

# PRODUCT INFORMATION PACKET

Model No: 056T17D15850

Catalog No: FX32BK003

FLEX-IN-1™ General Purpose Motor, 1.5 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 56HC Frame, DP



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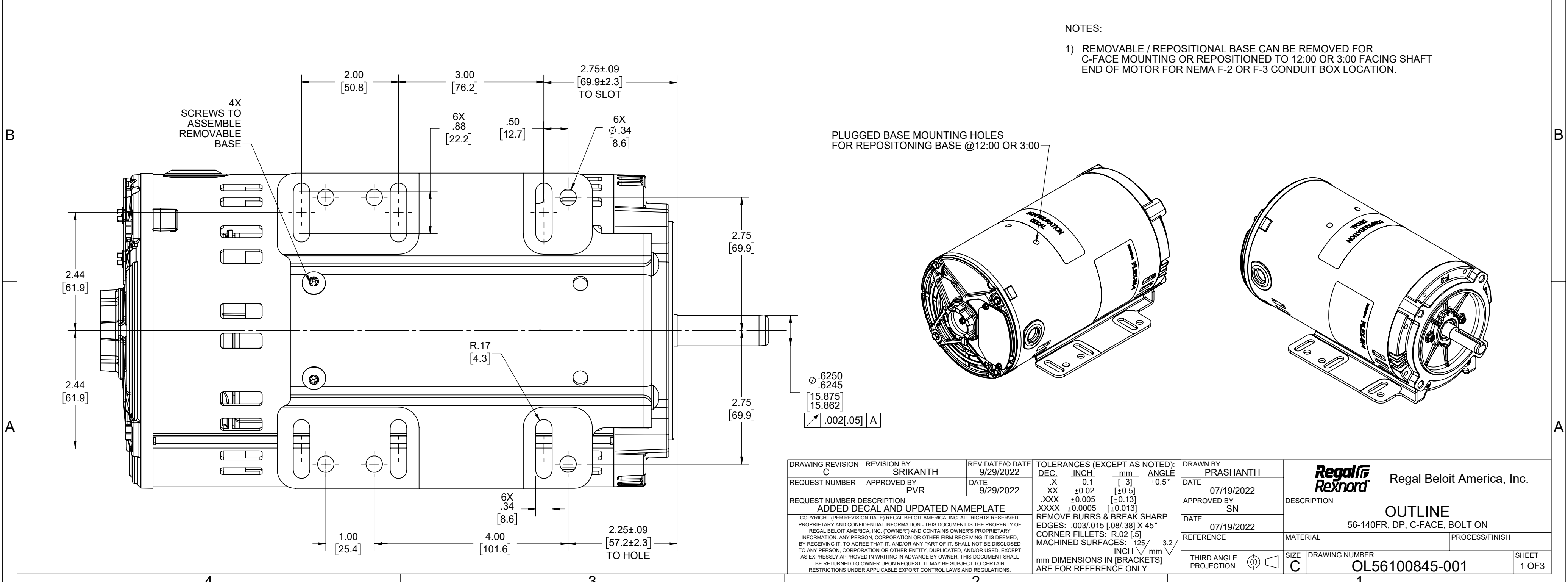
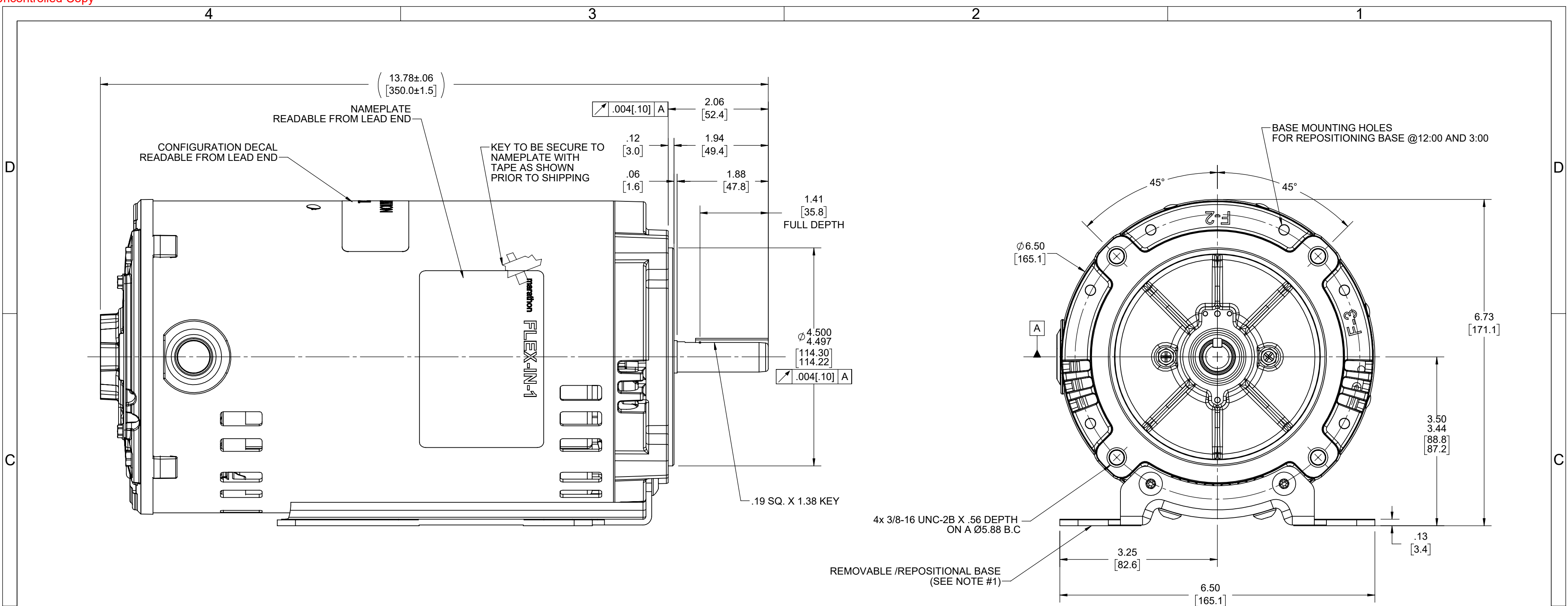
### Nameplate Specifications

