

PRODUCT INFORMATION PACKET



Model No: 056T17D15851

Catalog No: 056T17D15851

FLEX-IN-1™ General Purpose Motor, 2 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM,
56HC Frame, DP

Operational at 208-230/460 V @60HZ



Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2024 Regal Rexnord Corporation, All Rights Reserved. MC017097E





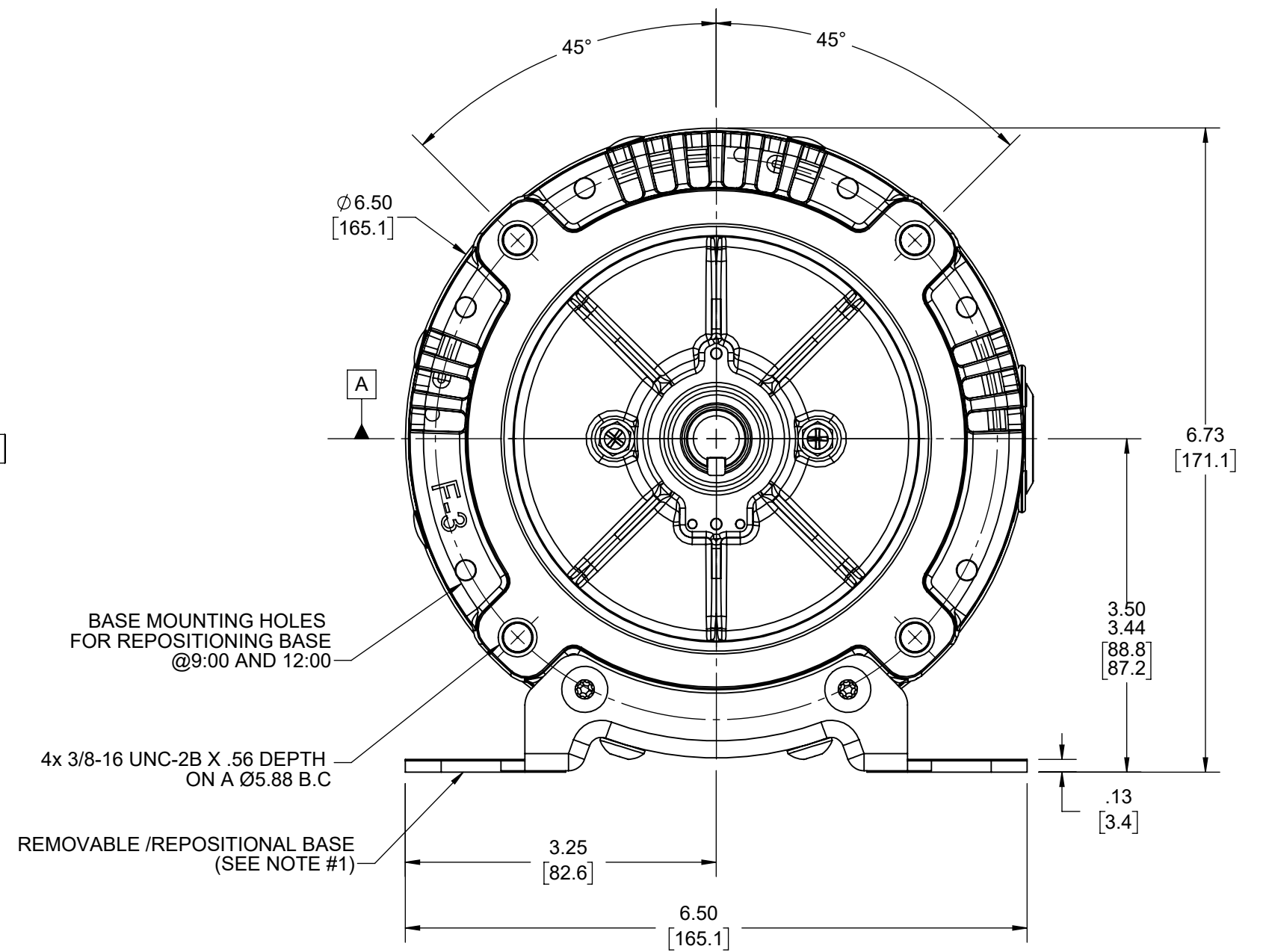
