

# PRODUCT INFORMATION PACKET



Model No: 056T11F15540

Catalog No: FX12BK006

FLEX-IN-1™ General Purpose Motor, 0.50 & 0.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,  
1200 & 1000 RPM, 56C Frame, TEFC

**Operational at 208-230/460 V @60HZ**



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**Nameplate Specifications**

Phase	<b>3</b>	Output HP	<b>0.50 &amp; 0.50 Hp</b>
Output KW	<b>0.37 &amp; 0.37 kW</b>	Voltage	<b>230/460 &amp; 190/380 V</b>
Speed	<b>1140 &amp; 950 rpm</b>	Service Factor	<b>1.15 &amp; 1.00</b>
Frame	<b>56C</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>72 &amp; 68 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>2.1/1.05 &amp; 2.2/1.1 A</b>	Power Factor	<b>61.5</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>J</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>43</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>6</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>51.8 Ohms</b>	Mounting	<b>Bolt-on Base</b>
Motor Orientation	<b>Horizontal Or Up Or Down</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 F2/F3 CAPABLE</b>	Inverter Load	<b>CONSTANT 10:1</b>
Connection Drawing	<b>CDTD127</b>	Outline Drawing	<b>OL56100853-001</b>

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:07/29/2025

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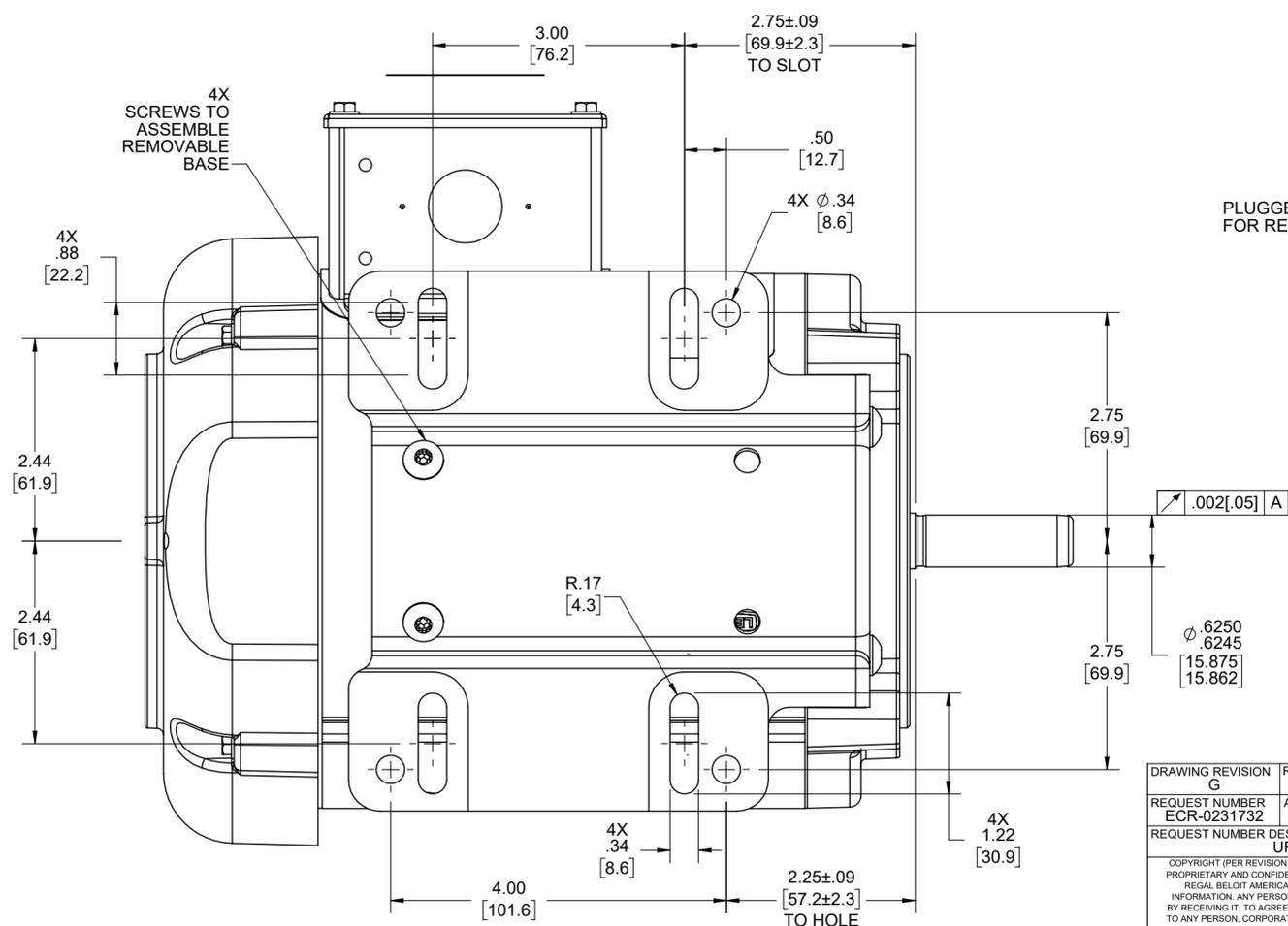
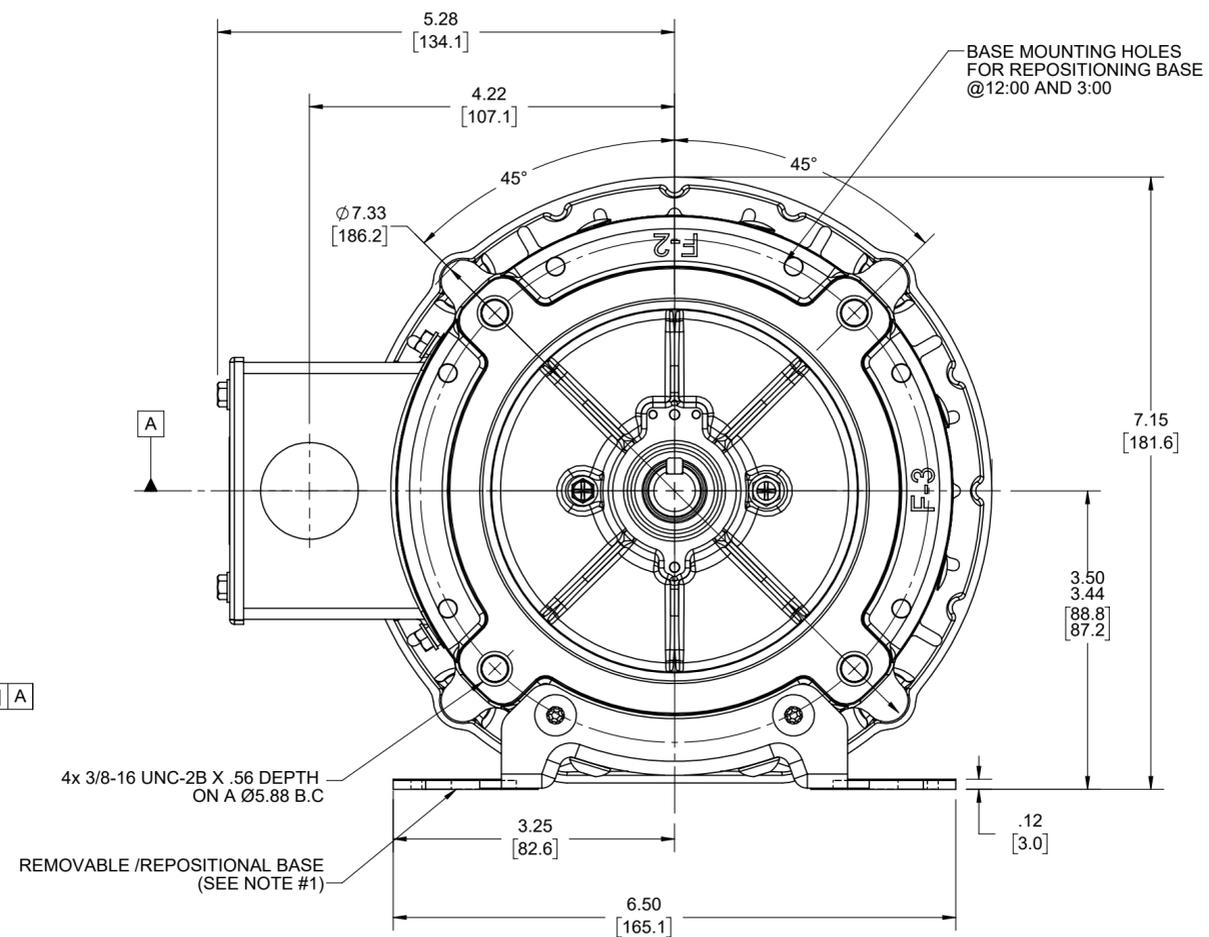
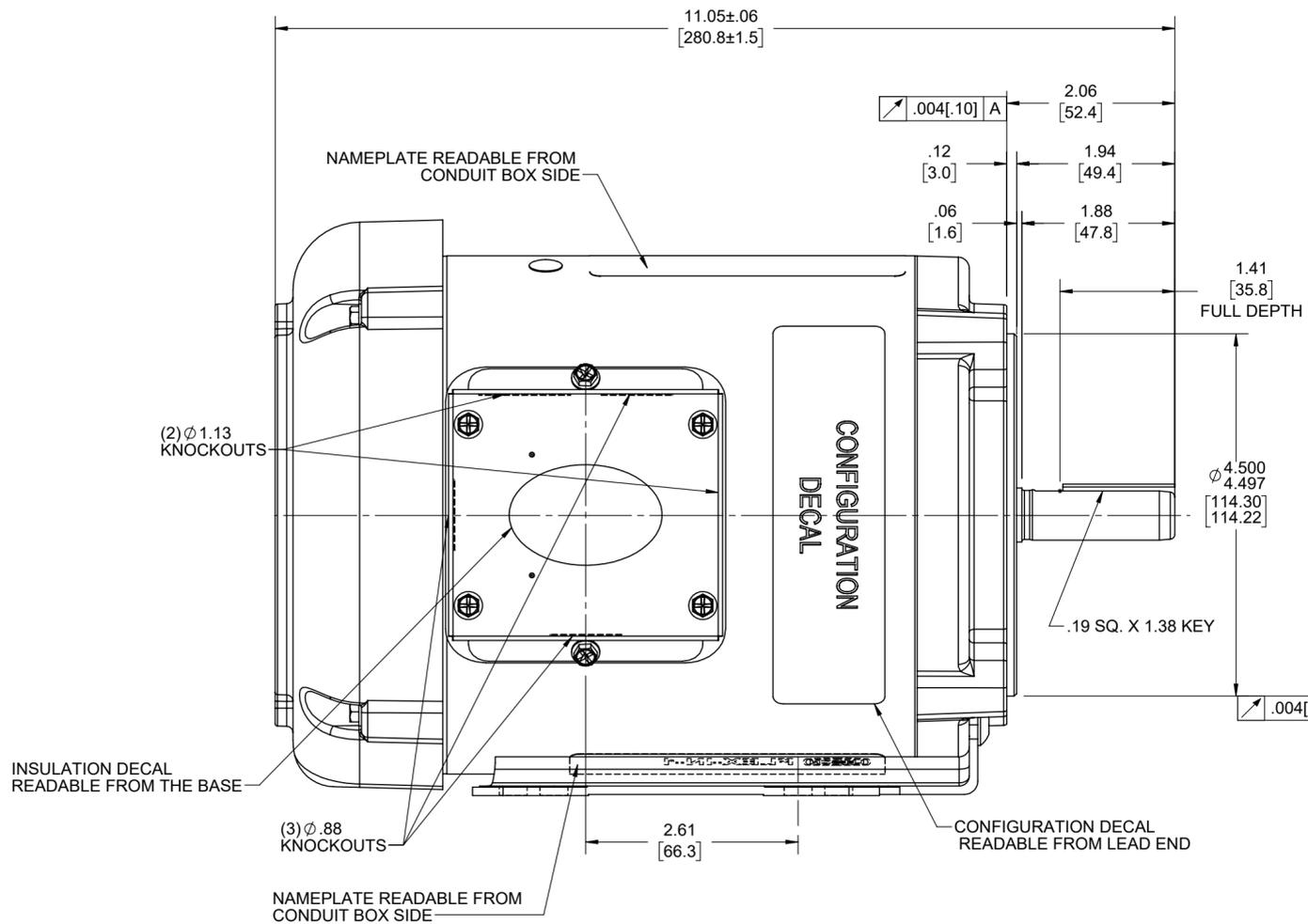
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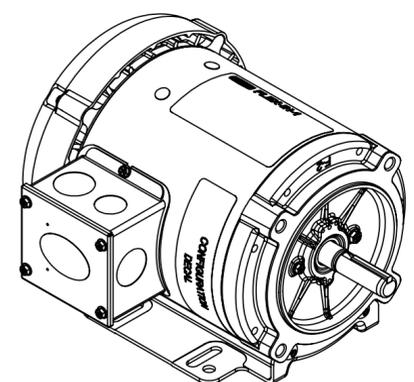
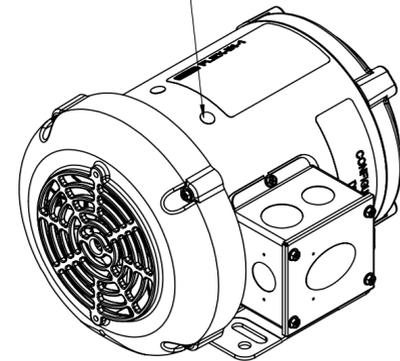
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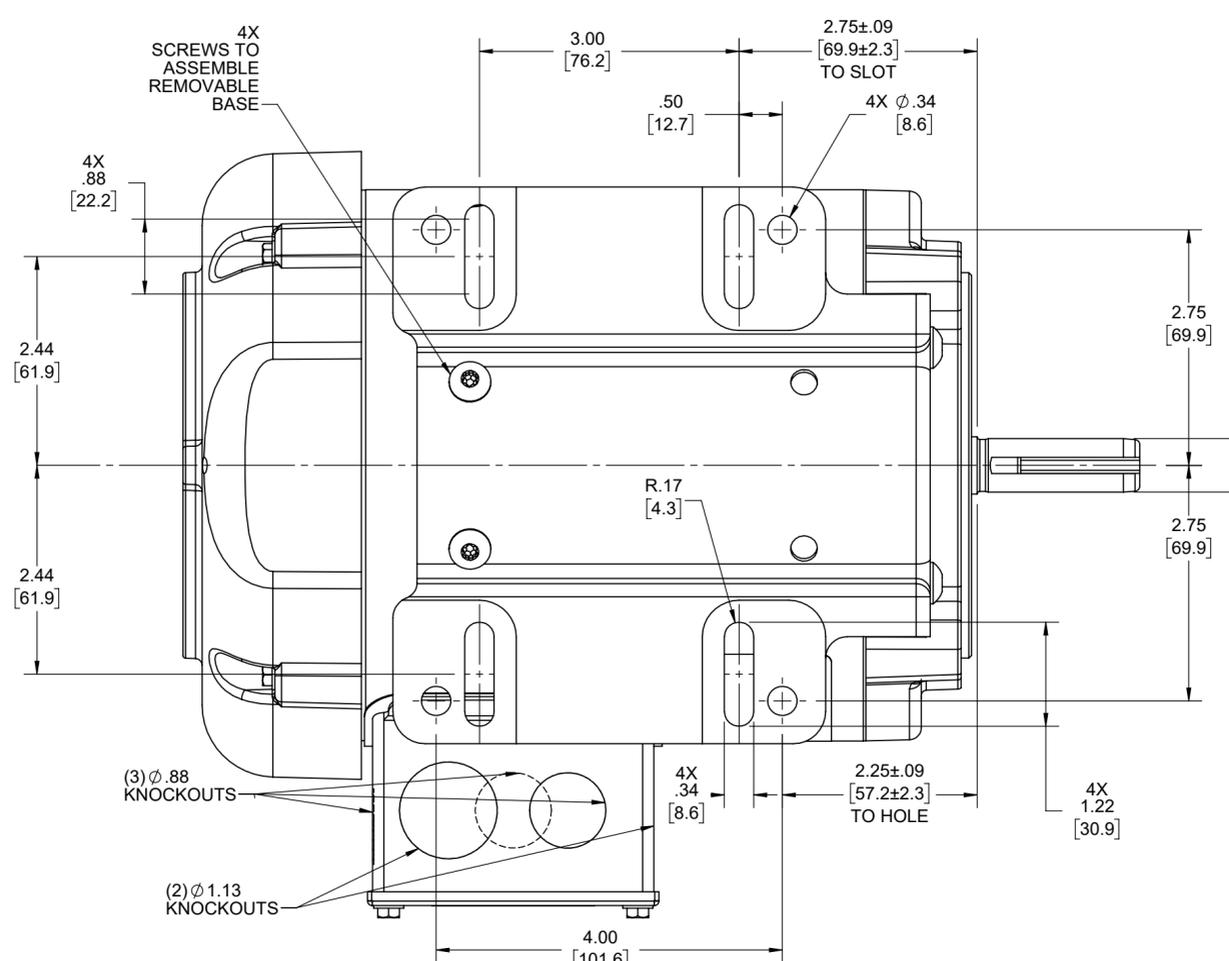
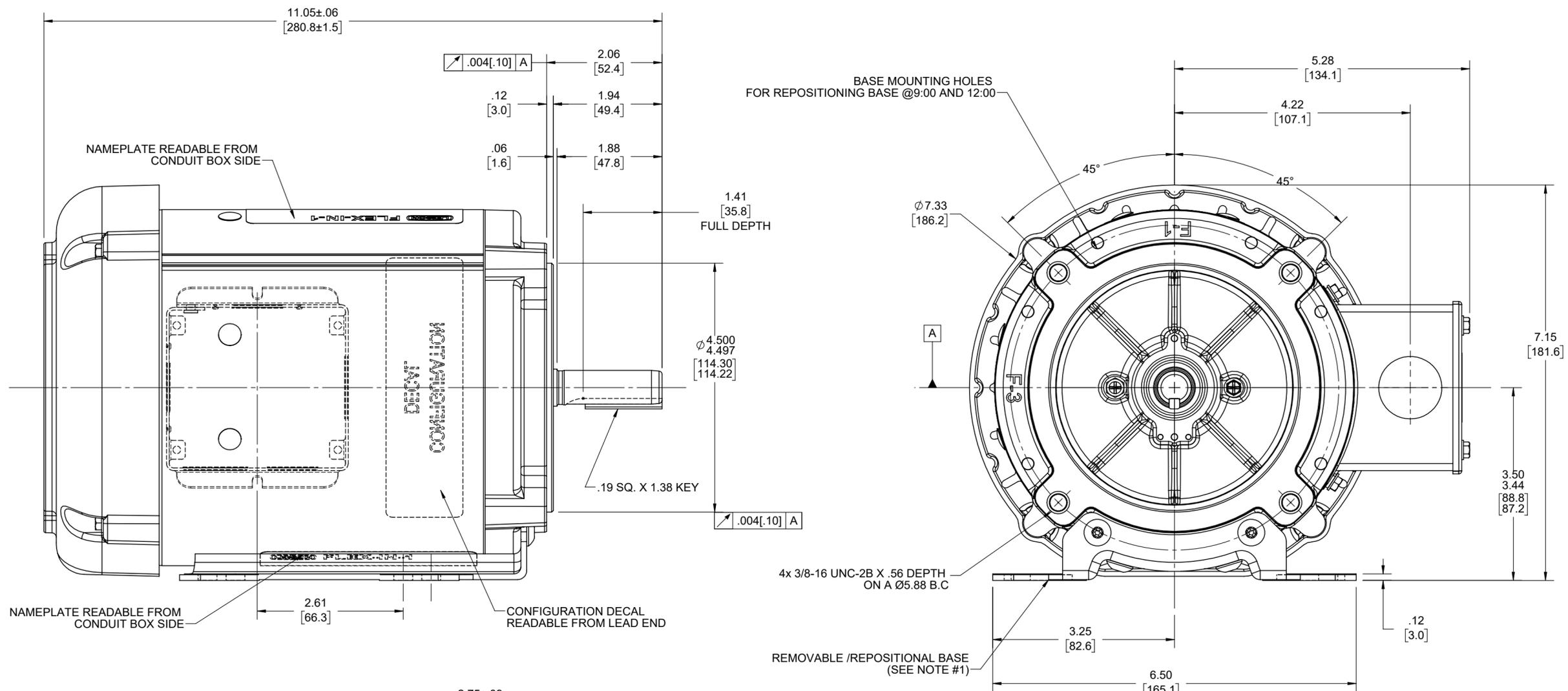


