

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 056T17F15954

Catalog No: FX32BK004

FLEX-IN-1™ General Purpose Motor, 1.50 & 1.50 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V,
1800 & 1500 RPM, 56HC Frame, TEFC



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2024 Regal Rexnord Corporation, All Rights Reserved. MC017097E

RegalRexnord

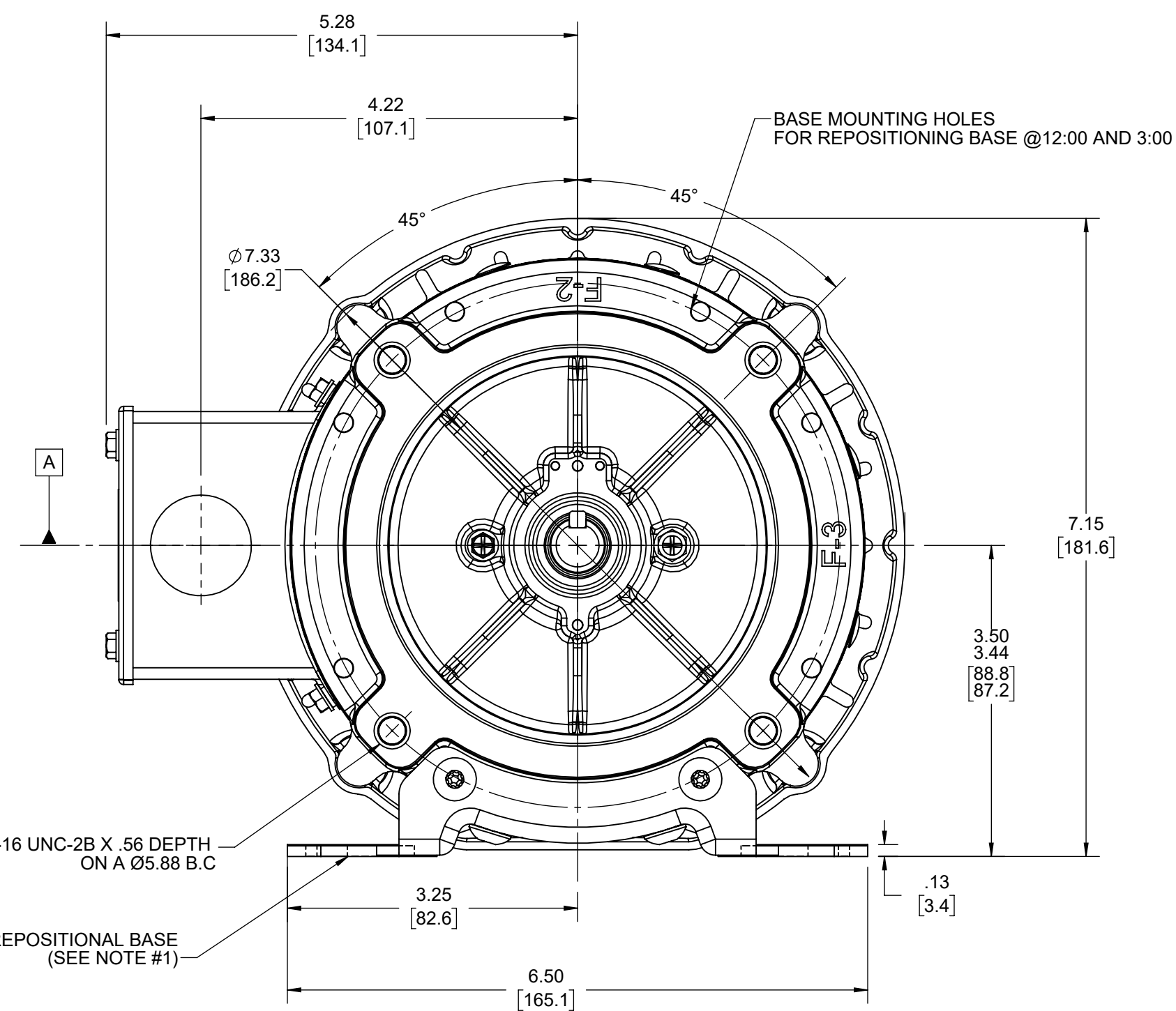