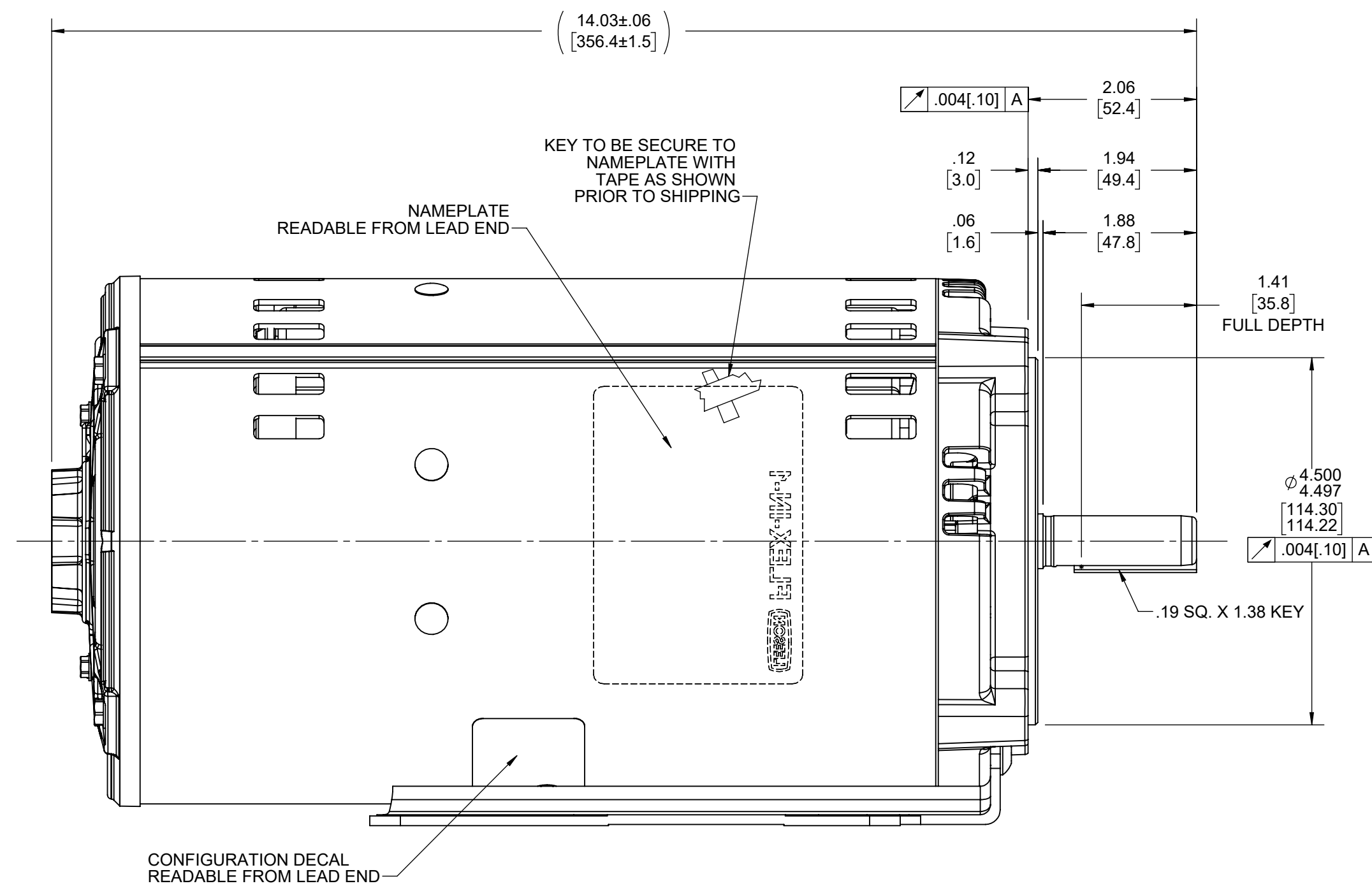
Nameplate Specifications

Phase	3	Output HP	2 & 2 Hp
Output KW	1.5 & 1.5 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	86.5 & 85.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	6/3 & 6.6/3.3 A	Power Factor	74.5
Duty	Continuous	Insulation Class	F
Design Code	A	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

