

PRODUCT INFORMATION PACKET



Model No: 056T17F15946

Catalog No: 056T17F15946

FLEX-IN-1™ General Purpose Motor, 1.50 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 56HC Frame, TEFC



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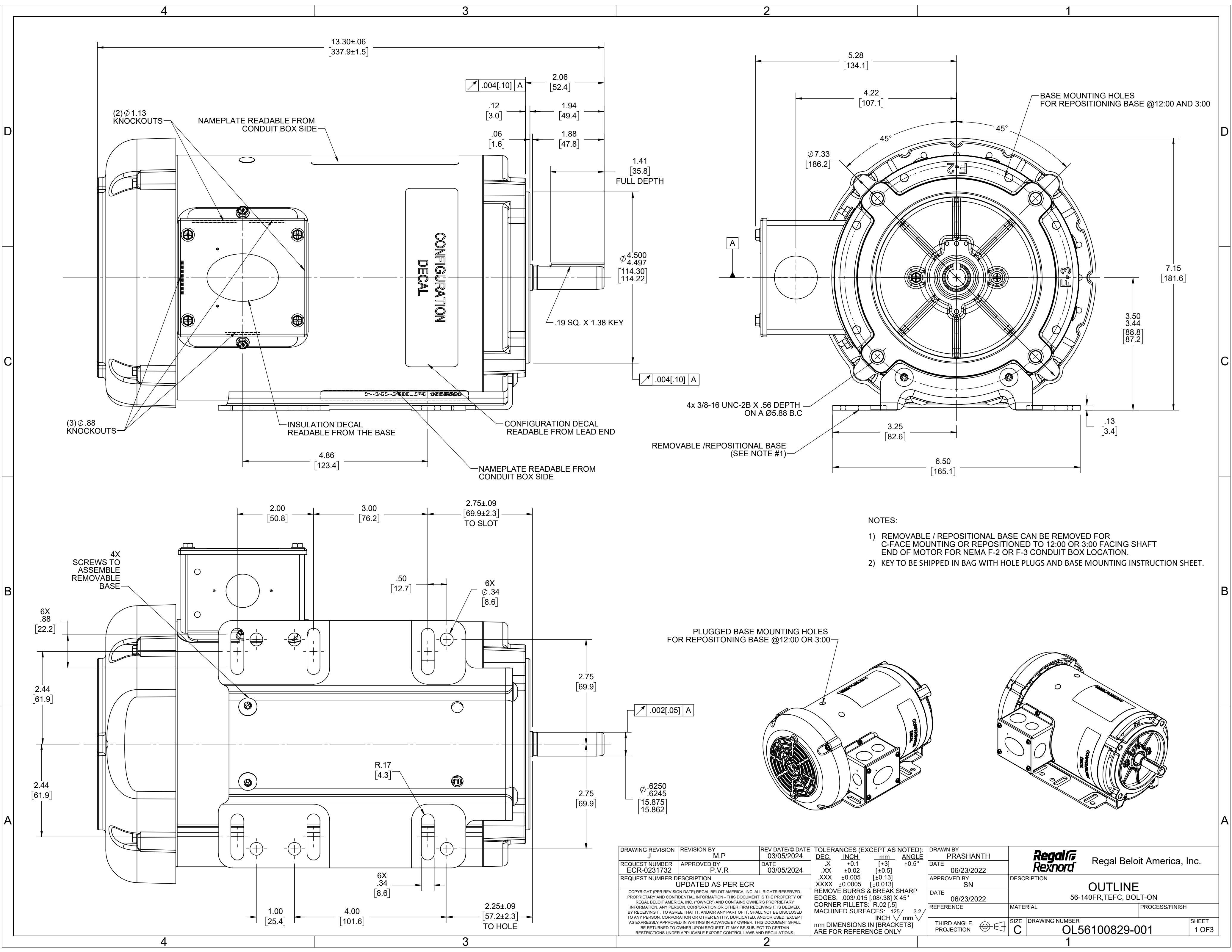
Nameplate Specifications