Output HP	<b>1.50 Hp</b>	Output KW	<b>1.1 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>4.4/2.2 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>86.5 %</b>	Power Factor	<b>75</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>M</b>
Frame	<b>56HC</b>	Enclosure	<b>Drip Proof</b>
Thermal Protection	<b>No Protection</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6203</b>	Opp Drive End Bearing Size	<b>6203</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>22</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>0 Ohms</b>	Mounting	<b>Bolt-on Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Rolled Steel</b>
Shaft Type	<b>NEMA 56</b>	Shaft Diameter	<b>0.625 in</b>
Assembly/Box Mounting	<b>F1 ONLY</b>	Inverter Load	<b>CONSTANT 2:1</b>
Connection Drawing	<b>CDTD127</b>	Outline Drawing	<b>OL56100845-001</b>

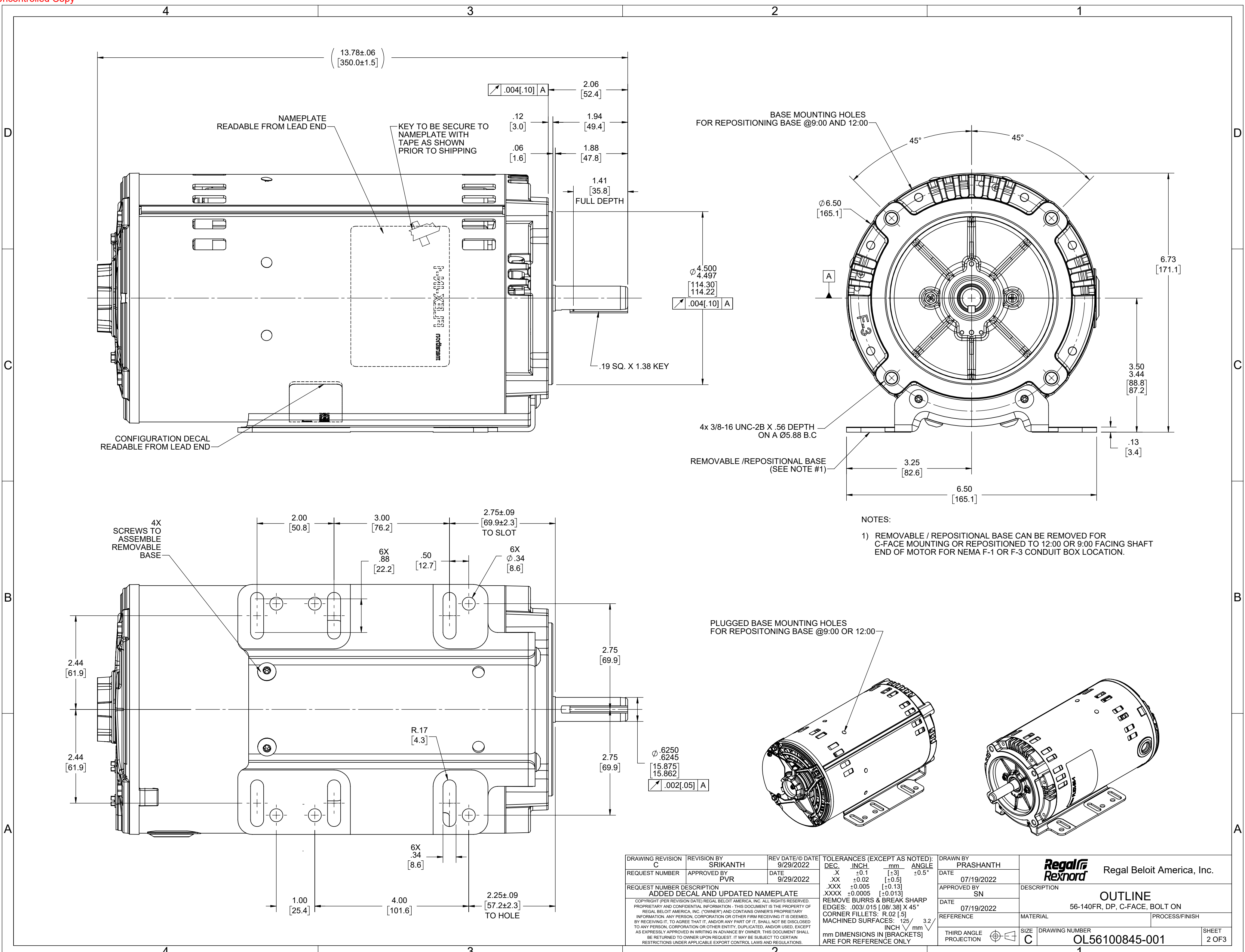
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NOTES:  
 1) REMOVABLE / REPOSITIONAL BASE CAN BE REMOVED FOR C-FACE MOUNTING OR REPOSITIONED TO 12:00 OR 3:00 FACING SHAFT END OF MOTOR FOR NEMA F-2 OR F-3 CONDUIT BOX LOCATION.

