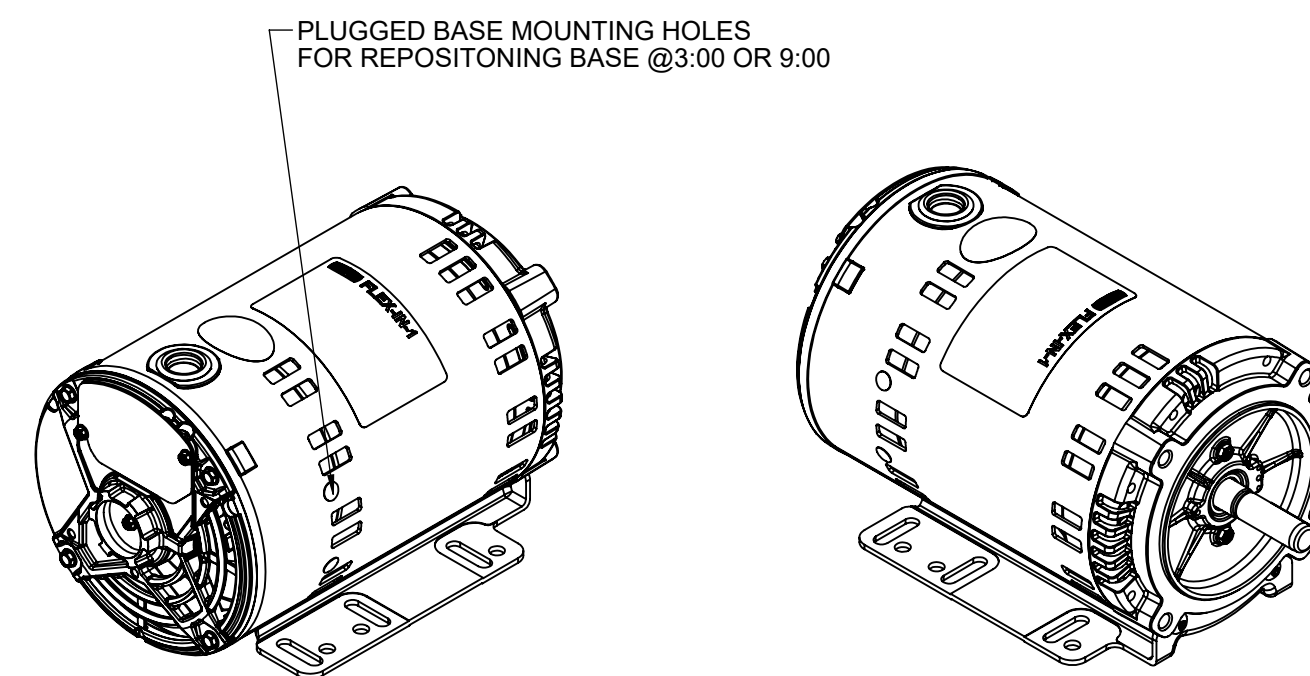
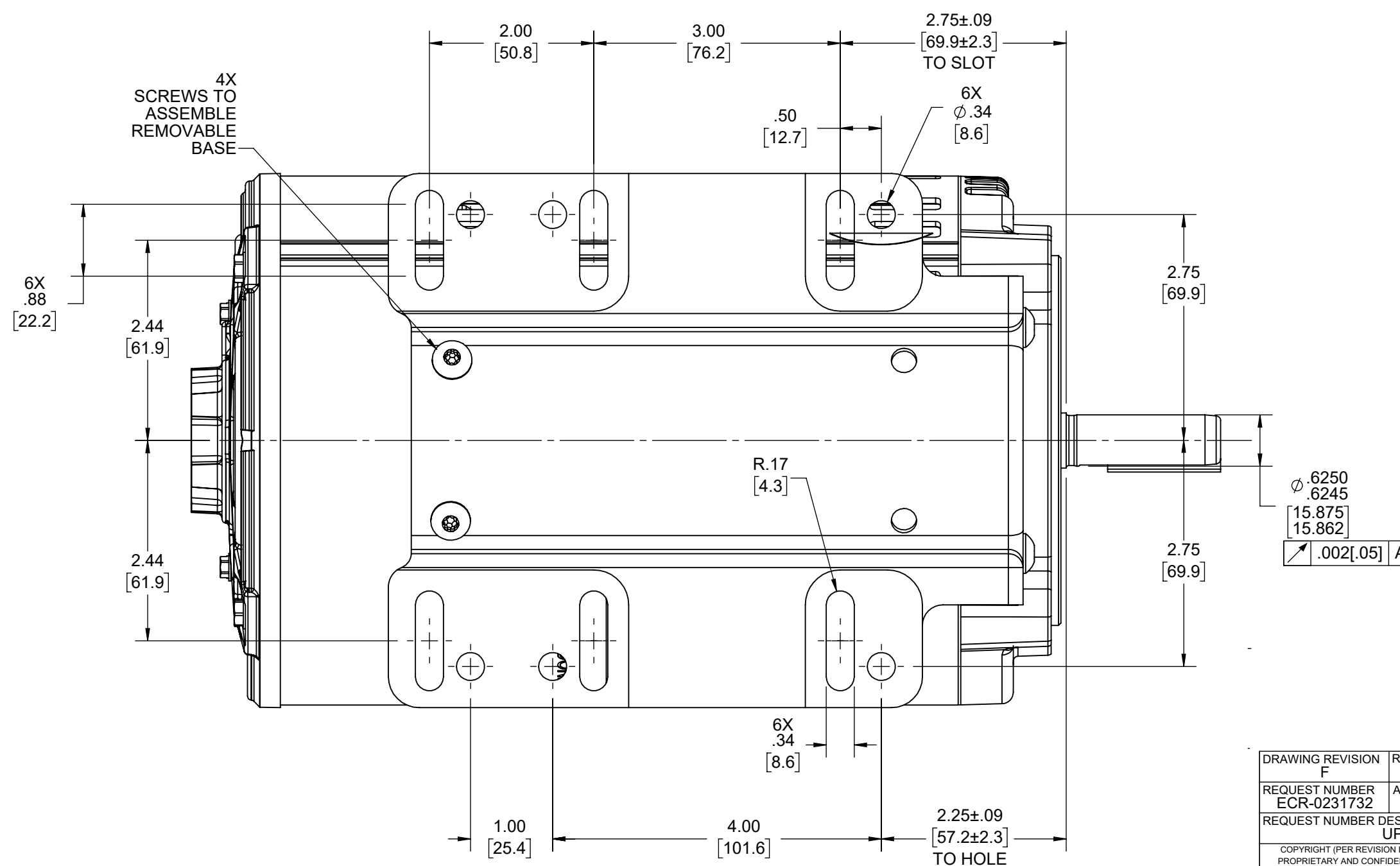
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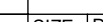