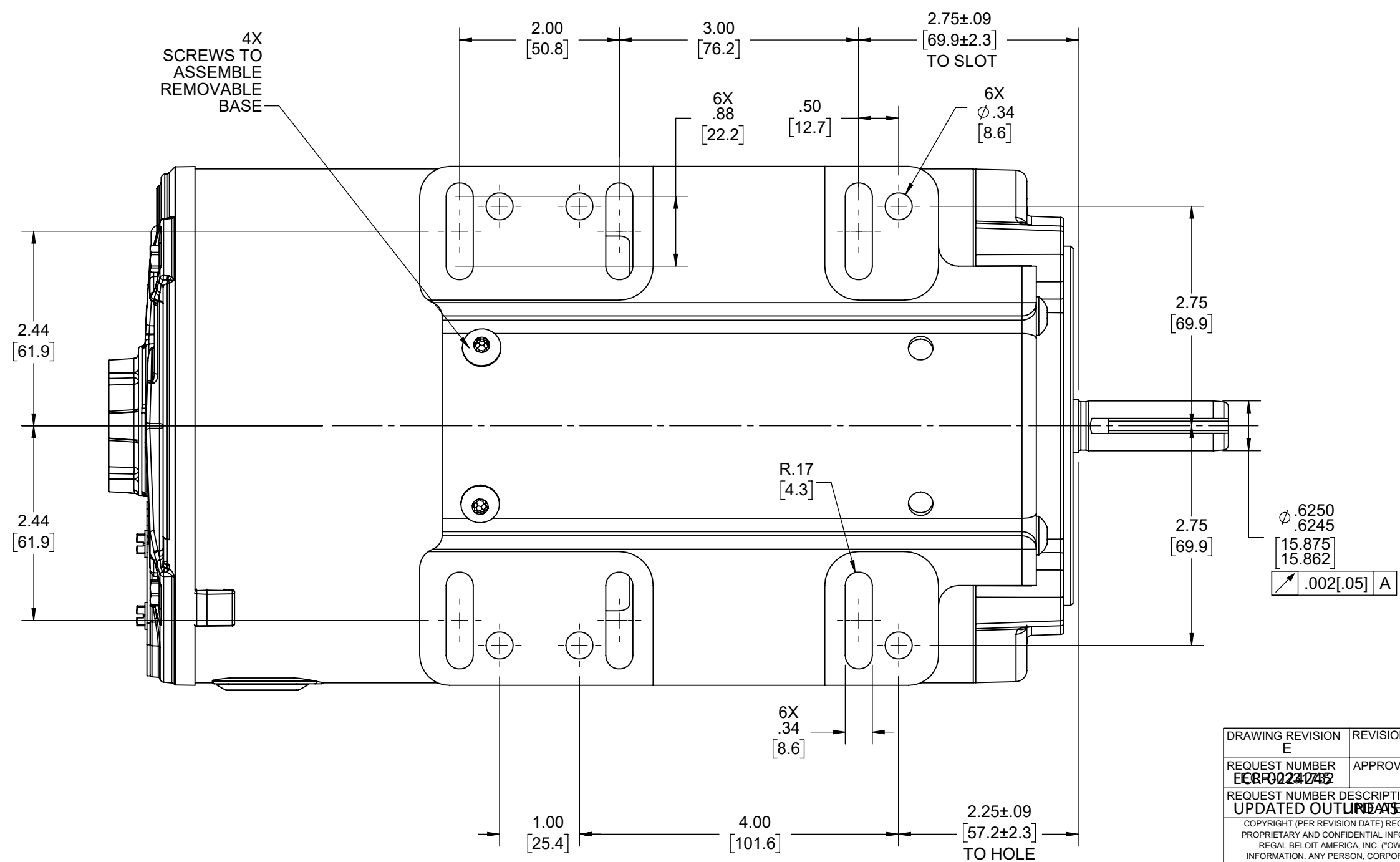
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	6.4 Ohms	Mounting	Bolt-on Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Shaft Diameter	0.625 in
Assembly/Box Mounting	F1 F2/F3 CAPABLE	Inverter Load	CONSTANT 2:1
Connection Drawing	CDTD127	Outline Drawing	OL56100859-001

