

# PRODUCT INFORMATION PACKET



Model No: 3143

Catalog No: 3143

OEM Replacement Motor, 1/2 HP, 1 Ph, 60 Hz, 115 V, 1075 RPM, 5 Speed, 48 Frame, OAO



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**Nameplate Specifications**

Output HP	1/2 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	115 V
Current	8.60 A	Speed	1075 rpm
Service Factor	1	Phase	1
Duty	Continuous Air Over	Insulation Class	B
Frame	48	Enclosure	Open Air Over
Thermal Protection	Thermally Protected	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	5

**Technical Specifications**

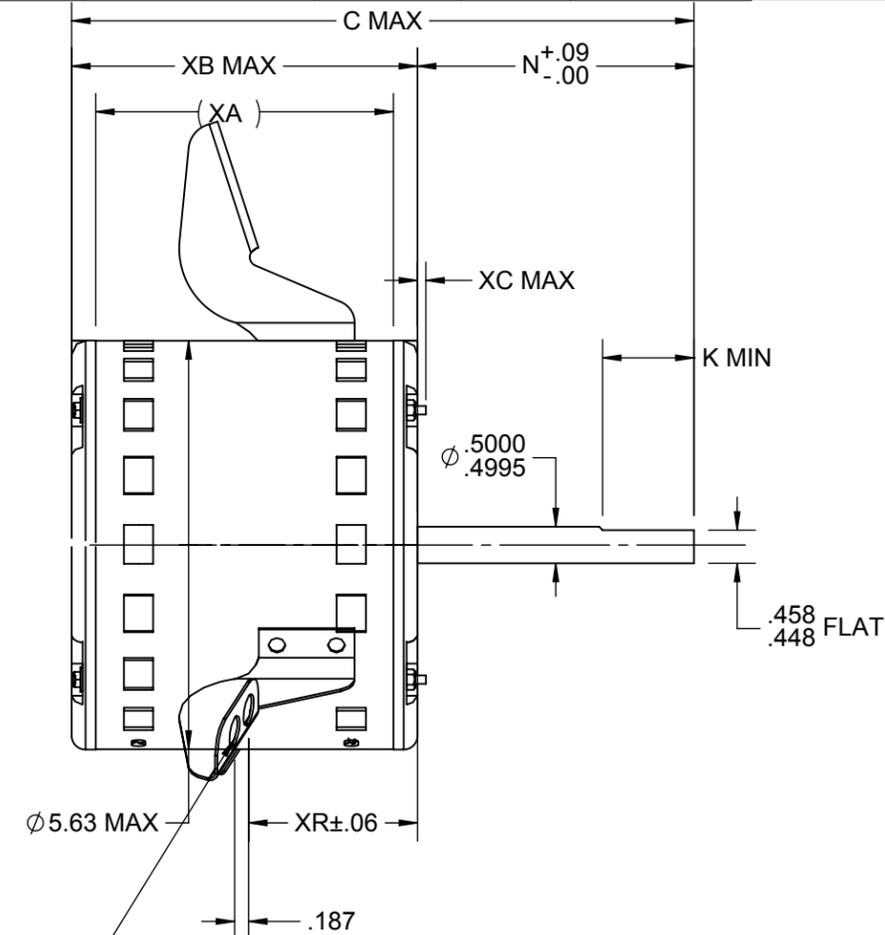
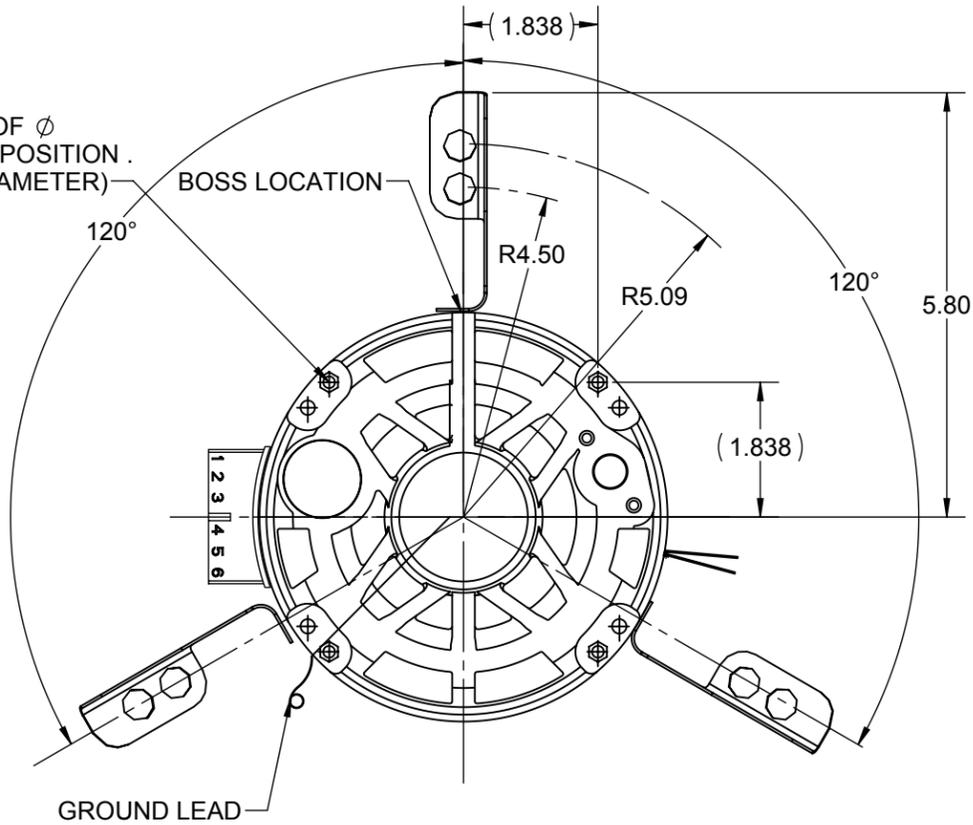
Electrical Type	Permanent Split Capacitor	Poles	6
Rotation	Counterclockwise	Mounting	Lug
Motor Orientation	Any	Drive End Bearing	Sleeve
Opp Drive End Bearing	Sleeve	Frame Material	Rolled Steel
Shaft Type	Flat	Overall Length	8.53 in
Frame Length	4.57 in	Shaft Diameter	0.500 in
Shaft Extension	3.25 in		
Connection Drawing	NP24X327583	Outline Drawing	5KCP39NGT583S