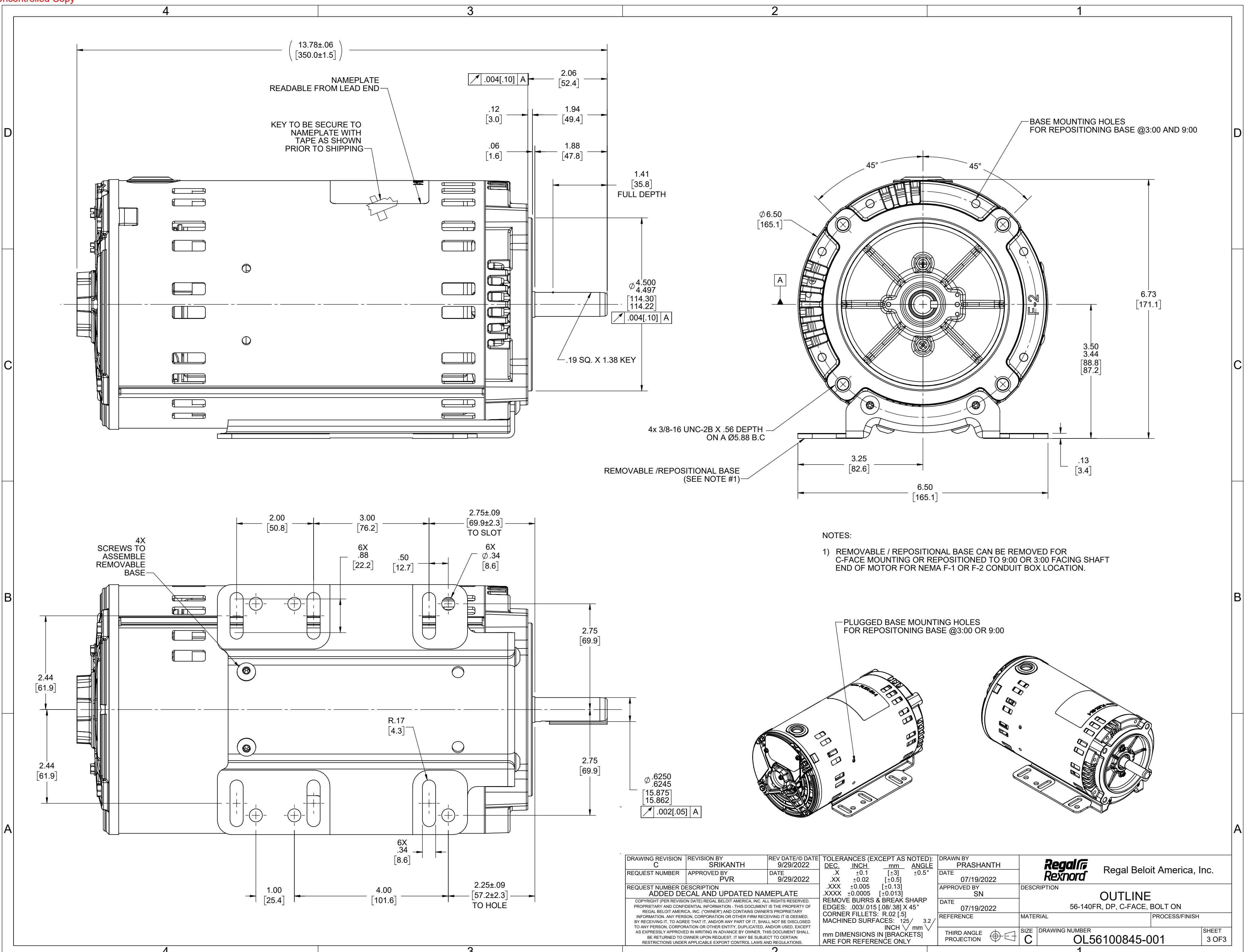
DRAWING REVISION C	REVISION BY SRIKANTH	REV DATE/DATE 9/29/2022	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE		DRAWN BY PRASHANTH	Regal Beloit America, Inc.
REQUEST NUMBER	APPROVED BY PVR	DATE 9/29/2022	.X ±0.1 [±3]	±0.5°	DATE 07/19/2022	
REQUEST NUMBER DESCRIPTION ADDED DECAL AND UPDATED NAMEPLATE			.XX ±0.02 [±0.5]		APPROVED BY SN	DESCRIPTION OUTLINE
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.			.XXX ±0.005 [±0.13]		DATE 07/19/2022	MATERIAL 56-140FR, DP, C-FACE, BOLT ON
			.XXXX ±0.0005 [±0.013]		REFERENCE	PROCESS/FINISH
			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [ .08/.38] X 45°		THIRD ANGLE PROJECTION	DRAWING NUMBER OL56100845-001
			CORNER FILLETS: R.02 [ .5]		SIZE C	SHEET 1 OF 3
			MACHINED SURFACES: .125 / mm 3.2			
			mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY			