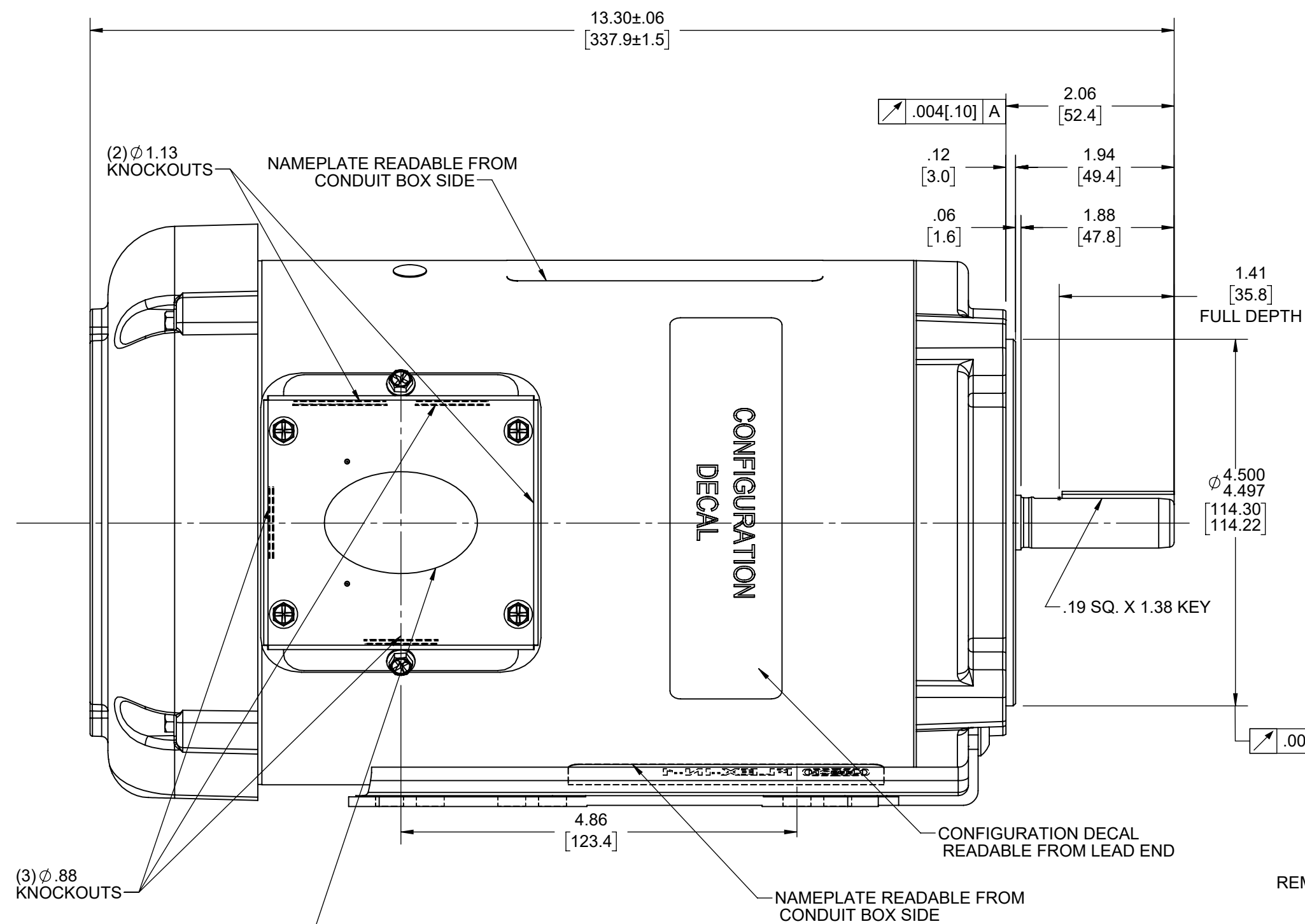
Nameplate Specifications

Phase	3	Output HP	1.50 & 1.50 Hp
Output KW	1.1 & 1.1 kW	Voltage	208-230/460 & 190/380 V
Speed	1725 & 1425 rpm	Service Factor	1.15 & 1.00
Frame	56HC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	86.5 & 85.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	4.7-4.6/2.3 & 5.4/2.7 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

