

PRODUCT INFORMATION PACKET



Model No: 056T34D15646

Catalog No: 056T34D15646

FLEX-IN-1™ General Purpose Motor, 1 & 1 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V,
3600 & 3000 RPM, 56HC Frame, DP



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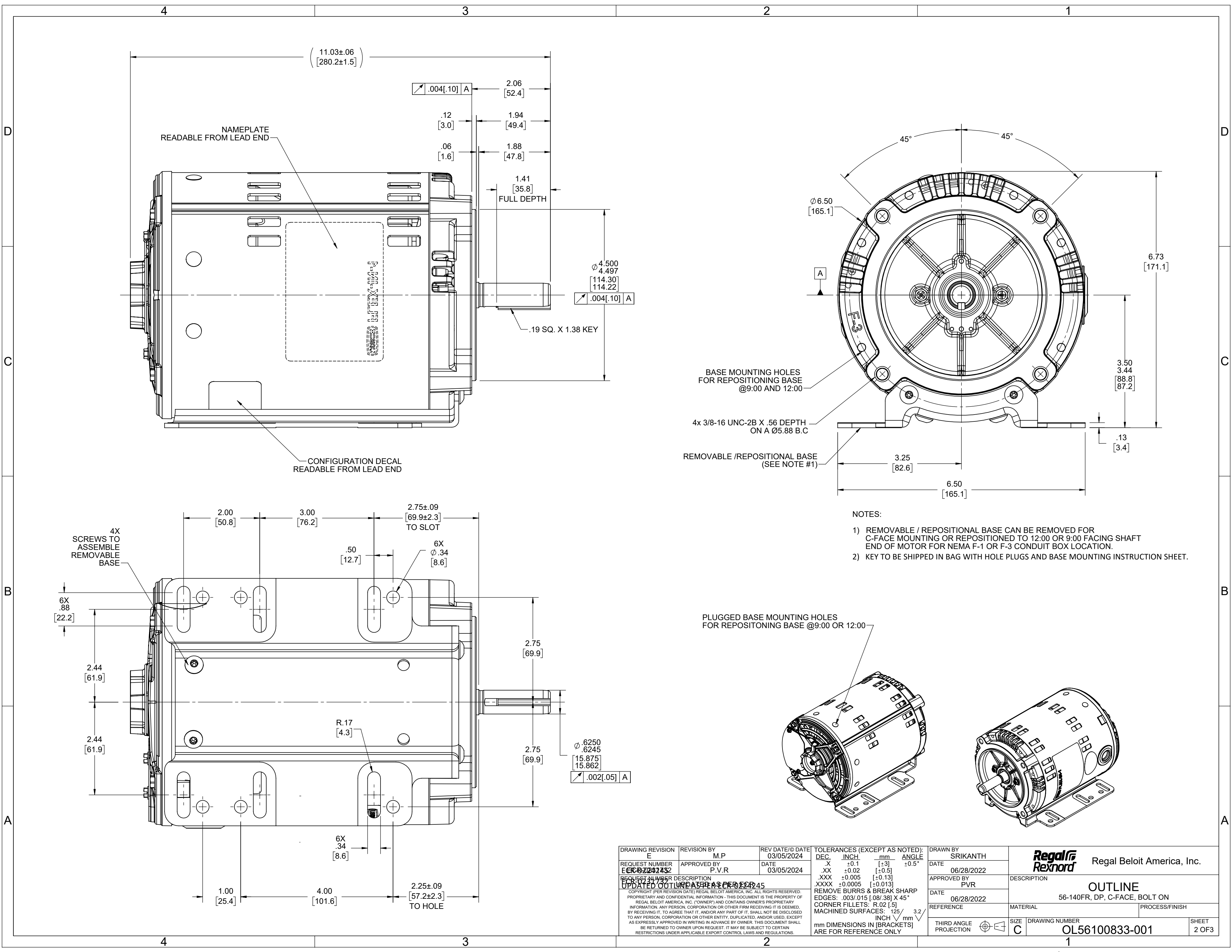
Nameplate Specifications

Phase	3	Output HP	1 & 1 Hp
Output KW	0.75 & 0.75 kW	Voltage	208-230/460 & 190/380 V
Speed	3450 & 2850 rpm	Service Factor	1.25 & 1.00
Frame	56HC	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	78.5 & 80.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	3-2.8/1.4 & 3.2/1.6 A	Power Factor	82
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

