

PRODUCT INFORMATION PACKET



Model No: 056T17D15849

Catalog No: 056T17D15849

FLEX-IN-1™ General Purpose Motor, 2 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 56HC Frame, DP



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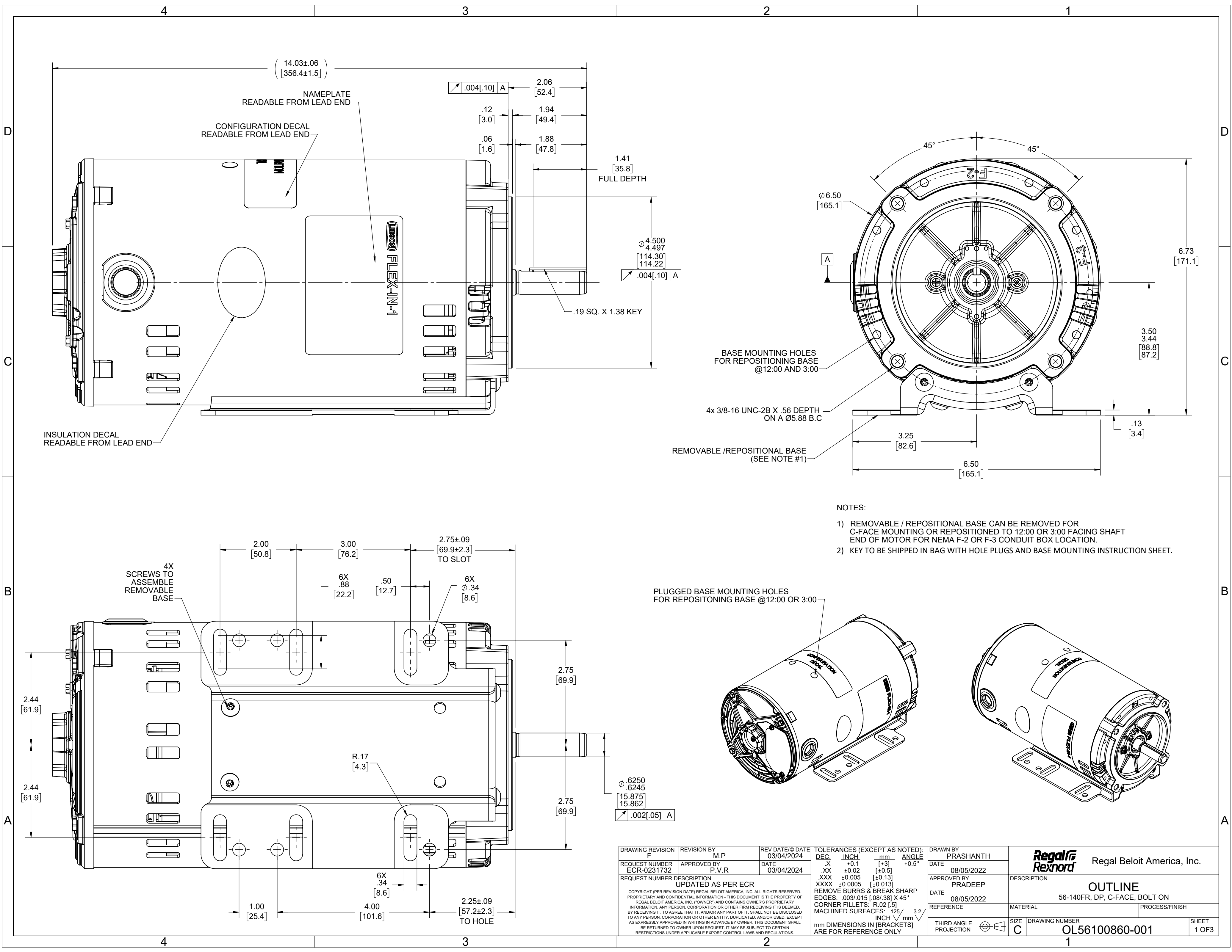
Nameplate Specifications

Phase	3	Output HP	2 Hp
Output KW	1.5 kW	Voltage	575 V
Speed	1725 rpm	Service Factor	1.15
Frame	56HC	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	86.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	2.4 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		