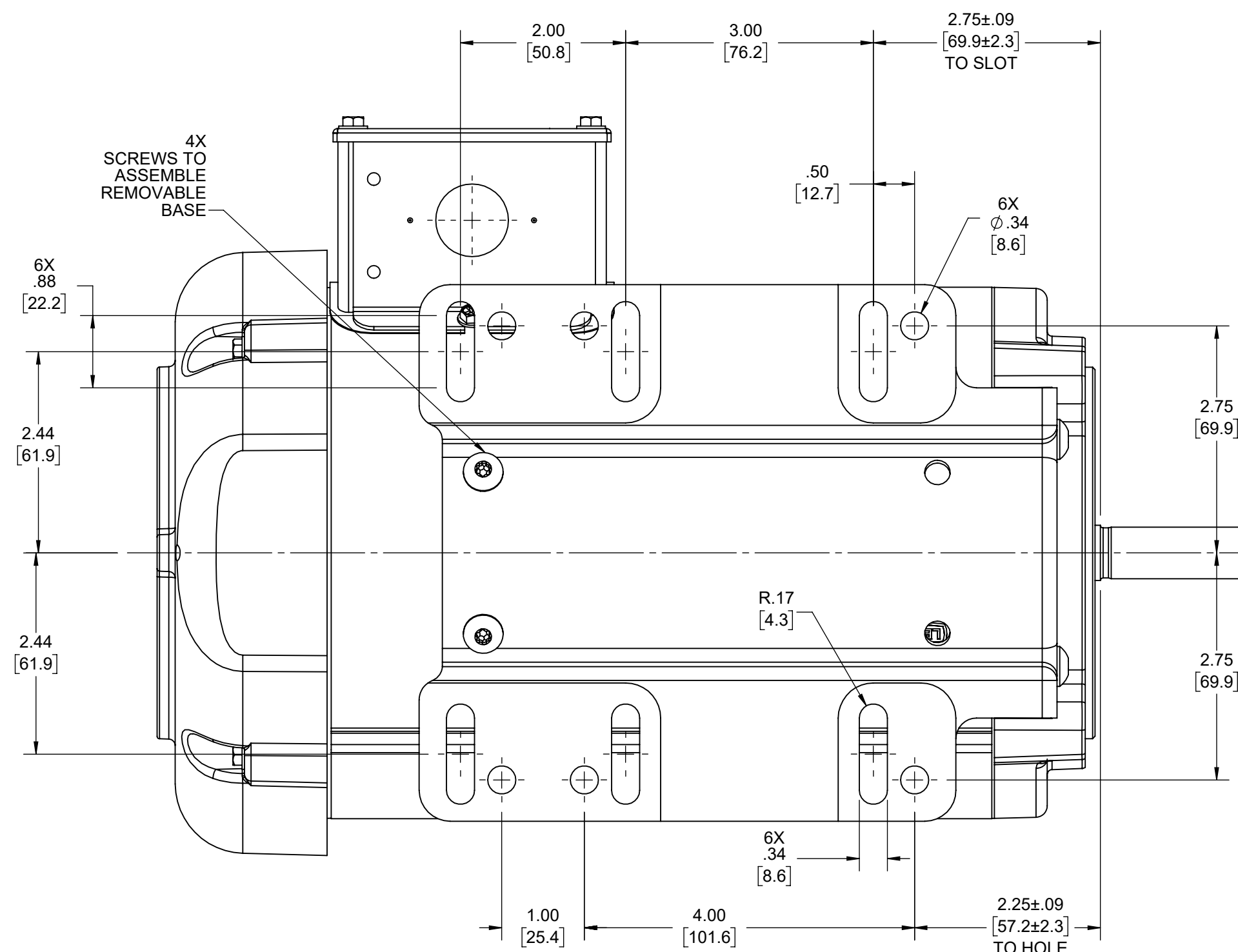
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	7.9 Ohms	Mounting	Bolt-on Base
Motor Orientation	Horizontal Or Up Or Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Shaft Diameter	0.625 in
Assembly/Box Mounting	F1 F2/F3 CAPABLE	Inverter Load	CONSTANT 10:1
Outline Drawing	OL56100828-001	Connection Drawing	CDTD127

