

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 056T17F15954

Catalog No: FX32BK004

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



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RegalRexnord

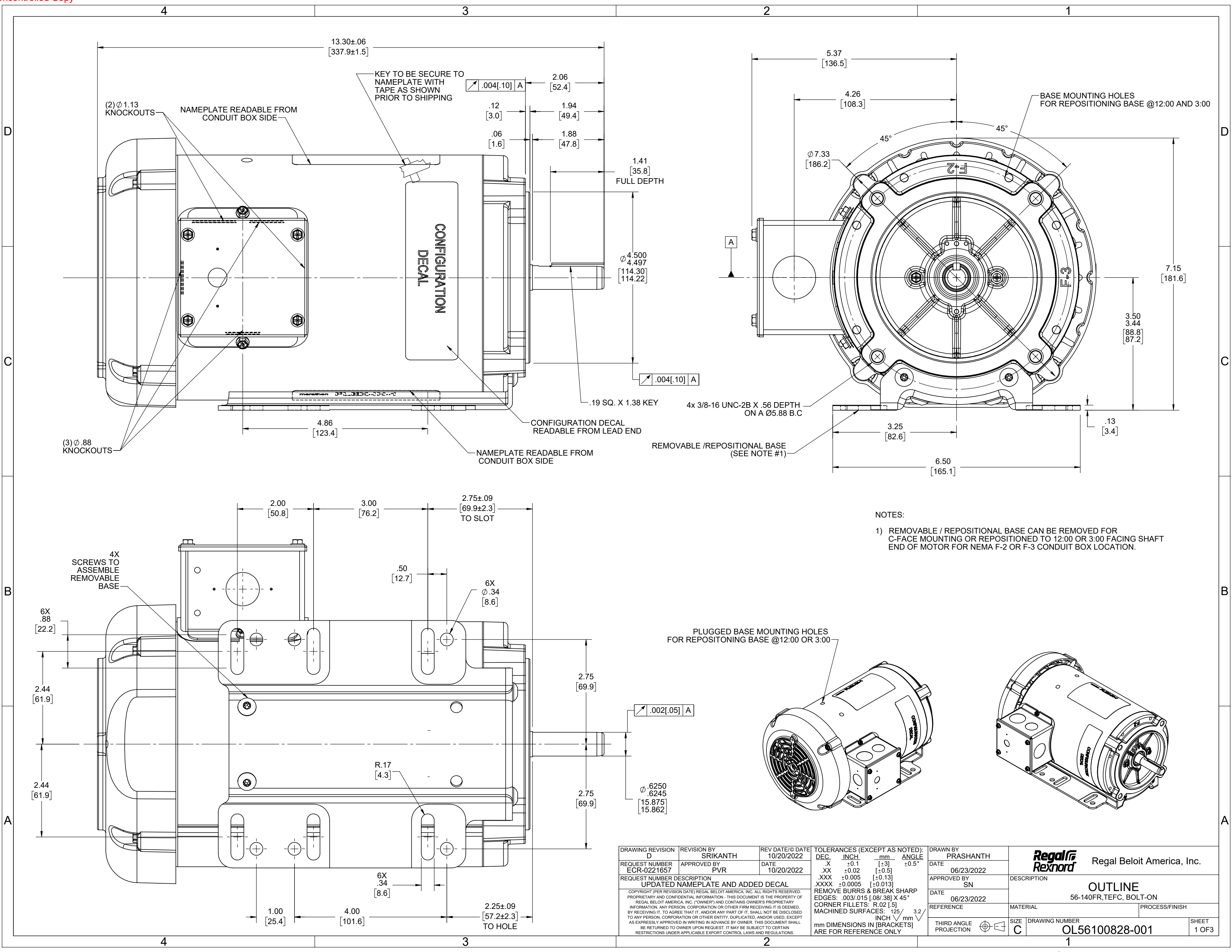
Nameplate Specifications

Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	4.7-4.6/2.3 A	Speed	1725 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Power Factor	71
Duty	Continuous	Insulation Class	F
Design Code	A	KVA Code	P
Frame	56HC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
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