- 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.

DRAWING REVISION C	REVISION BY SRIKANTH	REV DATE/© DATE 9/29/2022	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE	DRAWN BY PRASHANTH	Regal Beloit America, Inc.		
REQUEST NUMBER	APPROVED BY PVR	DATE 9/29/2022	.X ±0.1 [±3] .XX ±0.02 [±0.5] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013]	DATE 07/19/2022			
REQUEST NUMBER DESCRIPTION ADDED DECAL AND UPDATED NAMEPLATE			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: ±.125 /mm 3.2 INCH √ mm	APPROVED BY SN	DESCRIPTION OUTLINE		
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				REFERENCE	MATERIAL	PROCESS/FINISH	
				THIRD ANGLE PROJECTION	SIZE C	DRAWING NUMBER OL56100845-001	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.

DRAWING REVISION C	REVISION BY SRIKANTH	REV DATE/© DATE 9/29/2022	TOLERANCES (EXCEPT AS NOTED):				DRAWN BY PRASHANTH	Regal Beloit America, Inc.
REQUEST NUMBER	APPROVED BY PVR	DATE 9/29/2022	DEC.	INCH	mm	ANGLE	DATE 07/19/2022	
REQUEST NUMBER DESCRIPTION ADDED DECAL AND UPDATED NAMEPLATE			.X	±0.1	[±3]	±0.5°	APPROVED BY SN	DESCRIPTION OUTLINE
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			.XXX	±0.005	[±0.13]		REFERENCE	PROCESS/FINISH
			.XXXX	±0.0005	[±0.013]		THIRD ANGLE PROJECTION	DRAWING NUMBER OL56100845-001
			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45°				SIZE C	SHEET 3 OF 3
			CORNER FILLETS: R.02 [5]					
			MACHINED SURFACES: ±.125 / mm					
			mm DIMENSIONS IN [BRACKETS] INCH / mm					
			3.2					