PLUGGED BASE MOUNTING HOLES FOR REPOSITIONING BASE @12:00 OR 3:00



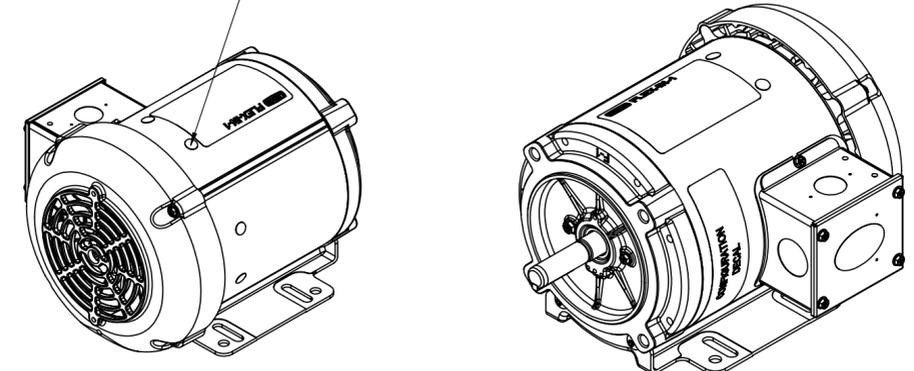
- NOTES:
- 1) REMOVABLE / REPOSITIONAL BASE CAN BE REMOVED FOR C-FACE MOUNTING OR REPOSITIONED TO 12:00 OR 3:00 FACING SHAFT END OF MOTOR FOR NEMA F-2 OR F-3 CONDUIT BOX LOCATION.
  - 2) KEY TO BE SHIPPED IN BAG WITH HOLE PLUGS AND BASE MOUNTING INSTRUCTION SHEET.

DRAWING REVISION G	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 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 /mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DATE 07/29/2022	
REQUEST NUMBER DESCRIPTION UPDATED AS PER ECR				APPROVED BY SN	MATERIAL
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				REFERENCE	
				THIRD ANGLE PROJECTION	SIZE C
				DRAWING NUMBER OL56100853-001	SHEET 1 OF 3

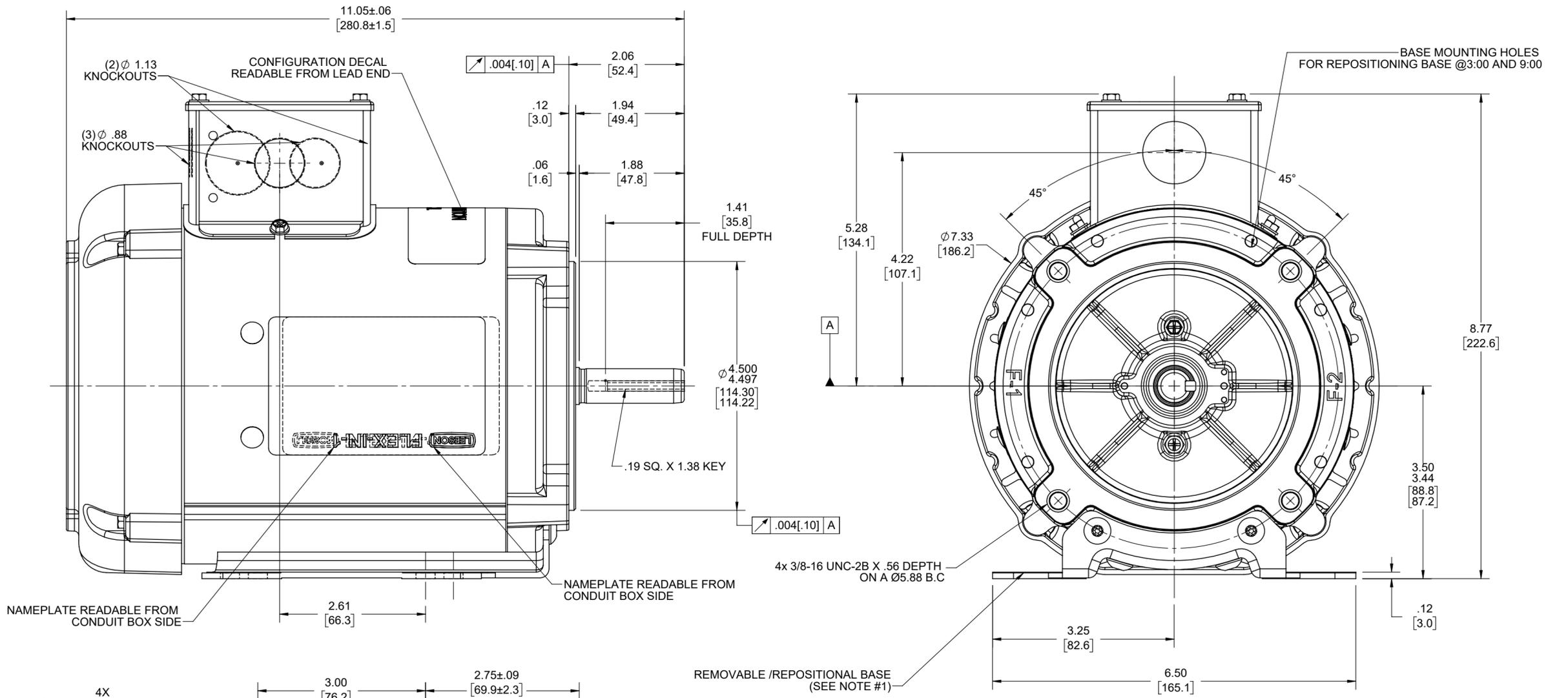


- NOTES:
- 1) REMOVABLE / REPOSITIONAL BASE CAN BE REMOVED FOR C-FACE MOUNTING OR REPOSITIONED TO 12:00 OR 3:00 FACING SHAFT END OF MOTOR FOR NEMA F-2 OR F-3 CONDUIT BOX LOCATION.
  - 2) KEY TO BE SHIPPED IN BAG WITH HOLE PLUGS AND BASE MOUNTING INSTRUCTION SHEET.