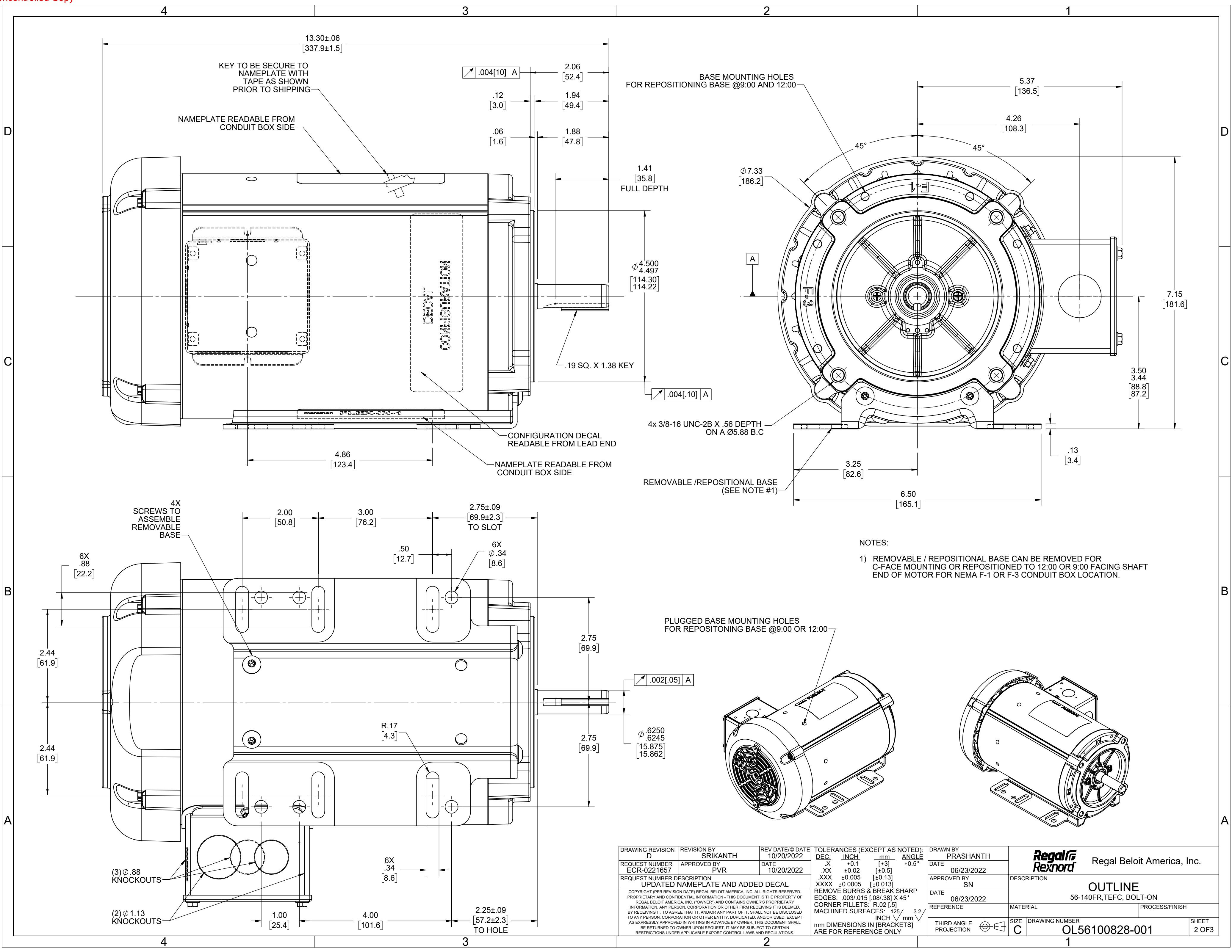
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	7.9 Ohms	Mounting	Bolt-on Base
Motor Orientation	Horizontal Or Up Or Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Shaft Diameter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