4

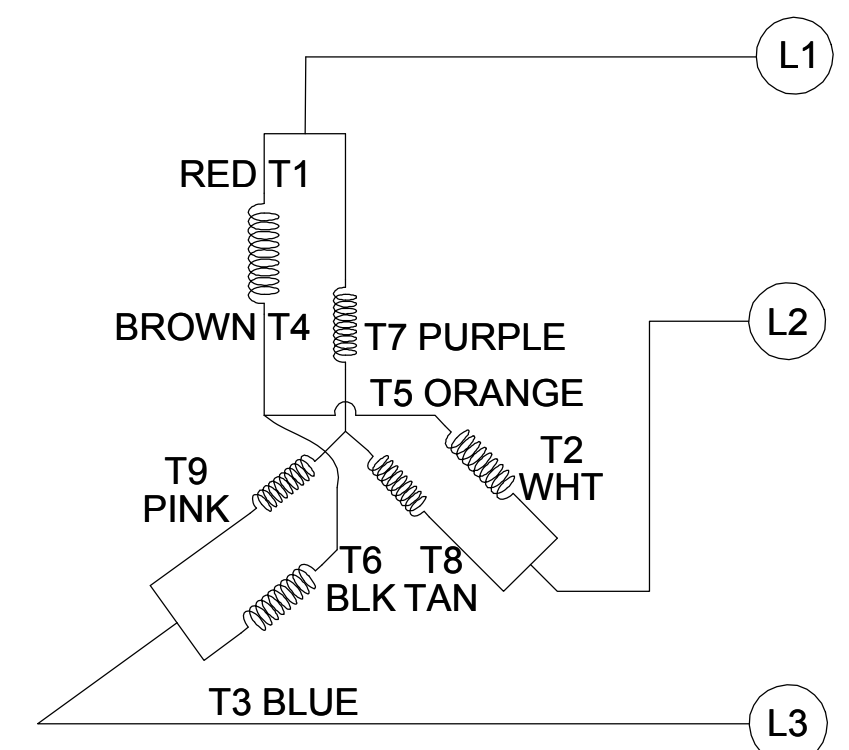
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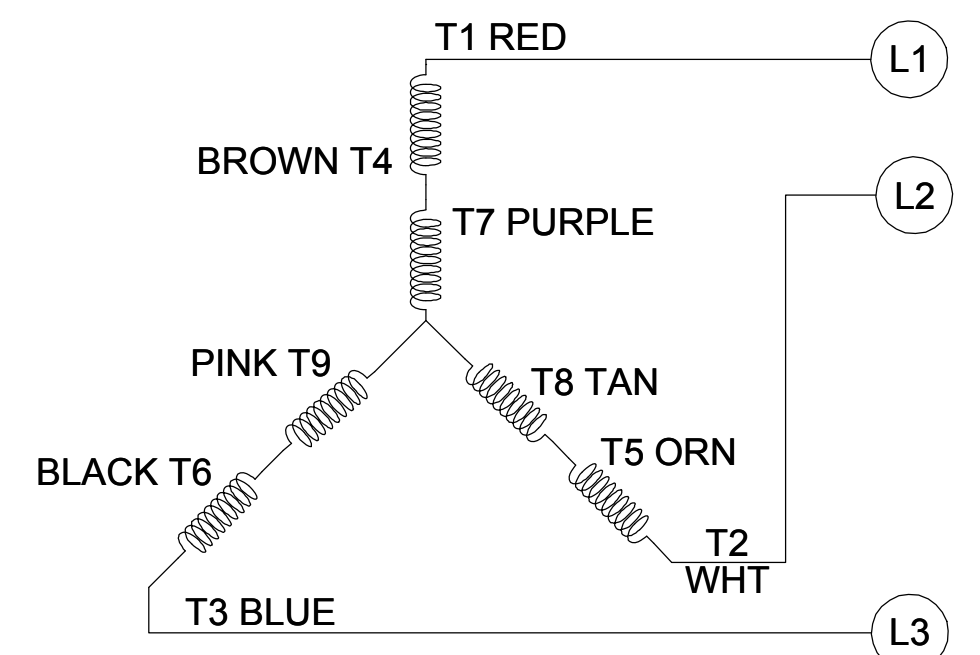
001