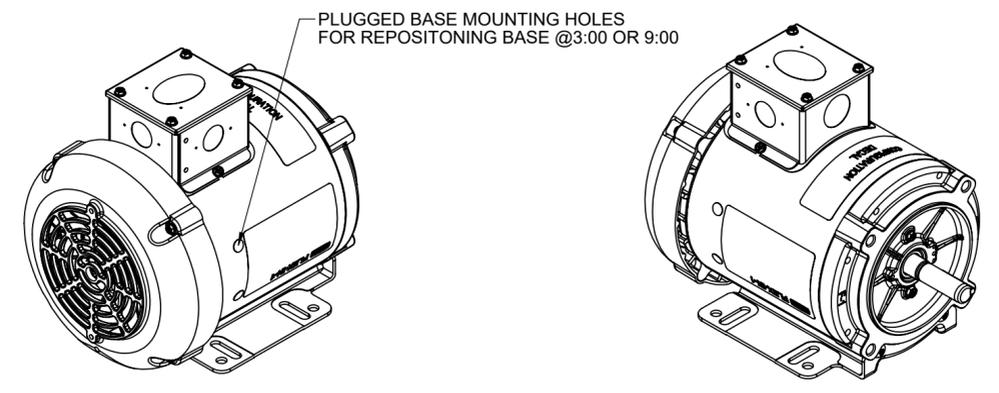
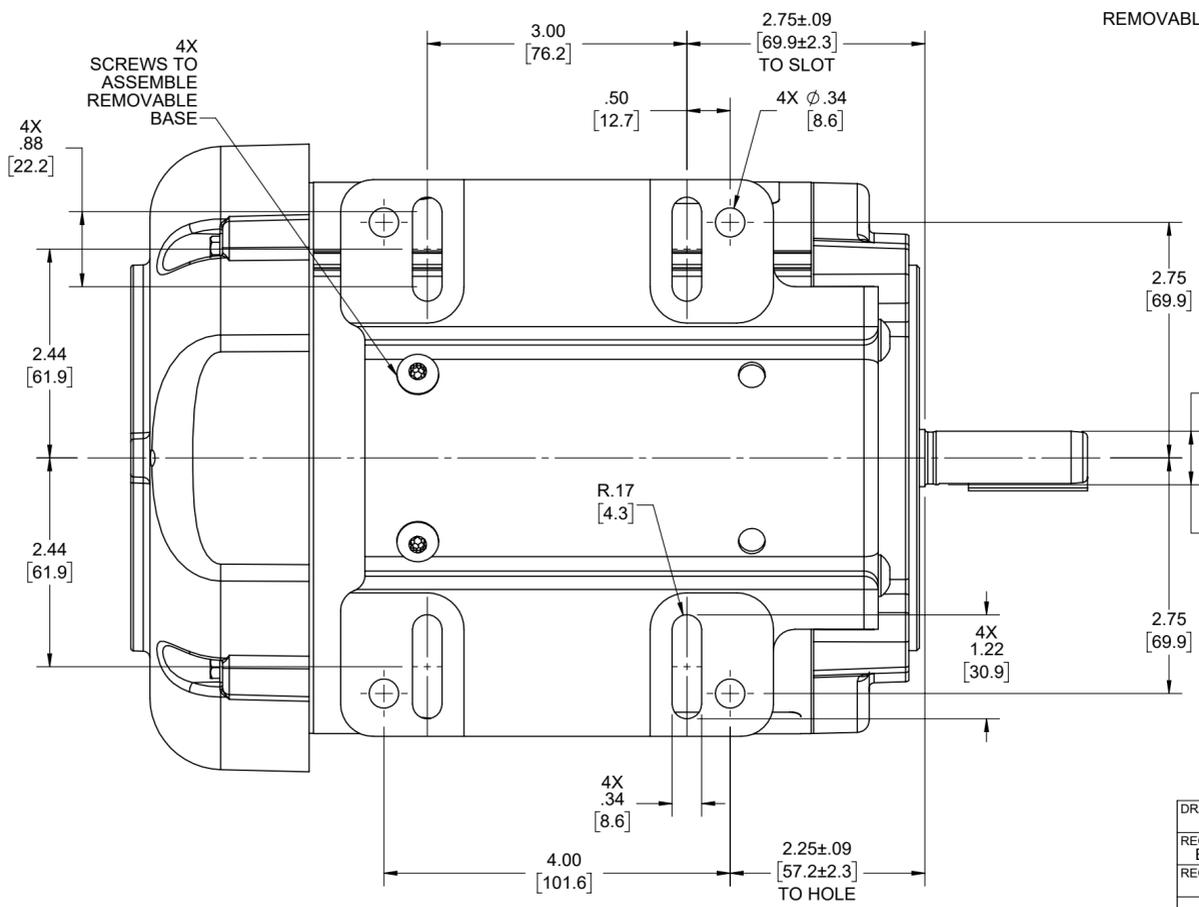
PLUGGED BASE MOUNTING HOLES FOR REPOSITIONING BASE @9:00 OR 12:00