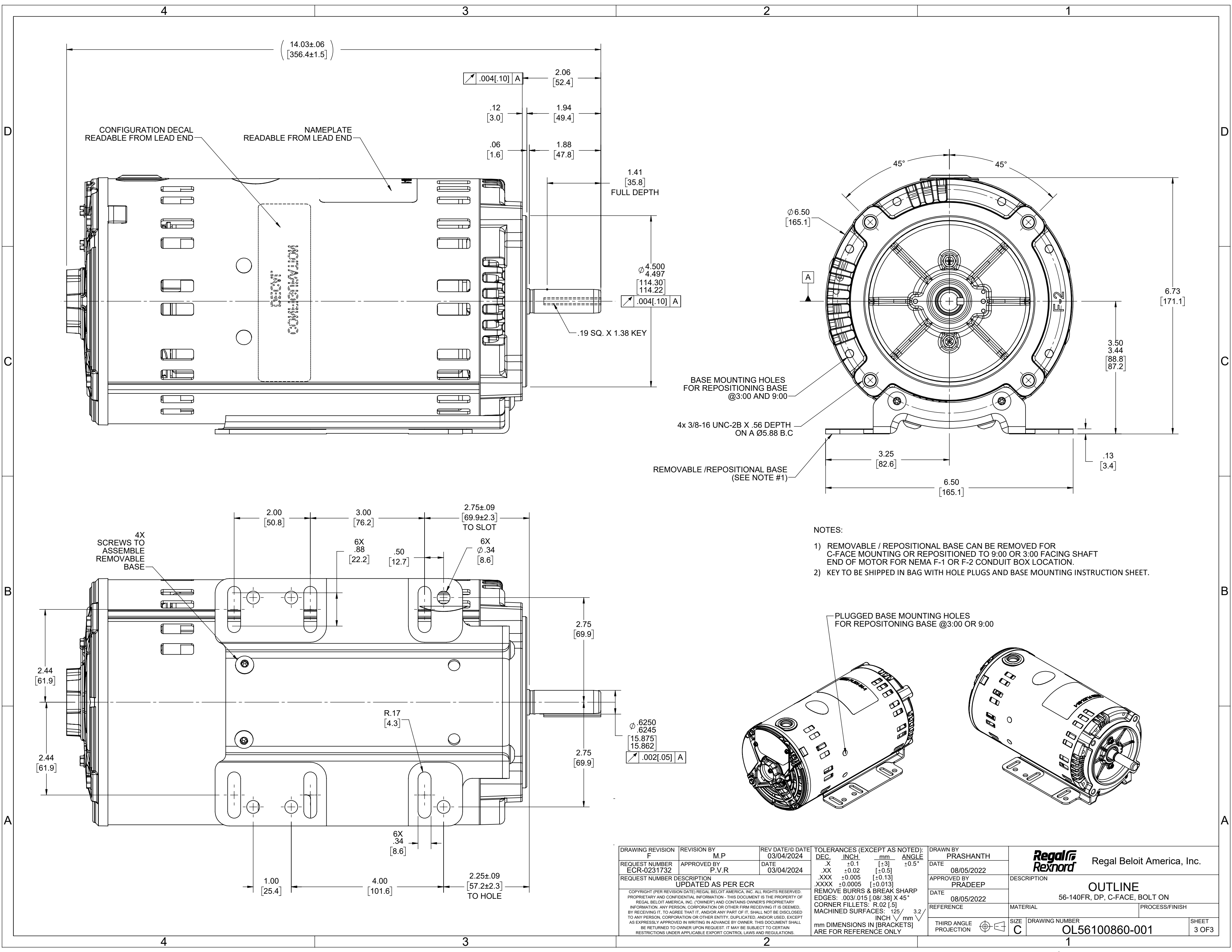
Technical Specifications

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	CDTS141	Outline Drawing	OL56100860-001

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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] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: .125 INCH 3.2 mm 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 03/04/2024		DATE 08/05/2022	
REQUEST NUMBER DESCRIPTION UPDATED AS PER ECR				APPROVED BY PRADEEP	
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				REFERENCE	MATERIAL
				THIRD ANGLE PROJECTION	PROCESS/FINISH
				SIZE C	DRAWING NUMBER OL56100860-001
					SHEET 1 OF 3



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 PRASHANTH		Regal Beloit America, Inc.
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REQUEST NUMBER DESCRIPTION UPDATED AS PER ECR			THIRD ANGLE PROJECTION 		APPROVED BY PRADEEP	OUTLINE 56-140FR, DP, C-FACE, BOLT ON	PROCESS/FINISH
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					SIZE C	DRAWING NUMBER OL56100860-001	SHEET 3 OF 3