Phase	3	Output HP	1.50 Hp
Output KW	1.1 kW	Voltage	575 V
Speed	1725 rpm	Service Factor	1.15
Frame	56HC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	86.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	1.9 A	Power Factor	71
Duty	Continuous	Insulation Class	F
Design Code	A	KVA Code	P
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

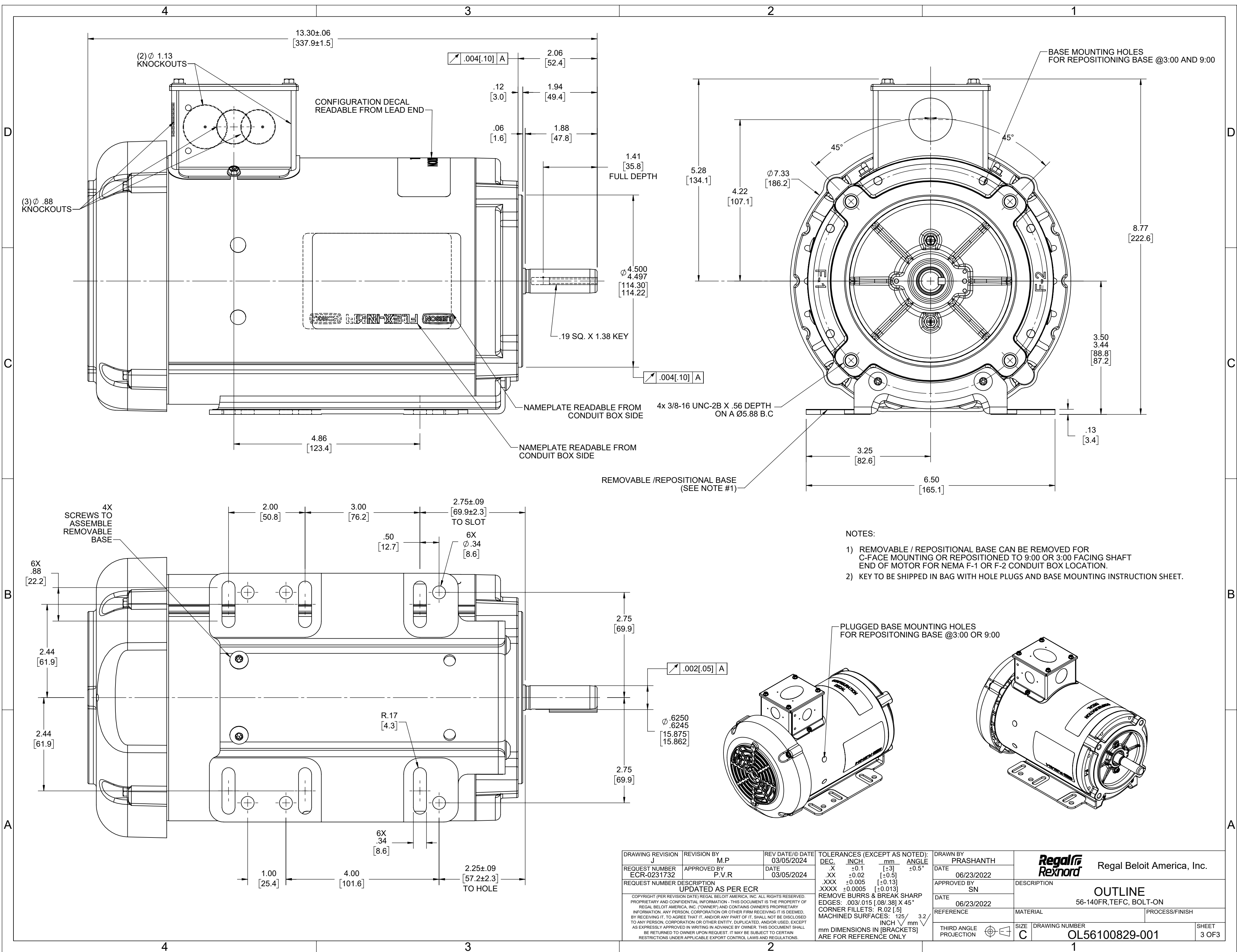
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	7.9 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	CDTS141	Outline Drawing	OL56100829-001