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:09/18/2024

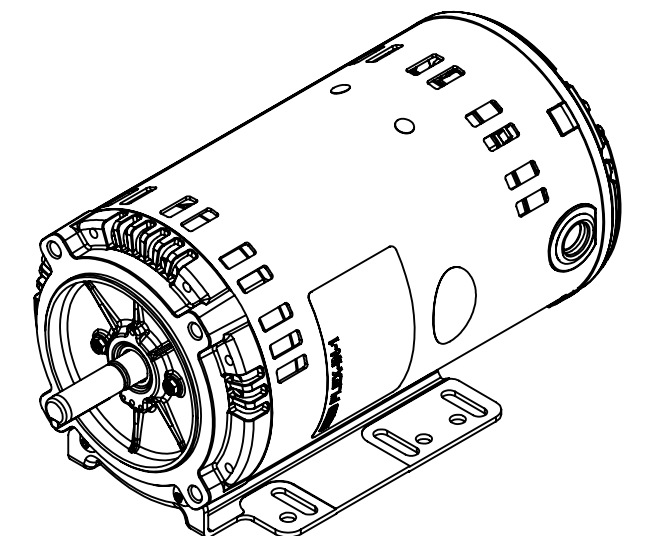
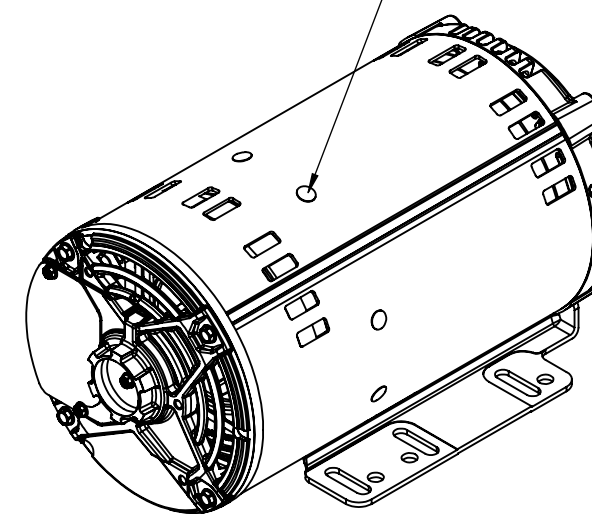


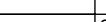
NOTES:

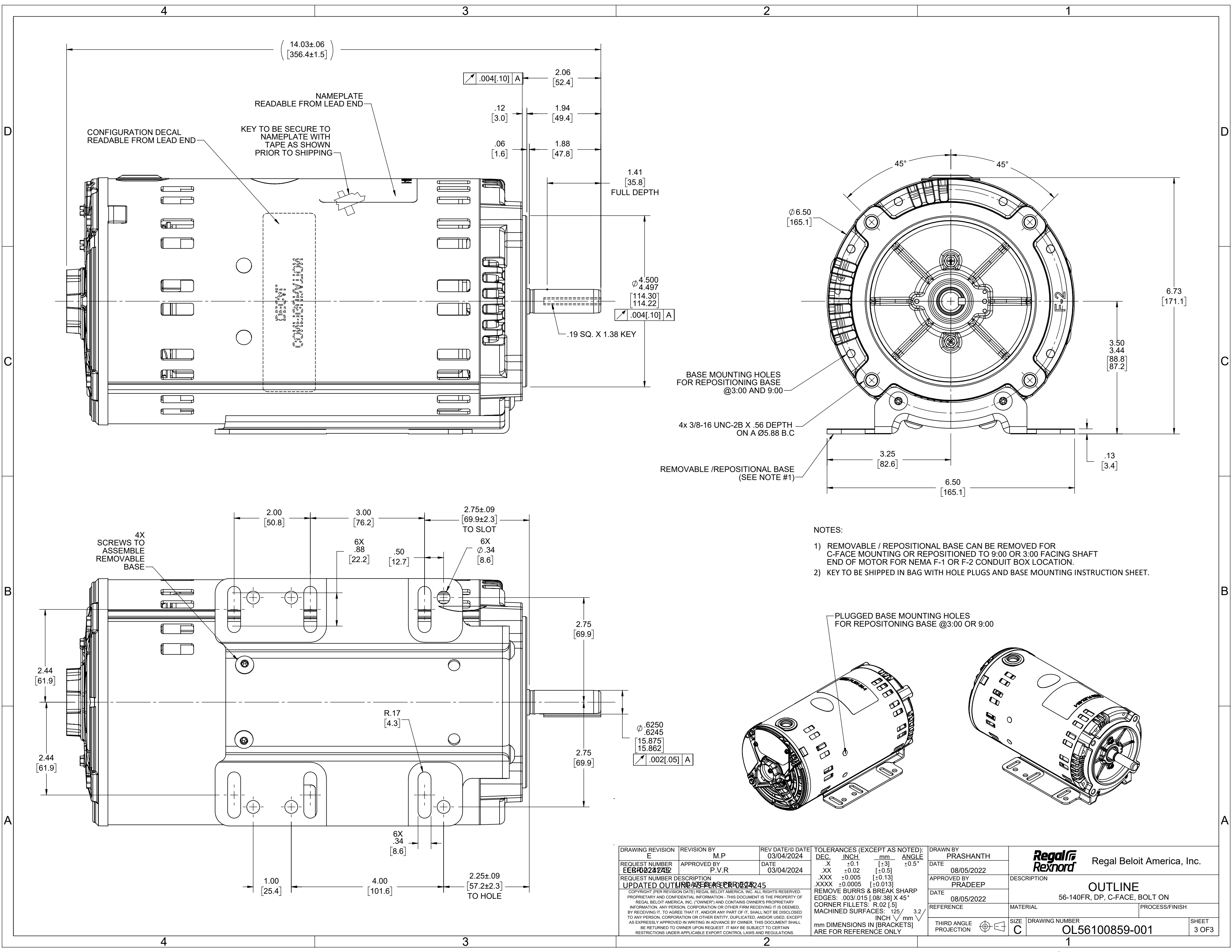
- 1) REMOVABLE / REPOSITIONAL BASE CAN BE REMOVED FOR C-FACE MOUNTING OR REPOSITIONED TO 12:00 OR 9:00 FACING SHAFT END OF MOTOR FOR NEMA F-1 OR F-3 CONDUIT BOX LOCATION.
- 2) KEY TO BE SHIPPED IN BAG WITH HOLE PLUGS AND BASE MOUNTING INSTRUCTION SHEET.



PLUGGED BASE MOUNTING HOLES
FOR REPOSITONING BASE @9:00 OR 12:00—



DRAWING REVISION E		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 PRASHANTH		 Regal Beloit America, Inc.					
REQUEST NUMBER EER0224245		APPROVED BY P.V.R		DATE 03/04/2024						DATE 08/05/2022				DESCRIPTION			
REQUEST NUMBER DESCRIPTION UPDATED OUTLINE DRAWING EER022425										APPROVED BY PRADEEP		OUTLINE 56-140FR, DP, C-FACE, BOLT ON					
COPYRIGHT (PER REVISION DATE) REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. (OWNER) AND CONTAINS OWNERS PROPRIETARY INFORMATION. ANY REPRODUCTION OR OTHER FORM RECEIVING IT 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 ADVISED 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.						REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 125 INCH mm 3.2 mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY				DATE 08/05/2022				MATERIAL		PROCESS/FINISH	
										REFERENCE		SIZE C		DRAWING NUMBER OL56100859-001		SHEET 2 OF 3	
										THIRD ANGLE PROJECTION							



DRAWING REVISION E	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 PRASHANTH	 Regal Beloit America, Inc.
REQUEST NUMBER EEB00247452	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: $\sqrt{125}$ INCH $\sqrt{3.2}$ mm		DATE 08/05/2022	
REQUEST NUMBER DESCRIPTION UPDATED OUTLINE AS PER REQ 245			THIRD ANGLE PROJECTION		APPROVED BY PRADEEP	
COPYRIGHT (PER REVISION DATE) 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.			mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY		DATE 08/05/2022	
			REFERENCE		DESCRIPTION 56-140FR, DP, C-FACE, BOLT ON	
			MATERIAL		PROCESS/FINISH	
			SIZE C		DRAWING NUMBER OL56100859-001	
					SHEET 3 OF 3	