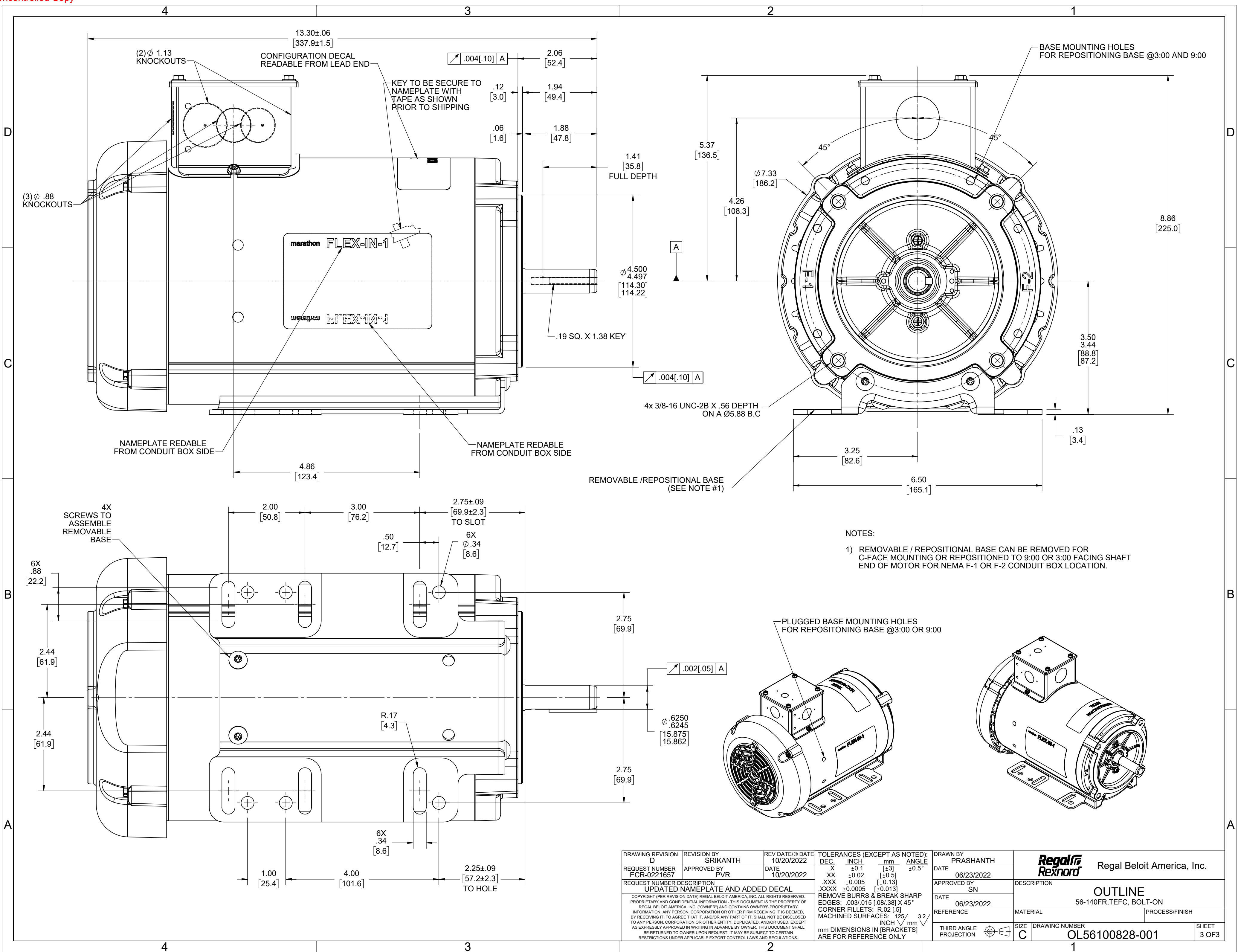
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NOTES:
1) REMOVABLE / REPOSITIONAL BASE CAN BE REMOVED FOR C-FACE MOUNTING OR REPOSITIONED TO 12:00 OR 3:00 FACING SHAFT END OF MOTOR FOR NEMA F-2 OR F-3 CONDUIT BOX LOCATION.

DRAWING REVISION D	REVISION BY SRIKANTH	REV DATE/© DATE 10/20/2022	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-0221657	APPROVED BY PVR	DATE 10/20/2022	XXXXX REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [5] MACHINED SURFACES: .125 INCH √ mm 3.2		DATE 06/23/2022		
REQUEST NUMBER DESCRIPTION UPDATED NAMEPLATE AND ADDED DECAL			mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY		APPROVED BY SN	OUTLINE	56-140FR,TEFC, BOLT-ON
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					SIZE C	DRAWING NUMBER OL56100828-001	SHEET 1 OF 3





DRAWING REVISION D	REVISION BY SRIKANTH	REV DATE/© DATE 10/20/2022	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .XX ±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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				REFERENCE	DESCRIPTION OUTLINE 56-140FR,TEFC, BOLT-ON
				MATERIAL	PROCESS/FINISH
				SIZE C	DRAWING NUMBER OL56100828-001
					SHEET 3 OF 3

