

PRODUCT INFORMATION PACKET



Model No: 5KCP39RGU006CS-S

Catalog No: 5KCP39RGU006CS-S

5KCP39RGU006CS - SINGLE PACKED, 1/4-3/4 HP ,1 PH , 120 V ,1075 RPM , AC MOTOR

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

©2025 Regal Rexnord Corporation, All Rights Reserved. MC017097E





Nameplate Specifications

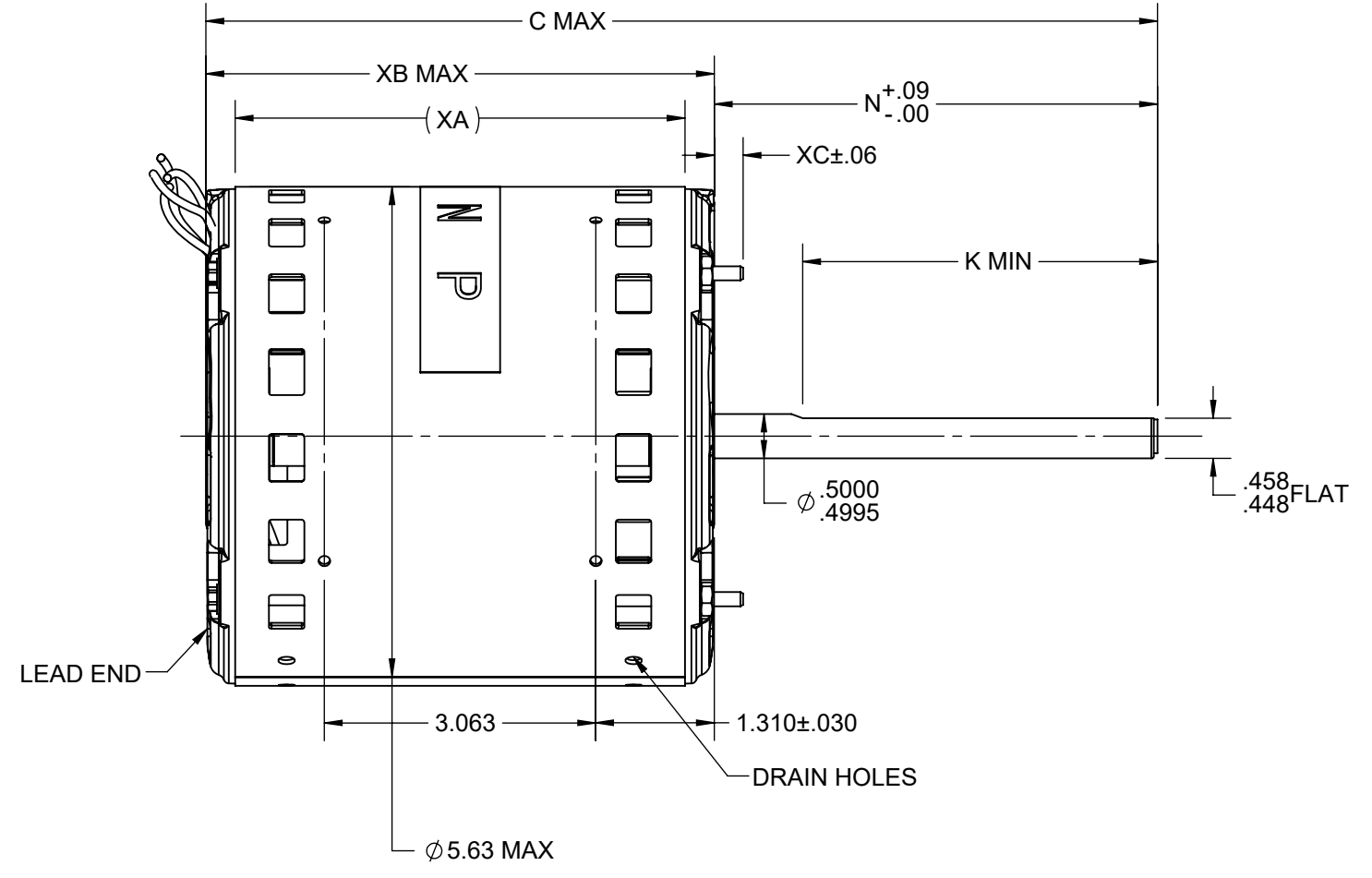
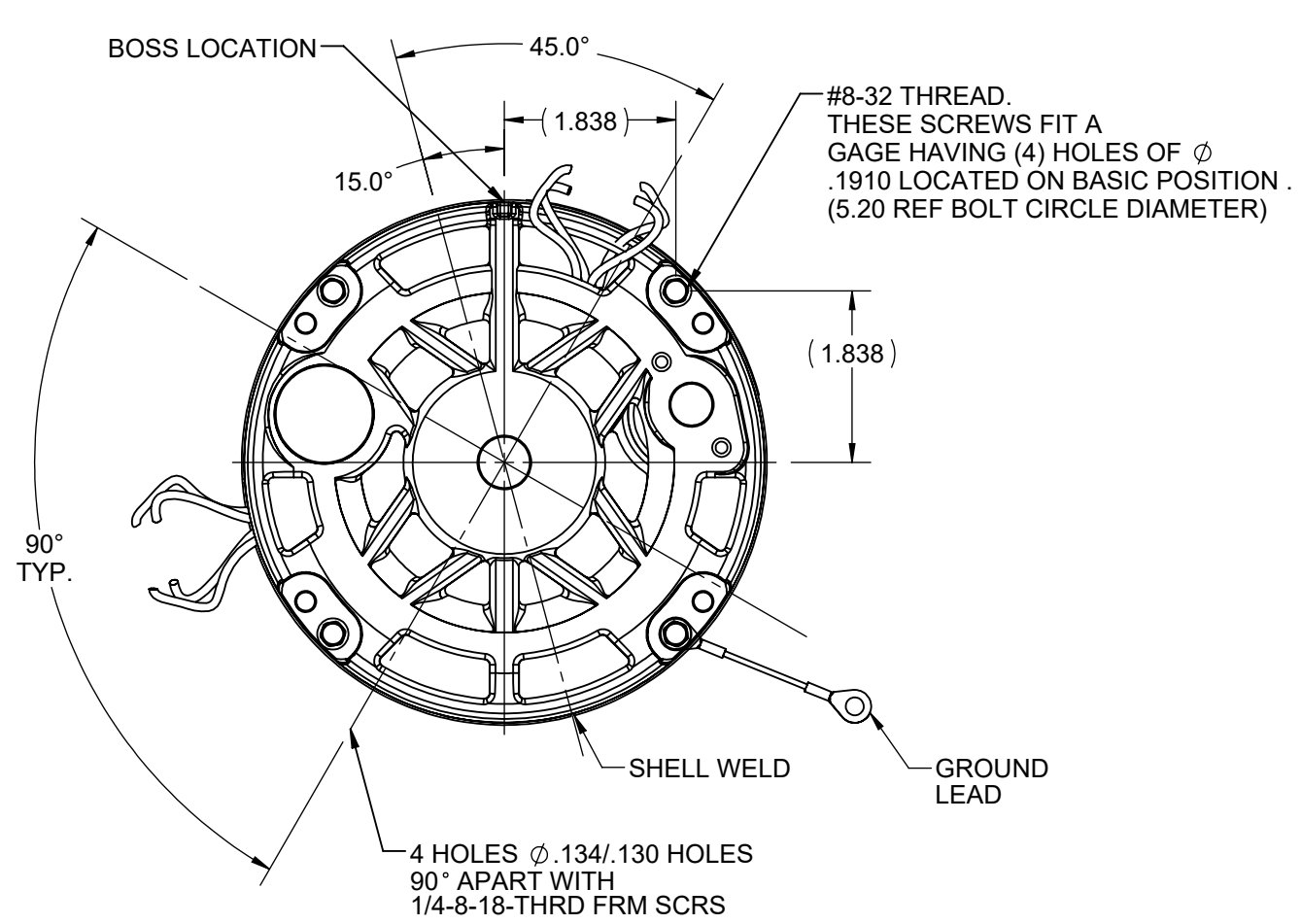
Phase	1	Output HP	1/4-3/4 Hp
Voltage	120 V	Speed	1075 rpm
Service Factor	1	Frame	48
Enclosure	Open Air Over	Thermal Protection	Thermally Protected
Ambient Temperature	40 °C	Frequency	60 Hz
Current	9.50 A	Duty	Continuous Air Over
Insulation Class	B	UL	Recognized
CSA	Y	CE	N
Number of Speeds	4		

Technical Specifications

Electrical Type	Permanent Split Capacitor	Poles	6
Rotation	Counterclockwise/Clockwise	Mounting	Round Belly Band
Motor Orientation	Any	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Flat	Overall Length	10.81 in
Frame Length	5.07 in	Shaft Diameter	0.500 in
Shaft Extension	5.00 in		
Outline Drawing	5KCP39RGU006CS	Connection Drawing	NP24X350406