4

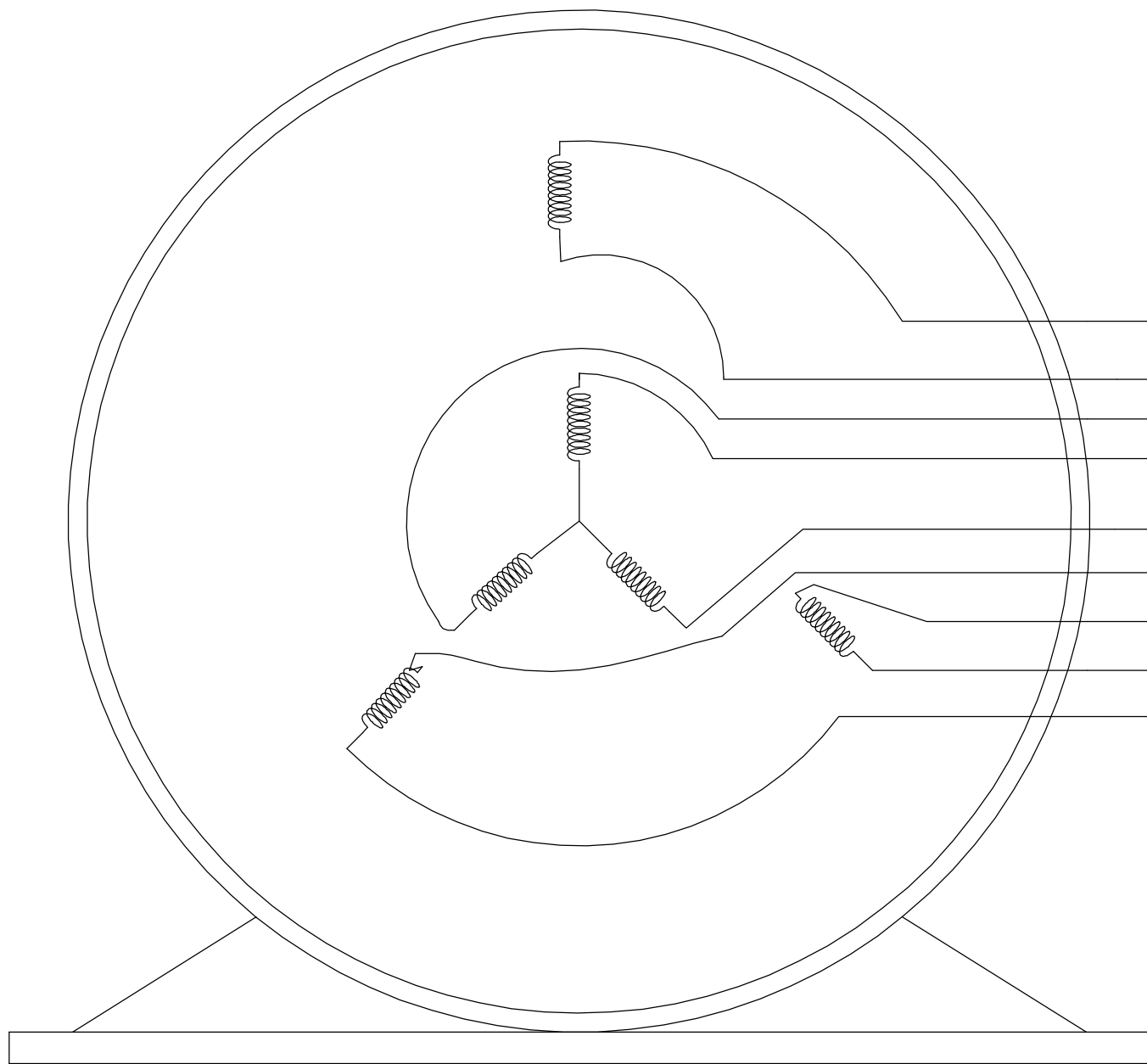
3

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

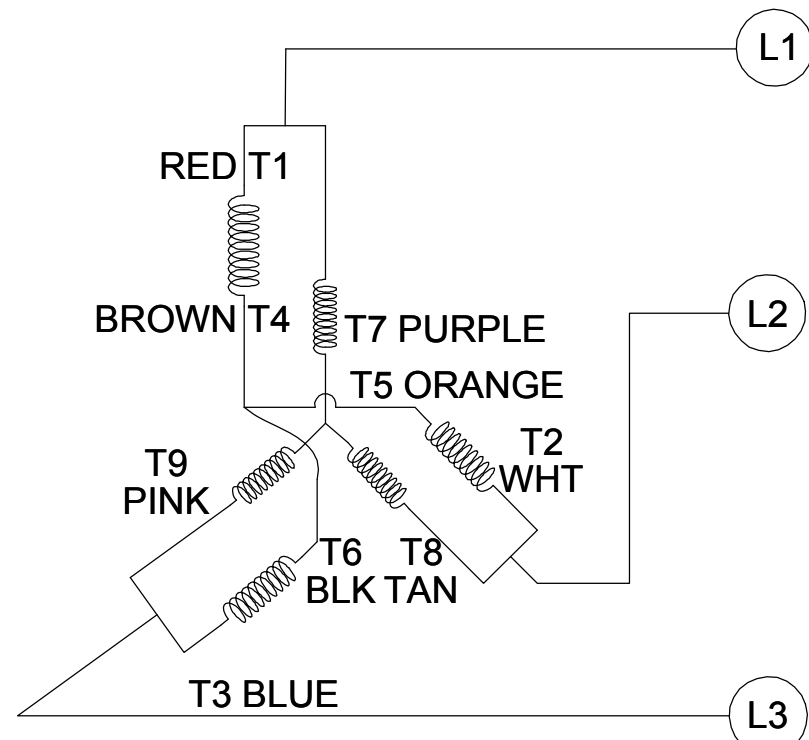
1

A

A

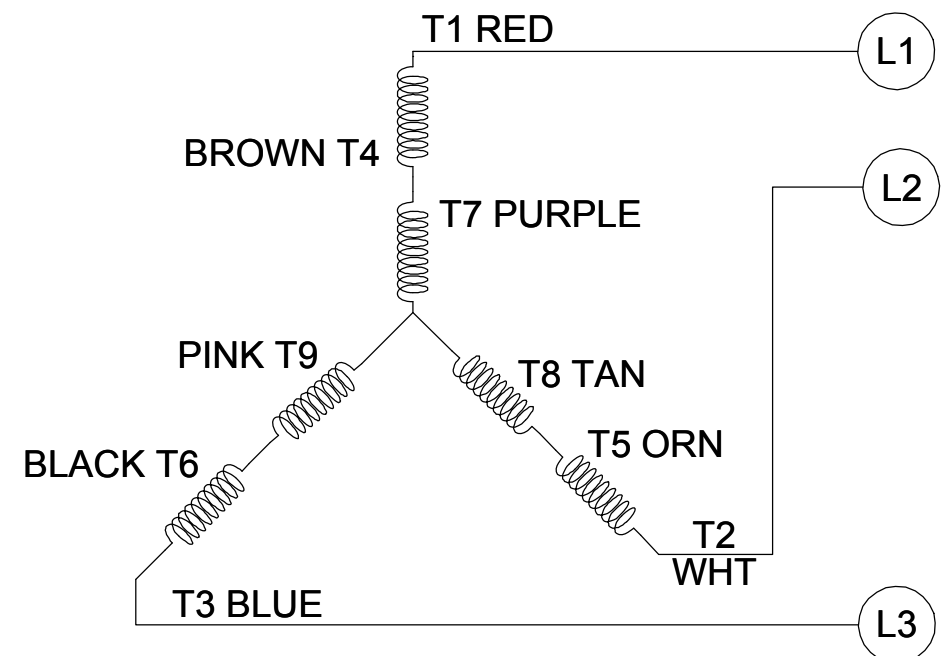
CCW LOW VOLTAGE

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 [0.076/3.81] CORNER FILLETS: .02 [0.51] MACHINED SURFACES: 125 √ 3.2 √ INCH mm √ mm SHOWN IN [BRACKETS]		DRAWN BY G. RODRIGUEZ		REGAL™ 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				DATE			
		REFERENCE CDTD103				DATE			
				REFERENCE CDTD103		MATERIAL		PROCESS/FINISH	
				THIRD ANGLE PROJECTION		SIZE B		DRAWING NUMBER CDTD127	

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 : 056T17D15851

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

Catalog No : FX02BK003

Rework No : N/A

Directives :

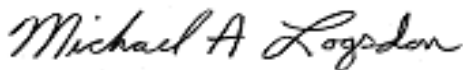
Low Voltage Directive 2014/35/EU

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