DRAWING REVISION G	REVISION BY M.P	REV DATE/@ DATE 03/04/2024	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE		DRAWN BY PRASHANTH	Regal Beloit America, Inc.
REQUEST NUMBER ECR-0231732	APPROVED BY P.V.R	DATE 03/04/2024	.X ±0.1 [±3]	±0.5°	DATE 07/29/2022	
REQUEST NUMBER DESCRIPTION UPDATED AS PER ECR			.XX ±0.02 [±0.5]		APPROVED BY SN	DESCRIPTION <b>OUTLINE</b>
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			.XXXX ±0.0005 [±0.013]		REFERENCE	PROCESS/FINISH
			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [ .08/.38] X 45°		THIRD ANGLE PROJECTION	DRAWING NUMBER OL56100853-001
			CORNER FILLETS: R.02 [ .5]		SIZE C	SHEET 2 OF 3
			MACHINED SURFACES: .125 / mm 3.2 / INCH			



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DRAWING REVISION G	REVISION BY M.P	REV DATE/@ DATE 03/04/2024	TOLERANCES (EXCEPT AS NOTED):		DRAWN BY PRASHANTH	Regal Beloit America, Inc.
REQUEST NUMBER ECR-0231732	APPROVED BY P.V.R	DATE 03/04/2024	DEC. .X ±0.1 [±3]	INCH .XX ±0.02 [±0.5]	DATE 07/29/2022	
REQUEST NUMBER DESCRIPTION UPDATED AS PER ECR			.XXX ±0.005 [±0.13]	mm .XXX ±0.005 [±0.13]	APPROVED BY SN	DESCRIPTION OUTLINE
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			MACHINED SURFACES: .125 /mm 3.2 /mm		REFERENCE	PROCESS/FINISH
			mm DIMENSIONS IN [BRACKETS] INCH /mm		THIRD ANGLE PROJECTION	SIZE C
			ARE FOR REFERENCE ONLY		DRAWING NUMBER OL56100853-001	SHEET 3 OF 3

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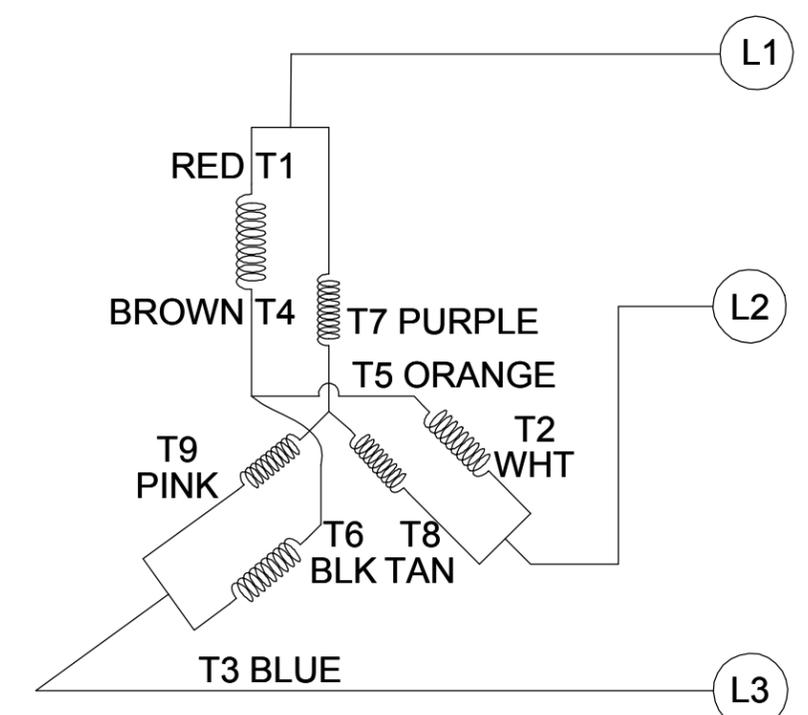
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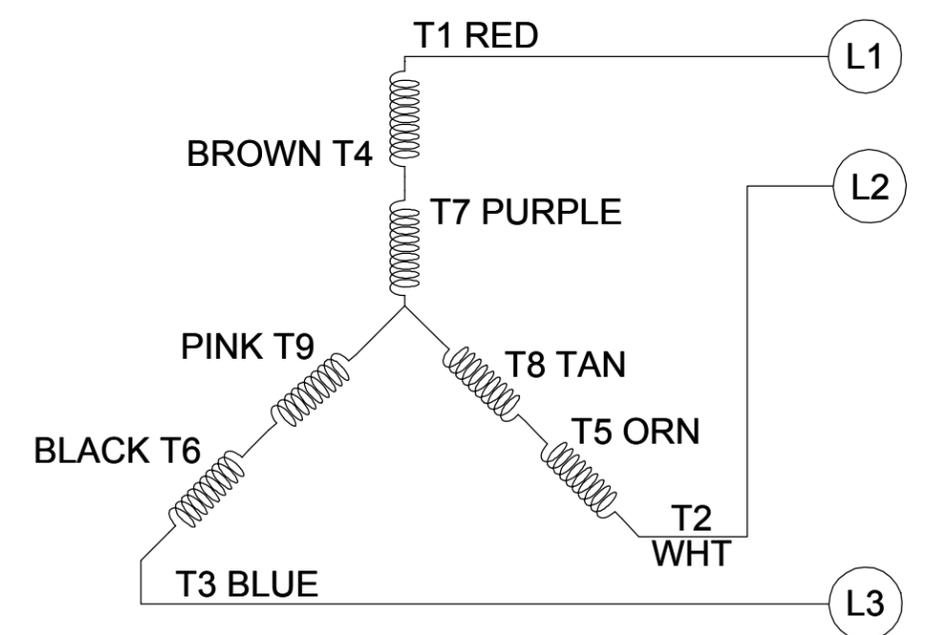
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CCW LOW VOLTAGE