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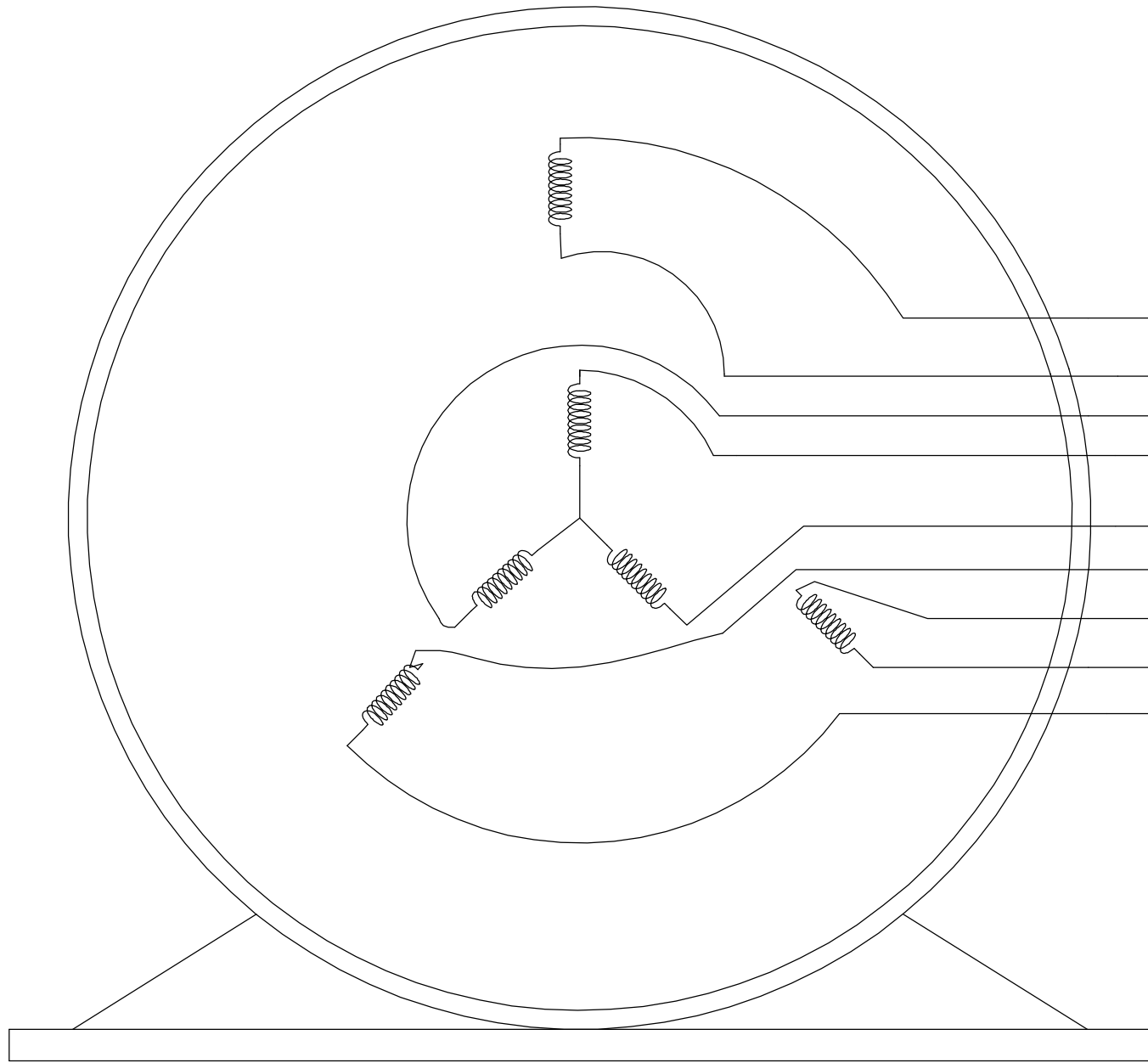
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B