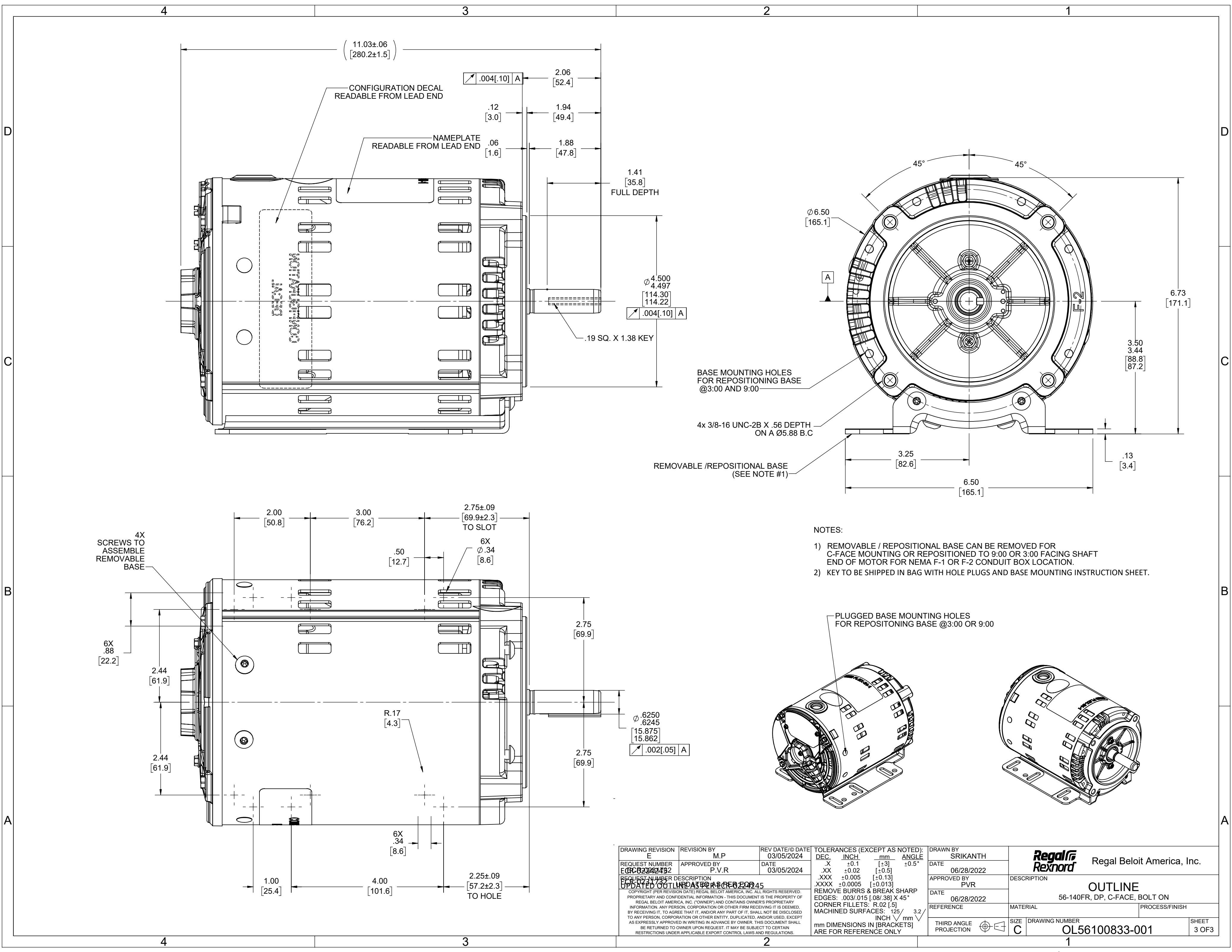
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	18.32 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
Outline Drawing	OL56100833-001	Connection Drawing	CDTD127

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DRAWING REVISION E	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]		DRAWN BY SRIKANTH	 Regal Beloit America, Inc.		
REQUEST NUMBER ECC-0224143	APPROVED BY P.V.R	DATE 03/05/2024	XXXXX REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: .125 [3.2] INCH [mm] V		DATE 06/28/2022			
REQUEST NUMBER DESCRIPTION ECC-0224143 OUTLINE BASE AS PER ECR 245			mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY		APPROVED BY PVR		DESCRIPTION OUTLINE	
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					REFERENCE	MATERIAL	PROCESS/FINISH	
					THIRD ANGLE PROJECTION	SIZE C	DRAWING NUMBER OL56100833-001	SHEET 2 OF 3