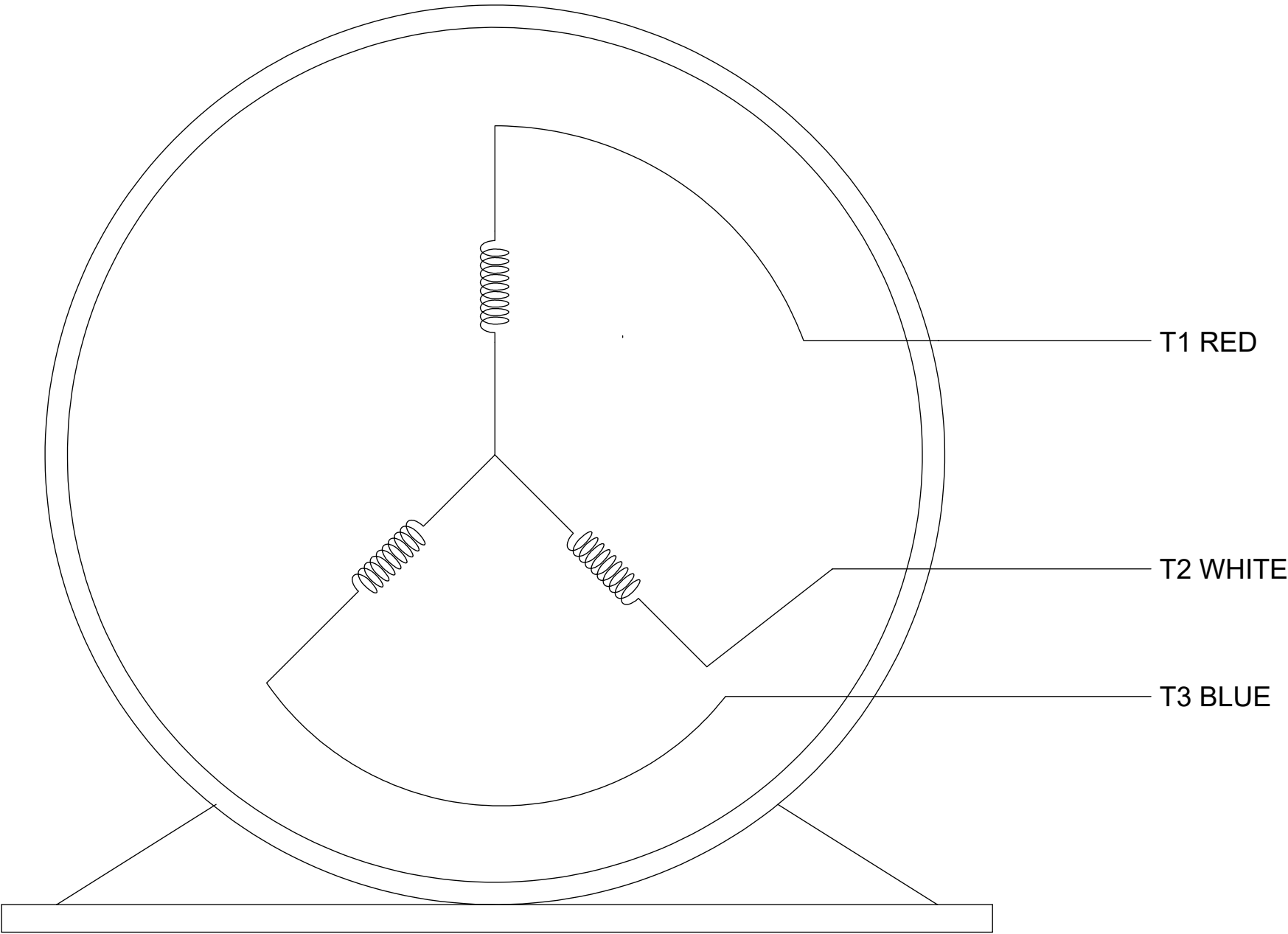
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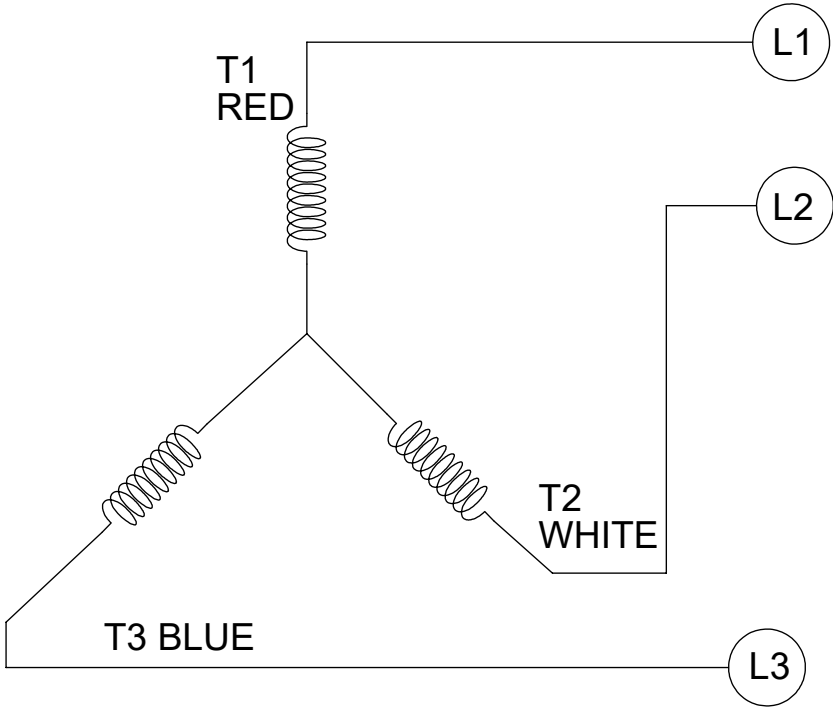
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SINGLE VOLTAGE-THREE PHASE WITHOUT PROTECTOR



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		RegalRexnord Regal Beloit America, Inc. CONN DIAGRAM-EXTERNAL									
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			

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 : 056T17D15849

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

Catalog No : FX02FK003

Rework No : N/A

Directives :

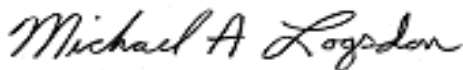
Low Voltage Directive 2014/35/EU

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