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:05/16/2024

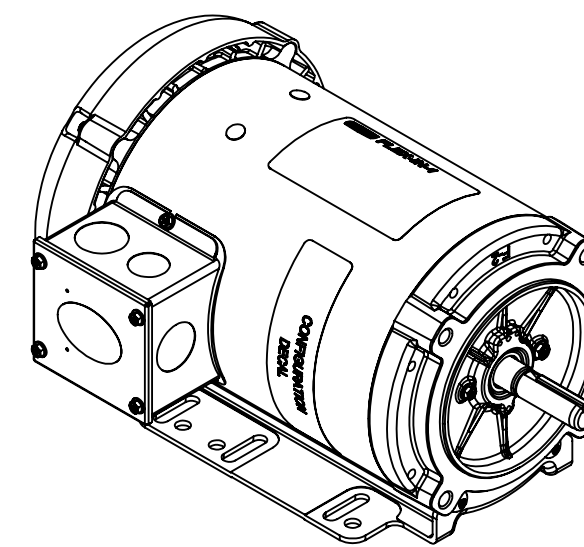
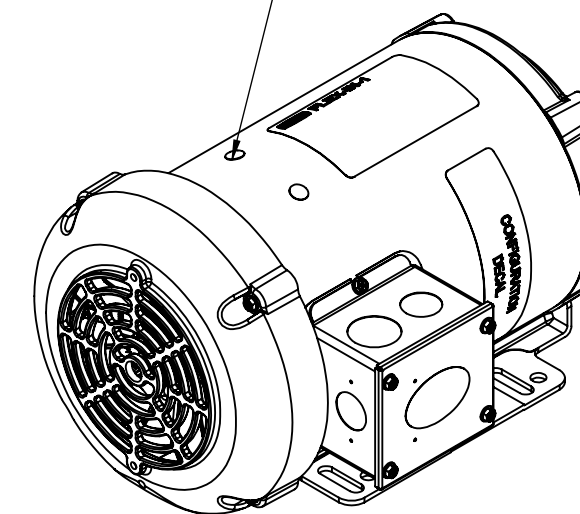


NOTES:

- 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 REPOSITONING BASE @12:00 OR 3:00



DRAWING REVISION	REVISION BY	REV. DATE/6 DATE	TOLERANCES (EXCEPT AS NOTED):		DRAWN BY	Regal® Rexnord		Regal Beloit America, Inc.	
H	M.P	03/05/2024	DEC.	INCH	mm	ANGLE			
				+0.1	[+3]	±0.5°			
REQUEST NUMBER	APPROVED BY	DATE	.XX	±0.02	[+0.5]		DATE	06/23/2022	
ECR-0231732	P.V.R	03/05/2024	.XXX	±0.005	[+0.13]		APPROVED BY	SN	
REQUEST NUMBER DESCRIPTION	UPDATED AS PER ECR		.XXXX	±0.0005	[+0.013]		DATE	06/23/2022	
COPYRIGHT (PER REVISION DATE) REGAL BELLOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELLOIT AMERICA, INC. (OWNER) AND CONTAINS OWNERS 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 CONTROLS AND REGULATIONS.			REMOVE BURRS & BREAK SHARP EDGES: 003/015 [08/38] X 45° CORNER FILLETS: R.02 [5] MACHINED SURFACES		125	3/2	REFERENCE	MATERIAL	PROCESS/FINISH
			mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY.		THIRD ANGLE PROJECTION		SIZE	DRAWING NUMBER	SHEET
							C	OL56100828-001	1 OF 2