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:03/21/2025

S.NO	CONNECTION	COLOR	EXIT TYPE	EXIT LOC (VIEWING LE)	GAGE	MATERIAL	WALL THK.	LENGTH	TERMINATION	NAMEPLATE DATA	
										MODEL	5KCP39RGU006CS
1	COMMON LEAD	WHITE	SHELL NOTCH	8:20	18	THERMOPLASTIC	4/64	36.00	.25 FLAG QC	CUST. P/N	51-23017-42
2	CAPACITOR LEAD	BROWN	SHELL NOTCH	8:20	18	THERMOPLASTIC	4/64	36.00	.25 FLAG QC	HP	1/4-3/4
3	CAPACITOR LEAD	BROWN	SHELL NOTCH	8:20	18	THERMOPLASTIC	4/64	36.00	.25 FLAG QC	RPM	1075
4	HIGH SPEED LEAD	BLACK	SHELL NOTCH	8:20	18	THERMOPLASTIC	4/64	36.00	.25 FLAG QC	VOLTS	120
5	MED HIGH SPEED LEAD	BLUE	SHELL NOTCH	8:20	18	THERMOPLASTIC	4/64	36.00	.25 FLAG QC	HZ	60
6	MED LOW SPEED LEAD	YELLOW	SHELL NOTCH	8:20	18	THERMOPLASTIC	4/64	36.00	.25 FLAG QC	SPEEDS	4
7	LOW SPEED LEAD	RED	SHELL NOTCH	8:20	18	THERMOPLASTIC	4/64	36.00	.25 FLAG QC	AMPS	N/R
8	REV LEAD	YELLOW	E/S VENT	12:40	18	EPDM	2/64	4.00	.25 FISQC LO INS	CAP. REQ'D-D1	N/R
9	REV LEAD	YELLOW	E/S VENT	12:40	18	EPDM	2/64	4.00	.25 MALE ISQC	CAP. REQ'D-D2	N/R
10	REV LEAD	ORANGE	E/S VENT	12:40	18	EPDM	2/64	4.00	.25 FISQC LO INS	CONN.DRW#	NP24X350406
11	REV LEAD	ORANGE	E/S VENT	12:40	18	EPDM	2/64	4.00	.25 MALE ISQC	ROTATION	CCW/CW (VIEWED FROM LE)
12	GROUND	GRN-YEL	CLAMPSCREW	4:30	18	THERMOPLASTIC	2/64	6.00	# 10 EYELET		



- NOTE:
- DIMENSIONS SHOWN ARE NOMINAL UNLESS OTHERWISE SPECIFIED.
 - NAME PLATE LABEL LOCATION : 60° - CENTER - READ FROM LE.

	.40	-
	XC	XD
10.81	5.00	4.00
C	N	K
	-	5.07
	LM	XA
		5.73
		XB

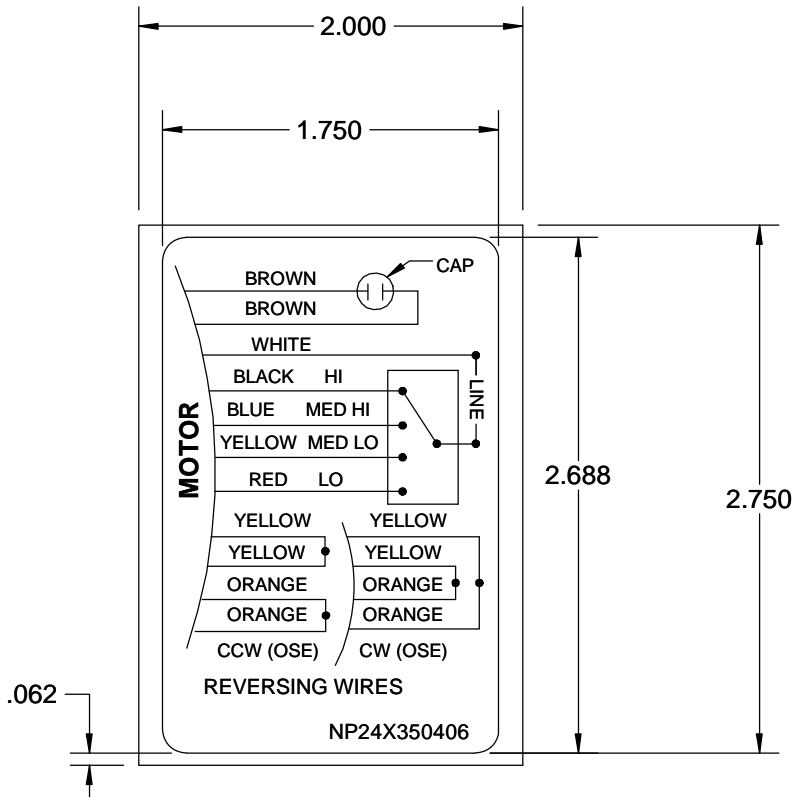
VENTILATION SYSTEM	
SHELL VENTS	OPEN
ENDSHIELD (OPP.LEAD END)	OPEN
ENDSHIELD (LEAD END)	OPEN