DRAWING REVISION F	REVISION BY M.P	REV DATE/© DATE 03/04/2024	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±0.5° .XX ±0.02 [±0.5] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013]	DRAWN BY RAJESH	 Regal Beloit America, Inc.	
REQUEST NUMBER ECR-0231732	APPROVED BY P.V.R	DATE 03/04/2024	REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: .125/ mm 3.2/ INCH mm mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DATE 07/05/2022		
REQUEST NUMBER DESCRIPTION UPDATED AS PER ECR				APPROVED BY SN	DESCRIPTION OUTLINE	
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				REFERENCE OL56100837	MATERIAL	PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE C	DRAWING NUMBER OL56100839-001
						SHEET 2 OF 3



- 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.



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REQUEST NUMBER ECR-0231732		APPROVED BY P.V.R		DATE 03/04/2024		REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 125 / 3.2				DATE 07/05/2022			
REQUEST NUMBER DESCRIPTION UPDATED AS PER ECR						APPROVED BY SN		DESCRIPTION OUTLINE				56-140FR, DP, C-FACE, BOLT ON	
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						THIRD ANGLE PROJECTION				SIZE C		DRAWING NUMBER OL56100839-001	

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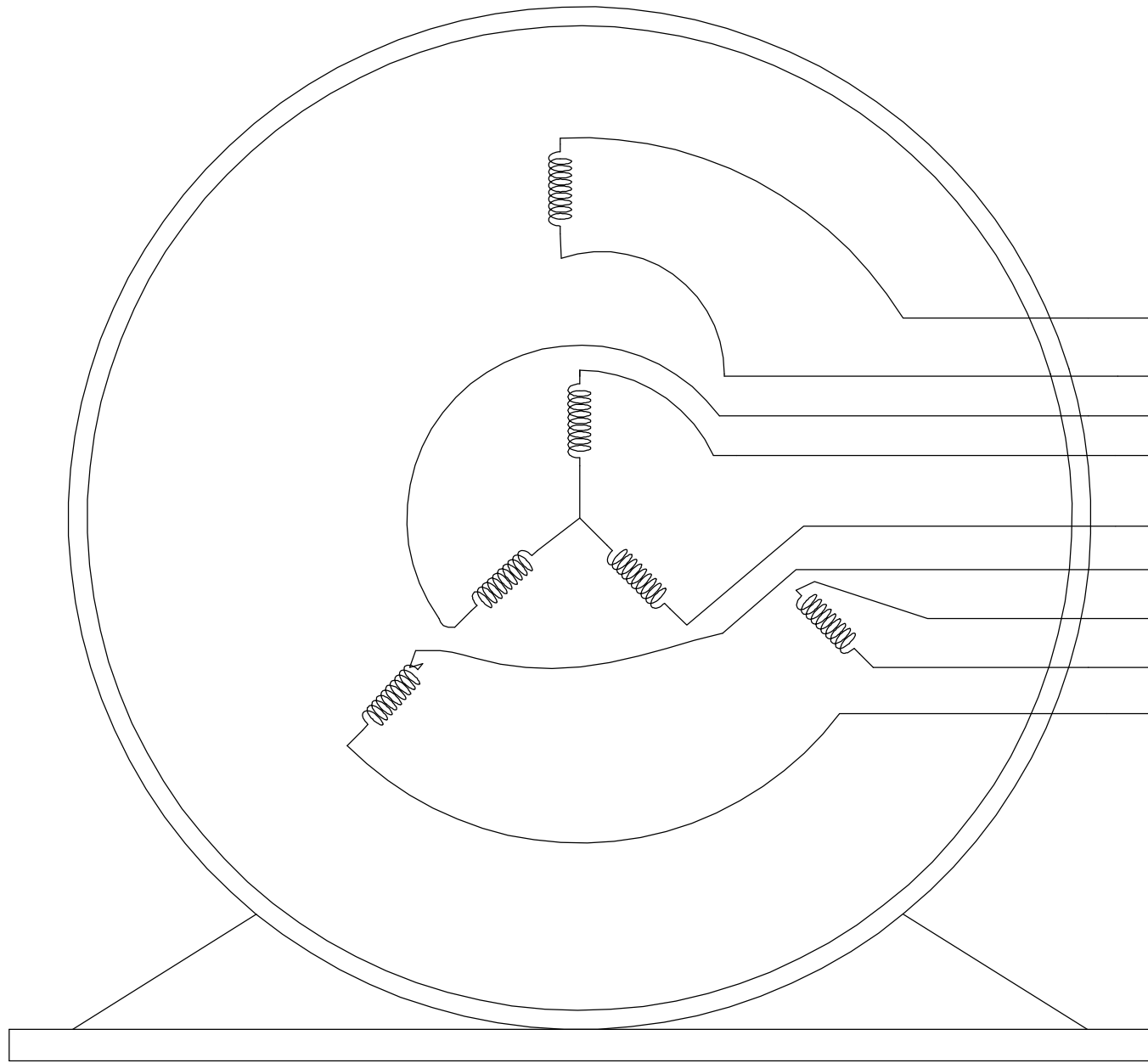
3