4

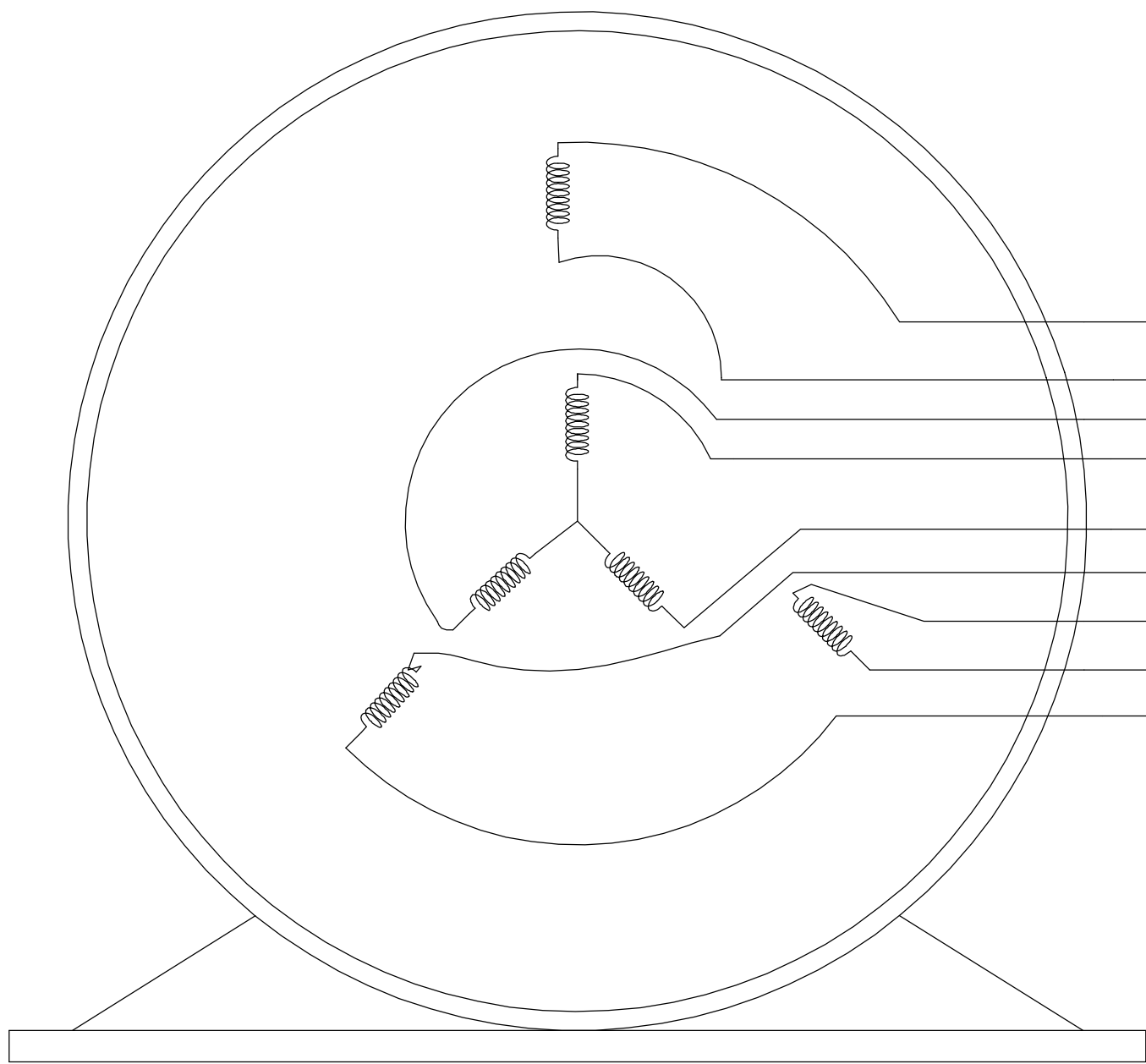
3

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

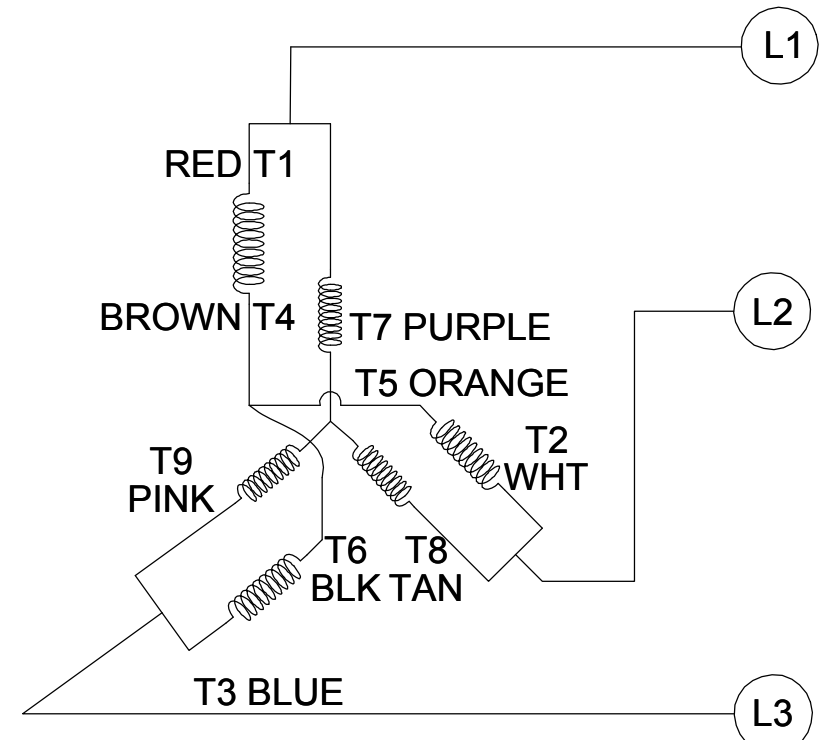
1

A

A

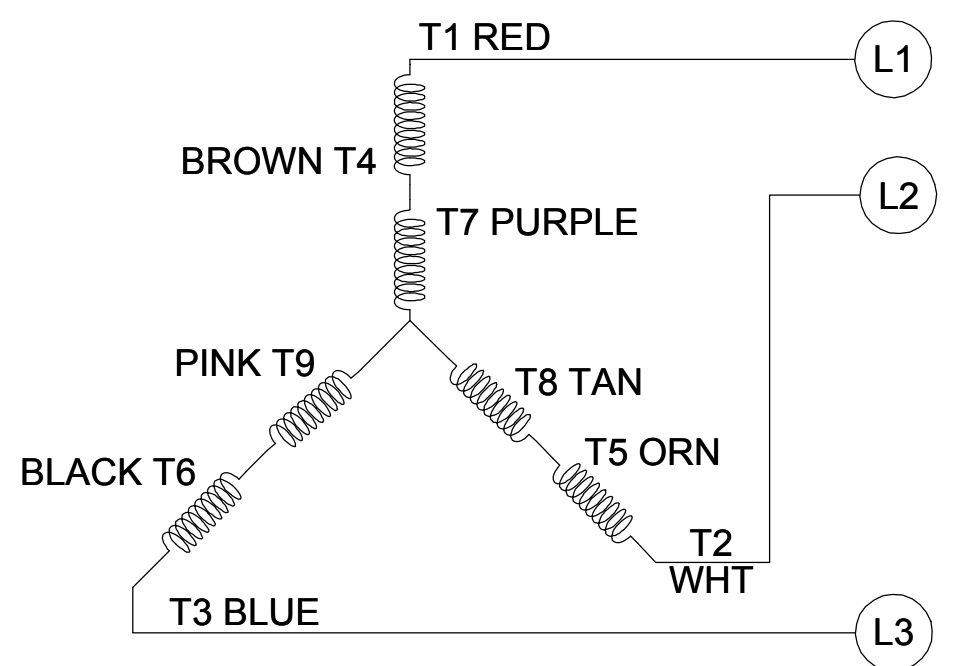
CCW LOW VOLTAGE

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 [51] MACHINED SURFACES: 125 INCH 3.2 mm mm SHOWN IN [BRACKETS]			
ECO ECO-0159881		APPROVED BY CD		DATE 01/11/2019					
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.									
DRAWN BY G. RODRIGUEZ									
DATE 12-01-2017		APPROVED BY J. A. MORENO		DATE 12-01-2017		DRAWN BY G. RODRIGUEZ DATE 12-01-2017 APPROVED BY J. A. MORENO DATE 12-01-2017 REFERENCE CDTD103 THIRD ANGLE PROJECTION			
REFERENCE CDTD103		MATERIAL		PROCESS/FINISH					
SIZE B		DRAWING NUMBER CDTD127				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 : 056T17F15954

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

Catalog No : FX32BK004

Rework No : N/A

Directives :

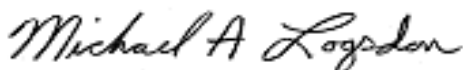
Low Voltage Directive 2014/35/EU

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