CCW LOW VOLTAGE



002

CCW HIGH VOLTAGE

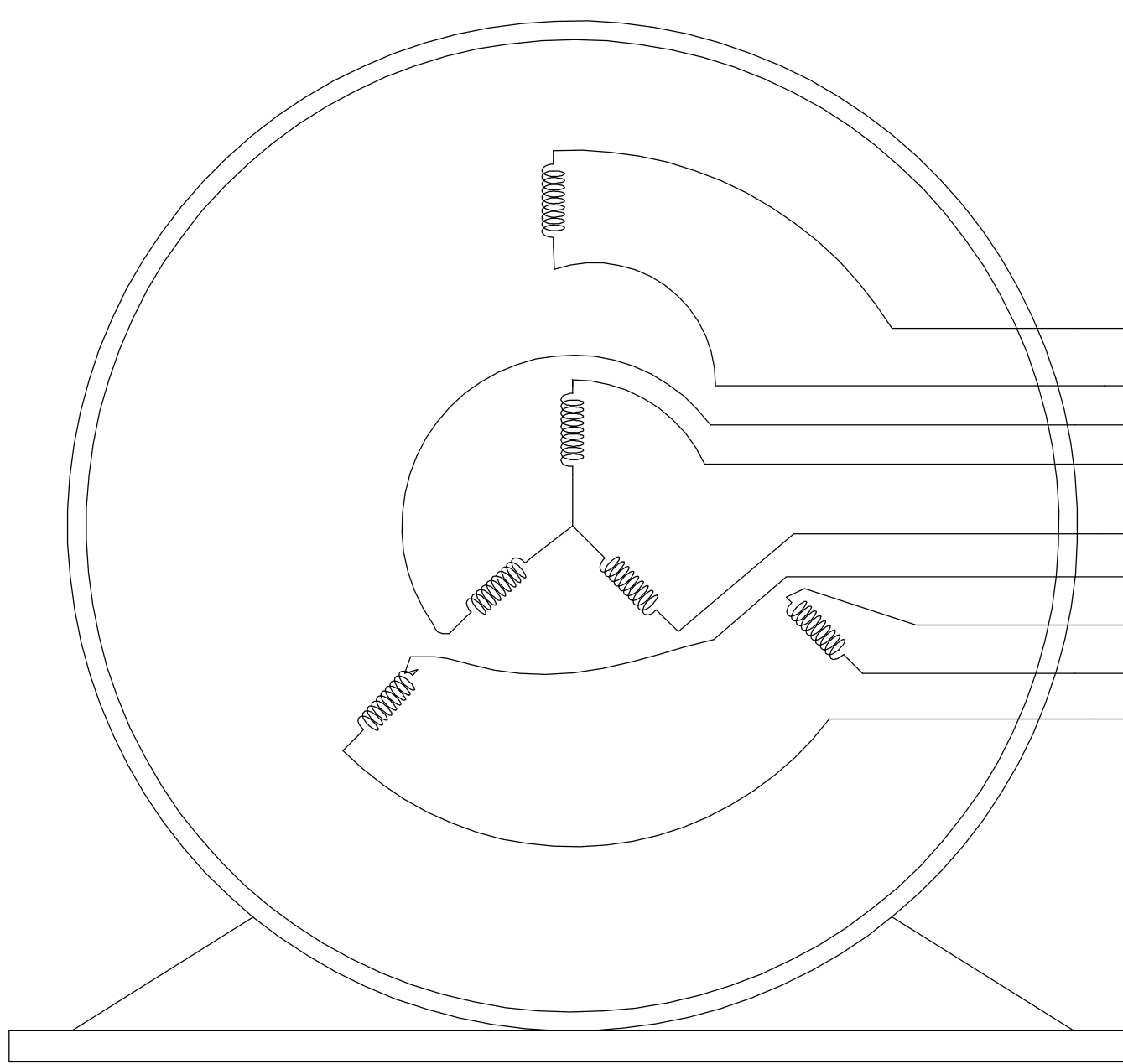


B

B

A

A



- T1 RED
- T4 BROWN
- T9 PINK
- T7 PURPLE
- T8 TAN
- T6 BLACK
- T5 ORANGE
- T2 WHITE
- T3 BLUE

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

DRAWING REVISION D	REVISION BY SHESHI	DATE 01/11/2019
ECO ECO-0159881	APPROVED BY CD	DATE 01/11/2019
ECO DESCRIPTION ADDED DD10199-001		
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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 SHOWN IN [BRACKETS]			

DRAWN BY G. RODRIGUEZ	DATE 12-01-2017
APPROVED BY J. A. MORENO	DATE 12-01-2017
REFERENCE CDTD103	
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.	
DESCRIPTION CONN DIAGRAM-EXTERNAL	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER CDTD127
SHEET 1 OF 1	

4

3

2

1