2

1

B

B



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

4

3

2

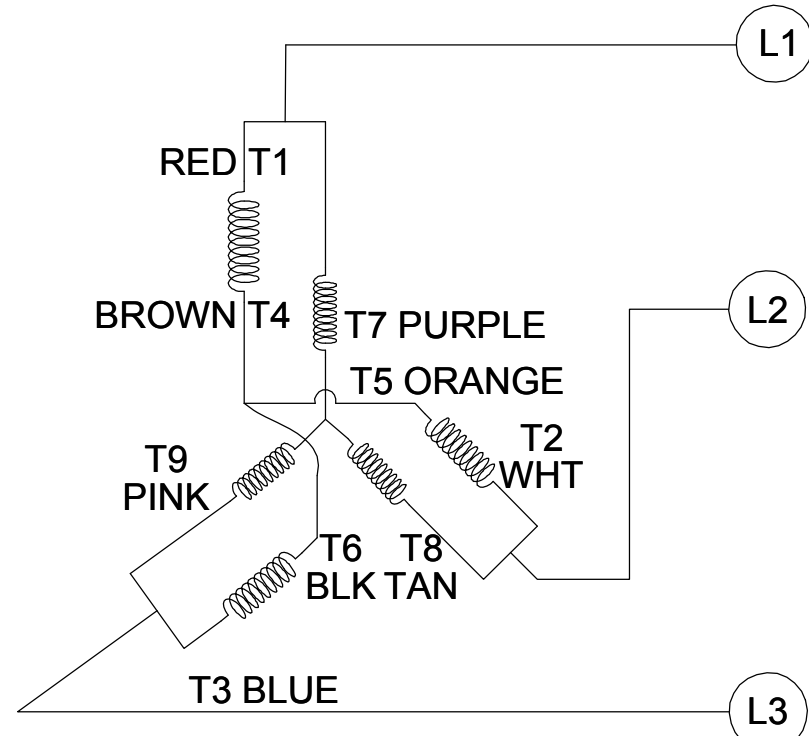
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A

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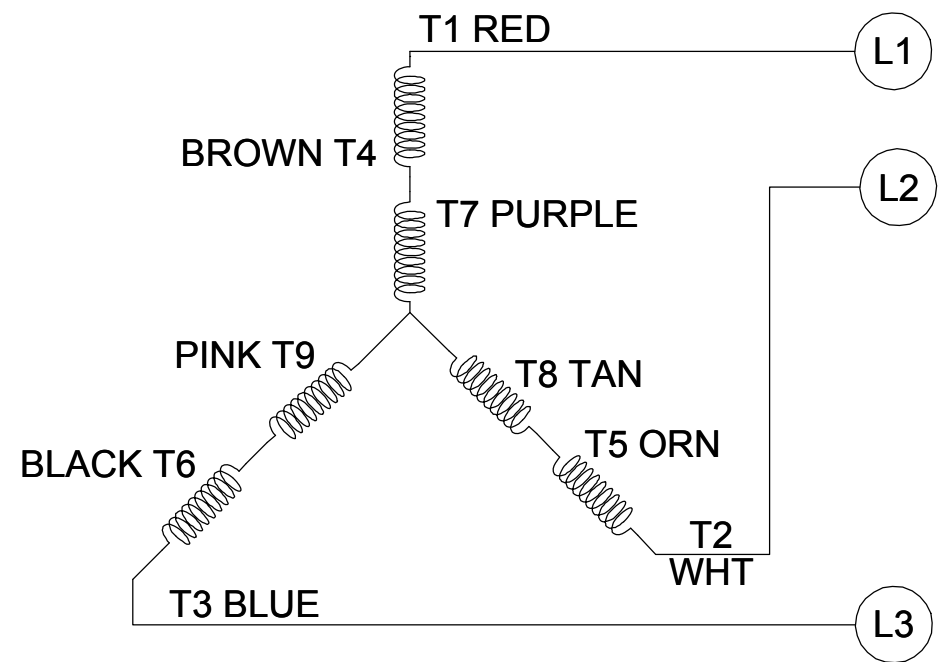
CCW LOW VOLTAGE

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]									
ECO ECO-0159881		APPROVED BY CD		DATE 01/11/2019											
ECO DESCRIPTION						DRAWN BY G. RODRIGUEZ									
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.						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	
						DRAWN BY G. RODRIGUEZ						REGAL™ Regal Beloit America, Inc.			

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 : 056T17D99083

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

Catalog No : FX01BK003

Rework No : N/A

Directives :

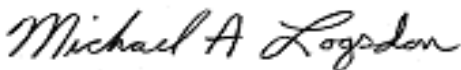
Low Voltage Directive 2014/35/EU

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

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