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DRAWING REVISION J	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] 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	DRAWN BY PRASHANTH	 Regal Beloit America, Inc.
REQUEST NUMBER ECR-0231732	APPROVED BY P.V.R	DATE 03/05/2024		DATE 06/23/2022	
REQUEST NUMBER DESCRIPTION UPDATED AS PER ECR				APPROVED BY SN	
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				REFERENCE	
				THIRD ANGLE PROJECTION	
				SIZE C	
				DRAWING NUMBER OL56100829-001	
				PROCESS/FINISH	
				SHEET 1 OF 3	



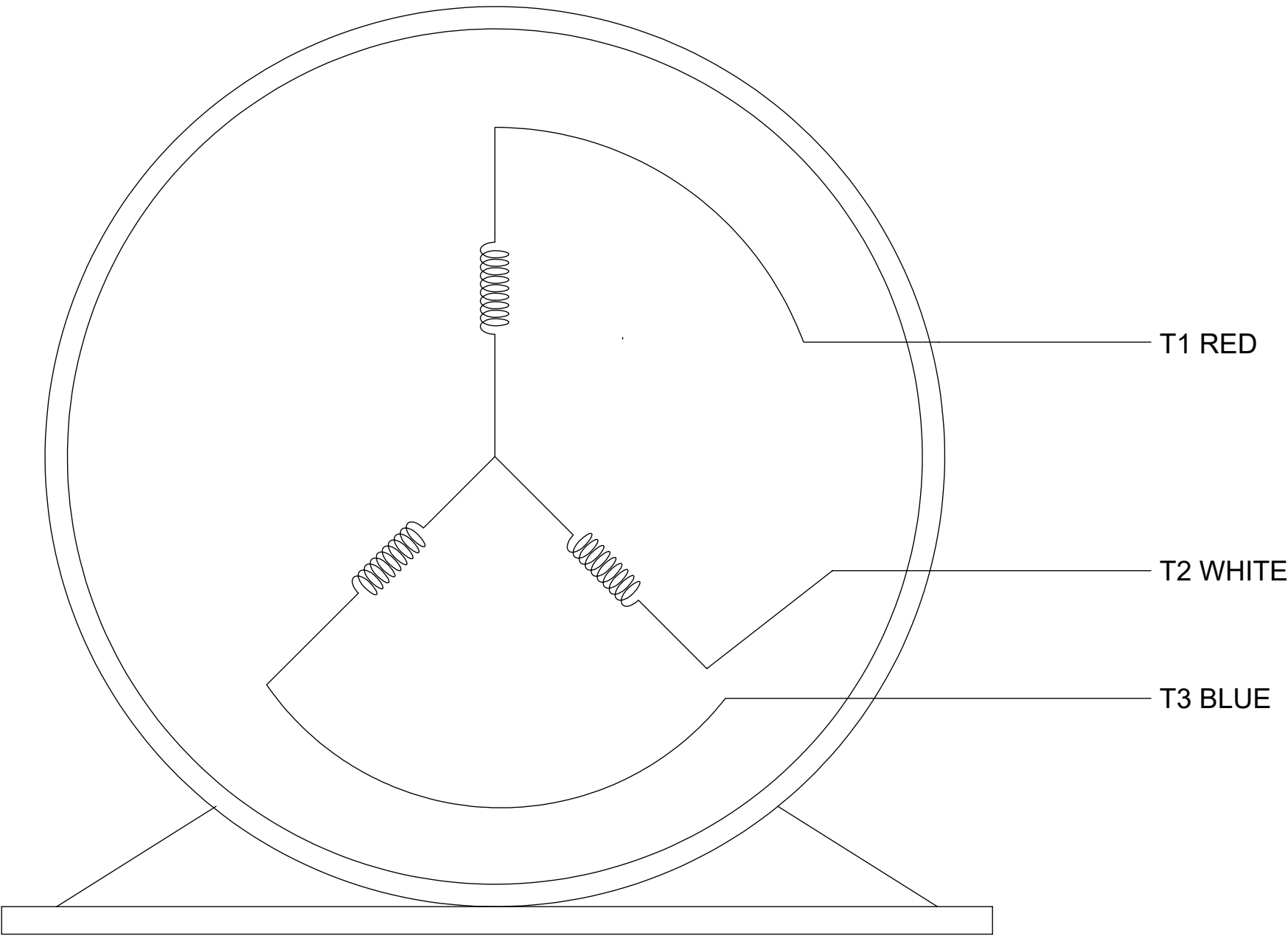
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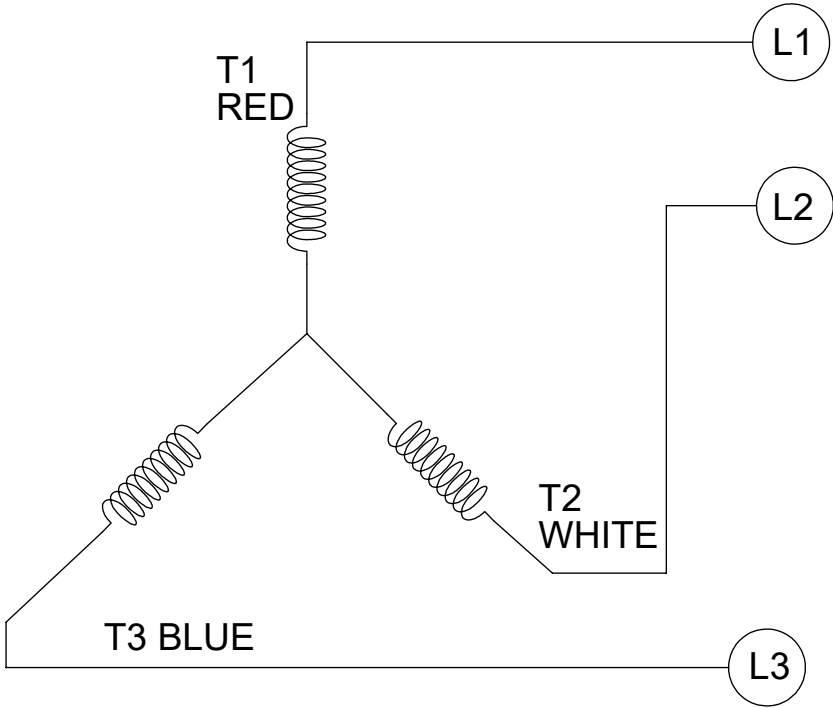
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SINGLE VOLTAGE-THREE PHASE WITHOUT PROTECTOR