DRAWING REVISION E	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 [Ø8/.38] X 45° CORNER FILLETS: R.02 [5] MACHINED SURFACES: $\sqrt{125}$ INCH $\sqrt{3.2}$ mm mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY SRIKANTH	 Regal Beloit America, Inc.
REQUEST NUMBER EBC-020245	APPROVED BY P.V.R	DATE 03/05/2024		DATE 06/28/2022	
REQUEST NUMBER DESCRIPTION EBC-020245 OUTLINE				APPROVED BY PVR	
DATE 03/05/2024				DATE 06/28/2022	
DESCRIPTION 56-140FR, DP, C-FACE, BOLT ON				REFERENCE	MATERIAL
PROCESS/FINISH				SIZE C	DRAWING NUMBER OL56100833-001
SHEET 3 OF 3					

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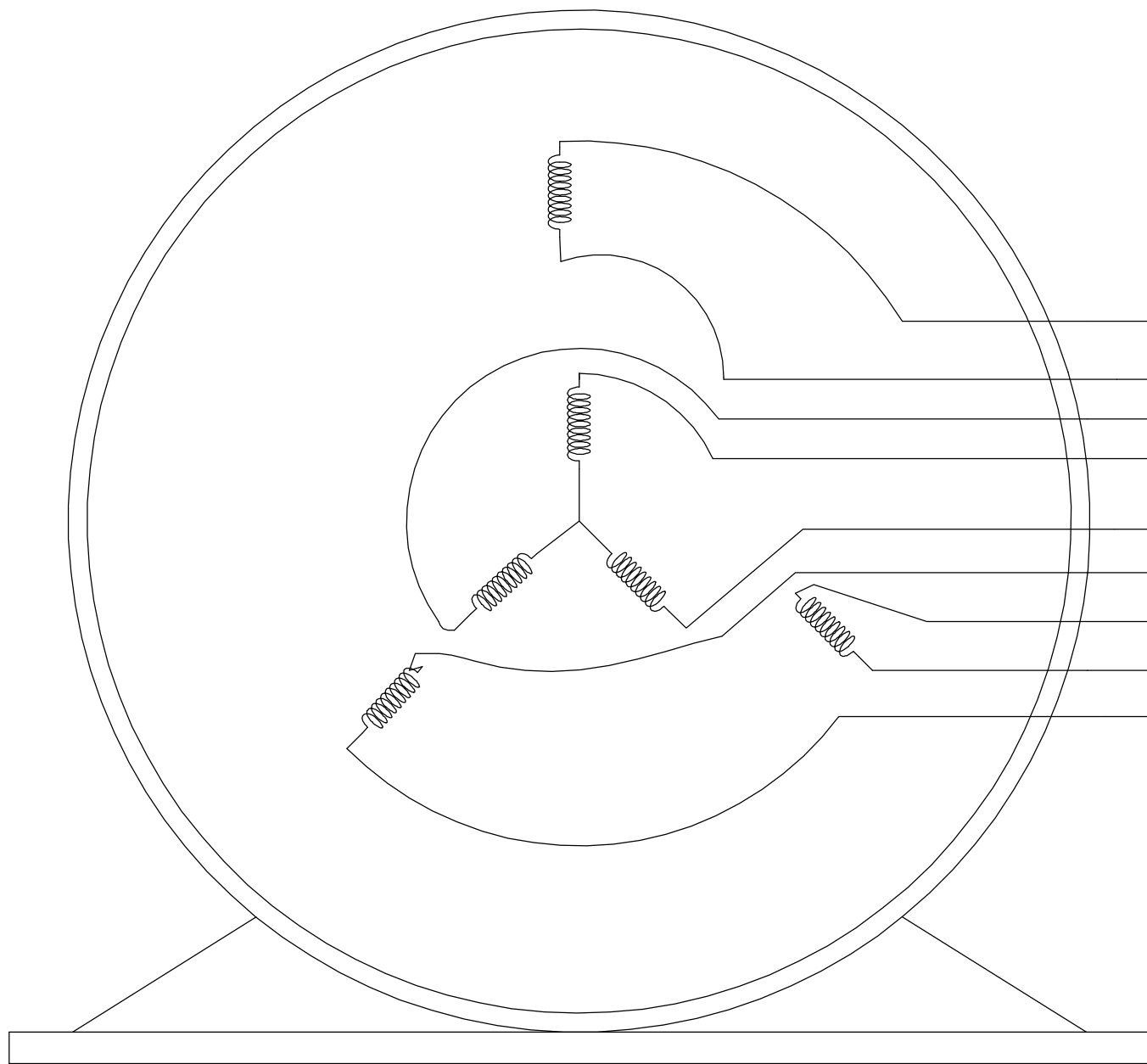
3