002

CCW HIGH VOLTAGE

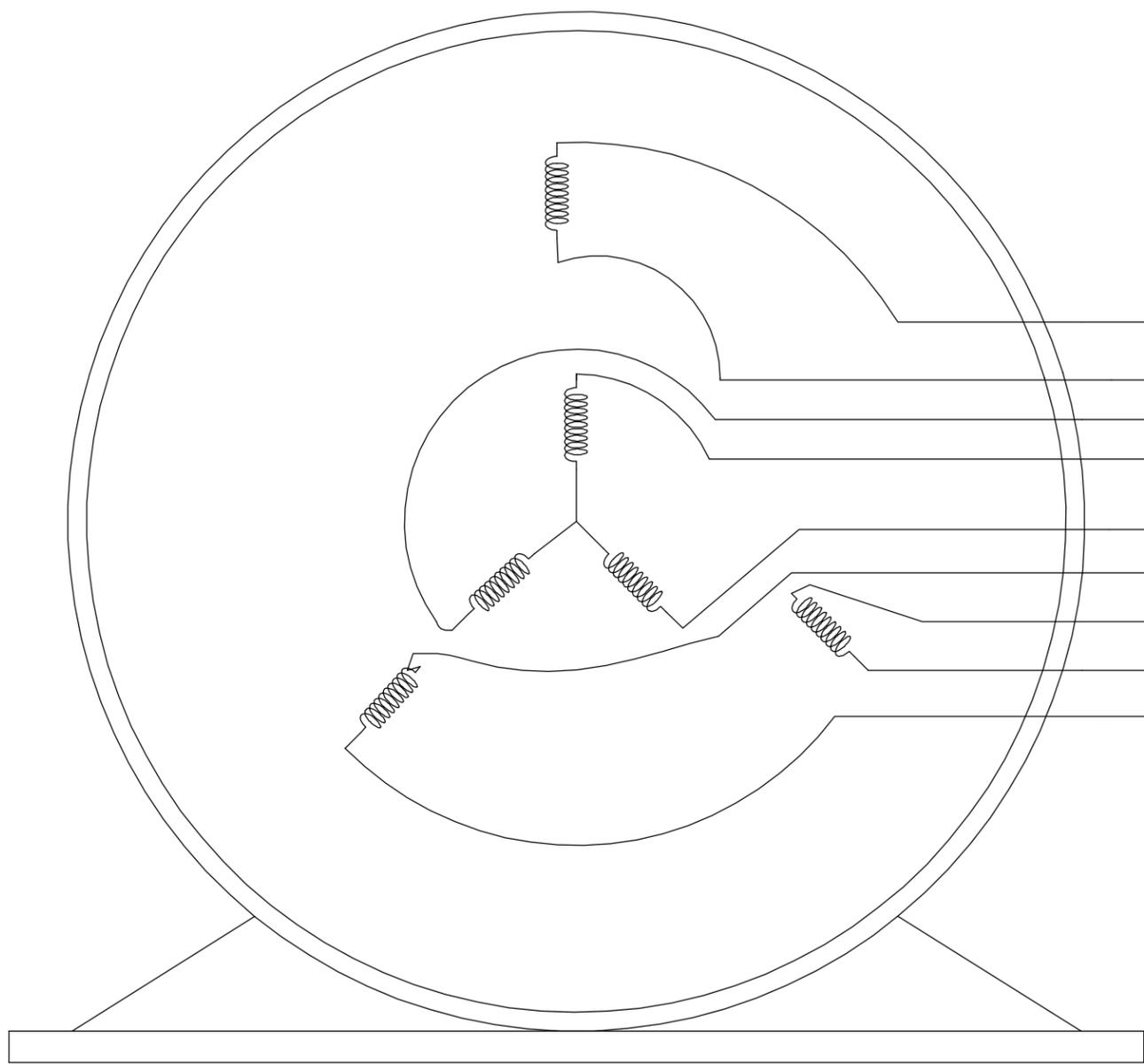


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- T1 RED
- T4 BROWN
- T9 PINK
- T7 PURPLE
- T8 TAN
- T6 BLACK
- T5 ORANGE
- T2 WHITE
- T3 BLUE

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

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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 : 056T11F15540

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

Catalog No : FX12BK006

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**