VIEW OF TERMINAL END

CCW-SINGLE VOLTAGE



NOTES:

1. TO REVERSE ROTATION, INTERCHANGE ANY TWO LINE CONNECTIONS TO L1, L2, OR L3.
2. CONNECTION DIAGRAM-NAMEPLATE DD10213-001

DRAWING REVISION B	REVISION BY PRASHANTH	REV DATE/© DATE 06/22/2022	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±0.5° .XX ±0.01 [±0.3] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 125/ 3.2/ INCH mm mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY				DRAWN BY SHESHI		 Regal Beloit America, Inc.		
REQUEST NUMBER NMR-0213855	APPROVED BY BHARGAVI	DATE 06/22/2022					DATE 03/07/2019				
REQUEST NUMBER DESCRIPTION CHANGED NOTES FROM LOW TO SINGLE VOLTAGE 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.							APPROVED BY BHARGAVI		DESCRIPTION CONN DIAGRAM-EXTERNAL		
							DATE 03/07/2019				
							REFERENCE CDTS139		MATERIAL		PROCESS/FINISH
THIRD ANGLE PROJECTION 		SIZE B					DRAWING NUMBER CDTS141			SHEET 1 OF 1	

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 : 056T17F15946

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

Catalog No : FX32FK003

Rework No : N/A

Directives :

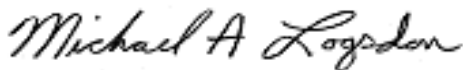
Low Voltage Directive 2014/35/EU

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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