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

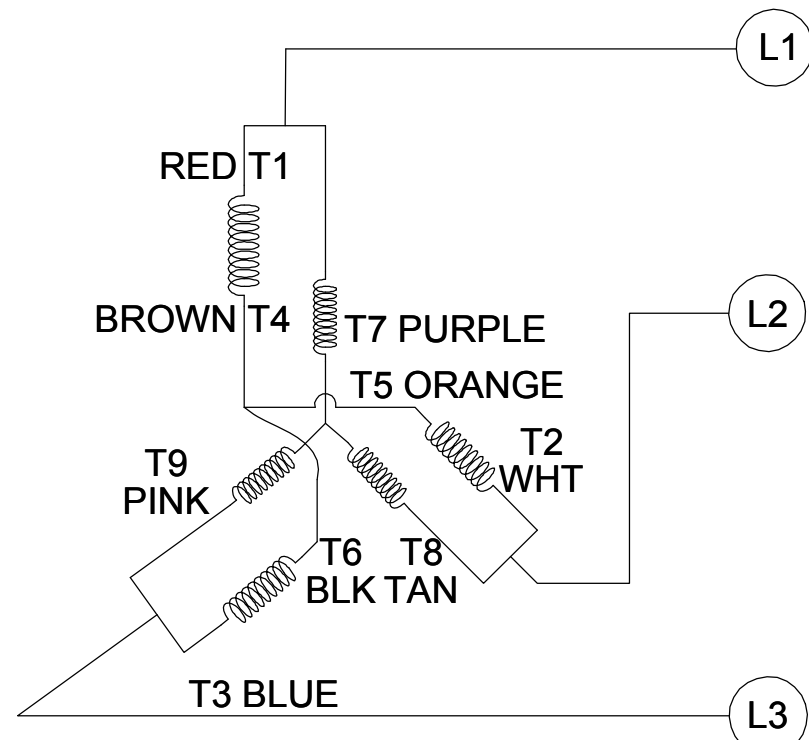
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A

A

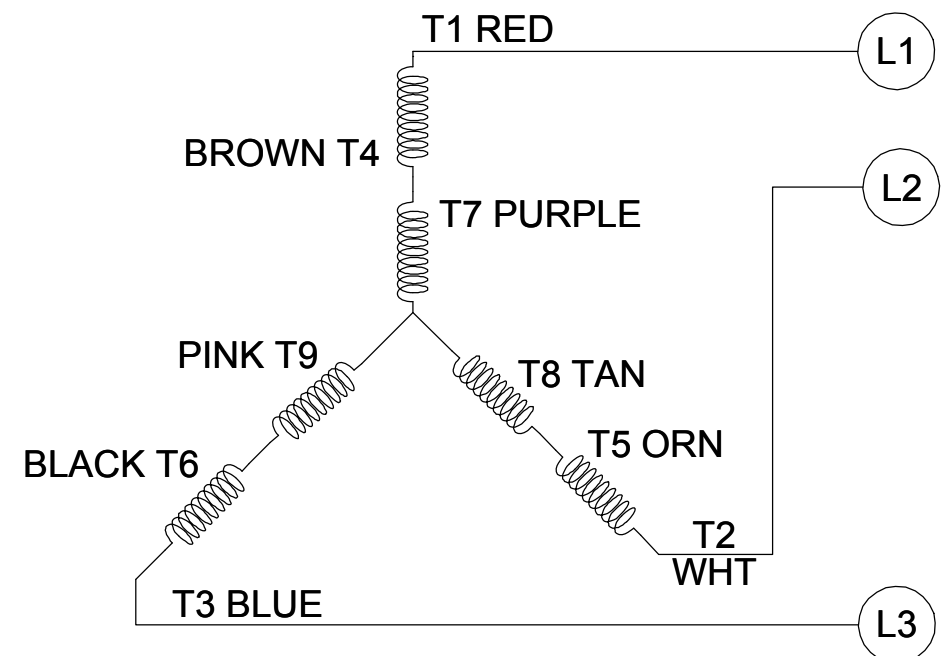
CCW LOW VOLTAGE

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 [0.51] MACHINED SURFACES: 125 INCH mm 3.2 mm SHOWN IN [BRACKETS]		DRAWN BY G. RODRIGUEZ		REGAL™ Regal Beloit America, Inc.			
ECO ECO-0159881		APPROVED BY CD	DATE 01/11/2019			DATE 12-01-2017	APPROVED BY J. A. MORENO				
ECO DESCRIPTION ADDED DD10199-001				DATE 12-01-2017		DESCRIPTION CONN DIAGRAM-EXTERNAL					
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				THIRD ANGLE PROJECTION		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 : 056T34D15646

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

Catalog No : FX01BK001

Rework No : N/A

Directives :

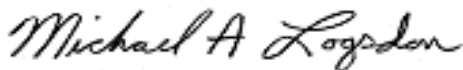
Low Voltage Directive 2014/35/EU

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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