DRAWING REVISION B	REVISION BY RS	DATE 1/10/2022
ECO ECR-0213081	APPROVED BY RS	DATE 1/10/2022
ECO DESCRIPTION CHANGED VOLT FROM 115 TO 120 AS PER WTS		
<small>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.</small>		



DRAWN BY RS	Regal Beloit America, Inc.
DATE 12/22/2021	
APPROVED BY RS	
DATE 12/22/2021	
REFERENCE 5KCP39RGU006BS	DESCRIPTION OUTLINE (CUSTOMER NAME: RHEEM)
THIRD ANGLE PROJECTION	MATERIAL
SIZE B	DRAWING NUMBER 5KCP39RGU006CS
	SHEET 1 OF 1

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.

DRAWING REVISION A	REVISION BY	REV DATE/© DATE
ECO ECO-0165183	APPROVED BY	DATE
ECO DESCRIPTION NEW WIRING LABEL AS PER ECO		



SIZE (WxL) : 2.688 X 1.75"
BASE MTL : WHITE POLYESTER
ADHESIVE: PERMANENT
OVERLAMINATE : CLEAR POLYESTER LAMINATE
INK: BLACK
CORNER RADIUS : .125
FONT : ARIAL 7

PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY NV	 Regal Beloit America, Inc.		
	DATE 05/06/2019			
	APPROVED BY TRICIA	DESCRIPTION LABEL-CONNECTION DIAGRAM EXTERNAL WIRING LABEL		
	DATE 05/06/2019	MATERIAL	PROCESS/FINISH	
	REFERENCE	SIZE A	DRAWING NUMBER NP24X350406	SHEET 1 OF 1
	THIRD ANGLE PROJECTION 			

4

3

2

1

REV. No.	DATE	DRN. BY	CHKD. BY	APPD. BY
A	23.12.21	MOHIT	LAXMAN	RDS

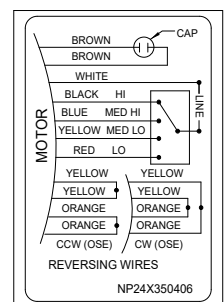
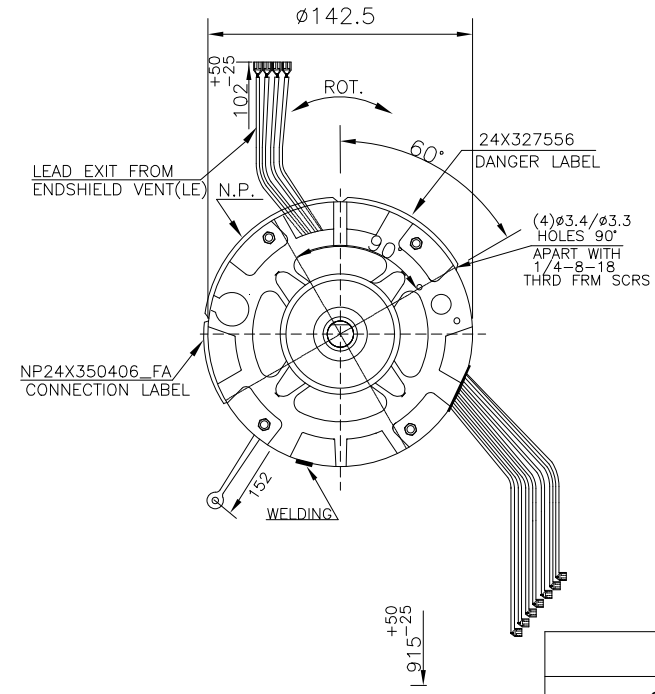
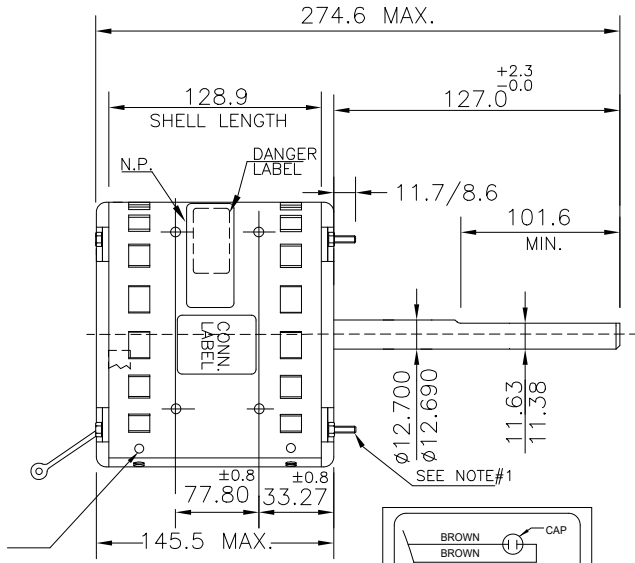
REV.A-NEW DRAWING RELEASE NMR-0212160