B



VIEW OF TERMINAL END

A

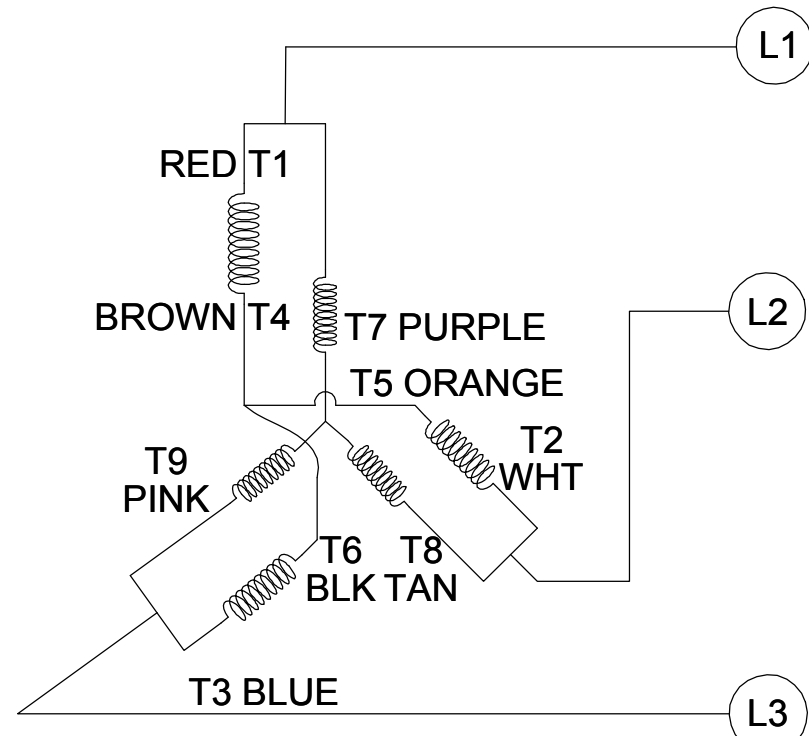
A

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

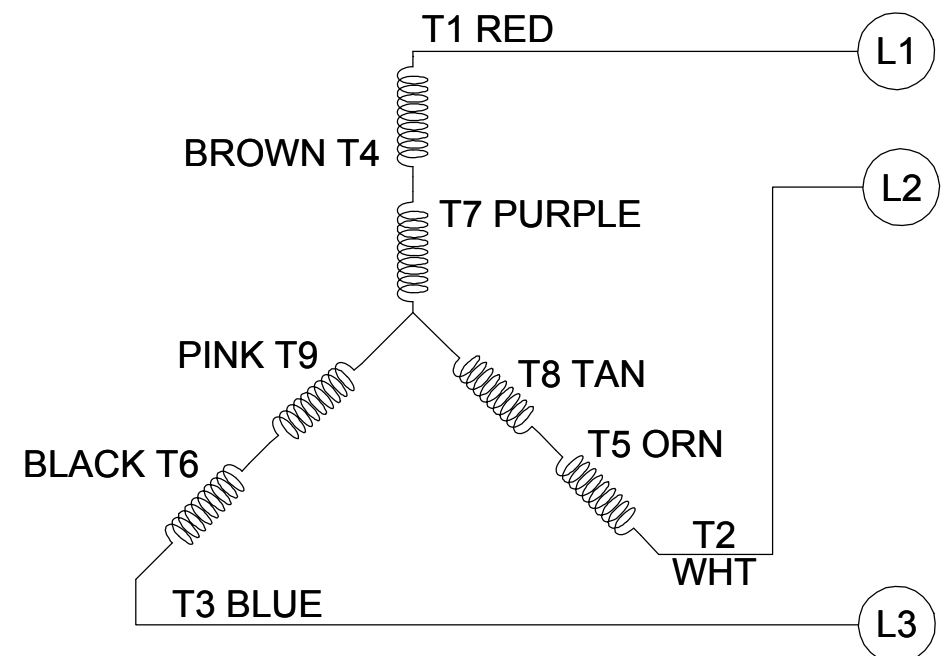
CCW LOW VOLTAGE

001



CCW HIGH VOLTAGE

002



DRAWING REVISION D		REVISION BY SHESHI		DATE 01/11/2019		TOLERANCES UNLESS OTHERWISE SPECIFIED: <table><tr><td>DEC.</td><td>INCH</td><td>mm</td><td>ANGLE</td></tr><tr><td>.X</td><td>±0.1</td><td>[±2.5]</td><td>±0.5°</td></tr><tr><td>.XX</td><td>±0.01</td><td>[±0.25]</td><td></td></tr><tr><td>.XXX</td><td>±0.005</td><td>[±0.127]</td><td></td></tr><tr><td>.XXXX</td><td>±0.0005</td><td>[±0.0127]</td><td></td></tr></table> REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] CORNER FILLETS: .02 [.51] MACHINED SURFACES: 125 INCH 3.2 mm mm SHOWN IN [BRACKETS]				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]	
DEC.	INCH	mm	ANGLE																										
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.XXX	±0.005	[±0.127]																											
.XXXX	±0.0005	[±0.0127]																											
ECO ECO-0159881		APPROVED BY CD		DATE 01/11/2019																									
ECO DESCRIPTION ADDED DD10199-001																													
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DRAWN BY G. RODRIGUEZ			DATE 12-01-2017			REGAL™ Regal Beloit America, Inc.																							
APPROVED BY J. A. MORENO			DATE 12-01-2017																										
REFERENCE CDTD103			MATERIAL			PROCESS/FINISH																							
THIRD ANGLE PROJECTION						SIZE B		DRAWING NUMBER CDTD127		SHEET 1 OF 1																			

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