FOR FARIDABAD (INDIA) ONLY

NOTE:-

1. THE CLAMP SCREW SHOULD FIT A GAGE HAVING 4 HOLES. 4.85 DIA LOCATED ON BASIC HOLE POSITION.(132.0±1.5 REF BOLT CIRCLE DIAMETER).
2. SPRING (WAVE) WASHER ON LE SIDE.
3. 8X MTG. SCREW N194P1504B9 TO BE PUT IN A POLY BAG.
4. NAME PLATE,CONN. LABEL AND DANGER LABEL MUST BE READABLE FROM LE SIDE.

ALL DIMENSIONS HAVING NO TOLERANCE ARE FOR REF. ONLY
ALL DIMENSIONS IN MM
MOTOR OUTLINE(NOT TO SCALE)



VENTILATION SYSTEM	
SHELL VENTS	OPEN
ENDSHIELD (OPP.LEAD END)	OPEN
ENDSHIELD (LEAD END)	OPEN

ASSM IN INDIA

PROTECH™

PART No : 51-23017-42

CAUTION :
USE ONLY THE CAPACITOR RATINGS SHOWN

HP	CAPACITOR	SPEEDS TO USE	AMPS
3/4	10, 12.5 OR 15	HI	13.3
1/2	10, 12.5 OR 15	MED HI	11.0
1/3	10, 12.5 OR 15	MED LOW	10.3
1/4	10, 12.5 OR 15	LOW	8.8

THERMALLY PROTECTED CL B CONT AIR OVER
*** MOTOR CAN BE OPERATED IN ALL POSITIONS***
 VOLTS : 120 AMPS : 9.5 SHAFT : 1/2 X 5
 HZ : 60 RPM : 1075 PH : 1 SPEEDS : 4
 HP : 3/4 (MAX) ROTATION : Reversible
 See Table Below CAPACITOR : See Table Below

MODEL No: 5KCP39RGU006CS
 MOTOR DESIGNED FOR 15/370 CAPACITOR. HOWEVER, RUNS ON 10 AND 12.5/370 CAPACITORS. MOTOR IS SLIGHTLY STRONGER WITH 15/370 CAPACITOR.

DRAWING REVISION	REVISION BY	DATE
ECO	APPROVED BY	DATE
ECO DESCRIPTION		

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.

TOLERANCES UNLESS OTHERWISE SPECIFIED

DEC. mm INCH ANGLE

X ±2.5 [±0.10] ±0.5°

XX ±0.50 [±0.020]

XXX ±0.130 [±0.0051]

XXXX ±0.0130 [±0.00051]

REMOVE BURRS & BREAK SHARP EDGES. 08/38 [003/015]

CORNER FILLETS .50 [020]

MACHINED SURFACES

INCH mm

INCH SHOWN IN [BRACKETS]

DRAWN BY: MOHIT GOYAL

DATE: 23-12-2021

APPROVED BY: LAXMAN SINGH

DATE: 23-12-2021

REFERENCE

THIRD ANGLE PROJECTION

REGAL™ Regal Beloit America, Inc.

DESCRIPTION: **OUTLINE**

MATERIAL: _____ PROCESS/FINISH: _____

SIZE: B DWG NO: 5KCP39RGU006CS SHEET: 1

4

3

2

1