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S.NO	CONNECTION	COLOR	EXIT TYPE	EXIT LOC. (VIEWING LE)	GAGE	MATERIAL	WALL THK.	LENGTH	TERMINATION
1	COMMON LEAD	YELLOW	TERM BLOCK	9:00	18	EPDM	2/64	N/R	N/R
2	HIGH SPEED LEAD	BROWN	TERM BLOCK	9:00	18	EPDM	2/64	N/R	N/R
3	MED HIGH SPEED LEAD	BLACK	TERM BLOCK	9:00	18	EPDM	2/64	N/R	N/R
4	MED SPEED LEAD	BLUE	TERM BLOCK	9:00	18	EPDM	2/64	N/R	N/R
5	MED LOW SPEED LEAD	RED	TERM BLOCK	9:00	18	EPDM	2/64	N/R	N/R
6	LOW SPEED LEAD	ORANGE	TERM BLOCK	9:00	18	EPDM	2/64	N/R	N/R
7	CAPACITOR LEAD	PURPLE	SHELL NOTCH	3:40	18	EPDM	4/64	21.00	.25 STRT QC
8	CAPACITOR LEAD	PURPLE	SHELL NOTCH	3:40	18	EPDM	4/64	21.00	.25 SQC
9	GROUND LEAD	GRN-YEL	CLAMP SCREW	7:30	18	THERMOPLASTIC	2/64	12.00	# 10 EYELET

NAMEPLATE DATA	
MODEL	5KCP39NGT583S
CUST. P/N	STOCK NO 3143
HP	1/2
RPM	1075
VOLTS	115
HZ	60
SPEEDS	5
AMPS	8.60
CAP. REQ'D-D1	7.5 µfd/370 Volts
CAP. REQ'D-D2	N/R
CONN.DRW#	NP24X327583
ROTATION	CCW (VIEWED FROM LE)

#8-32 THREAD.  
THESE SCREWS FIT A  
GAGE HAVING (4) HOLES OF  $\phi$   
.1910 LOCATED ON BASIC POSITION.  
(5.20 REF BOLT CIRCLE DIAMETER)



NOTE:

- 1) DIMENSIONS SHOWN ARE NOMINAL UNLESS OTHERWISE SPECIFIED.
- 2) NAME PLATE LABEL LOCATION :315° - SHELL CENTER - READ FROM LE.

LUGS FOR 9/10" BLOWER WHEEL  
FOR  $\phi$ .25 MOUNTING SCREWS.

	.14	N/R	3.68
	XC	XD	XR
8.53	3.25	3.00	N/R
C	N	K	LM
	XA	XB	4.57
			5.23

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

DRAWING REVISION	REVISION BY	DATE
A	MVG	05/22/2014
ECO	APPROVED BY	DATE
ECO-0052119	MVN	05/22/2014

ECO DESCRIPTION  
GROUND LEAD CHANGED TO 8:00

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7° 30"
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP  
EDGES: .003/.015 [0.076/.381]  
CORNER FILLETS: .02 [0.51]  
MACHINED SURFACES: 200 INCH 5.1 mm

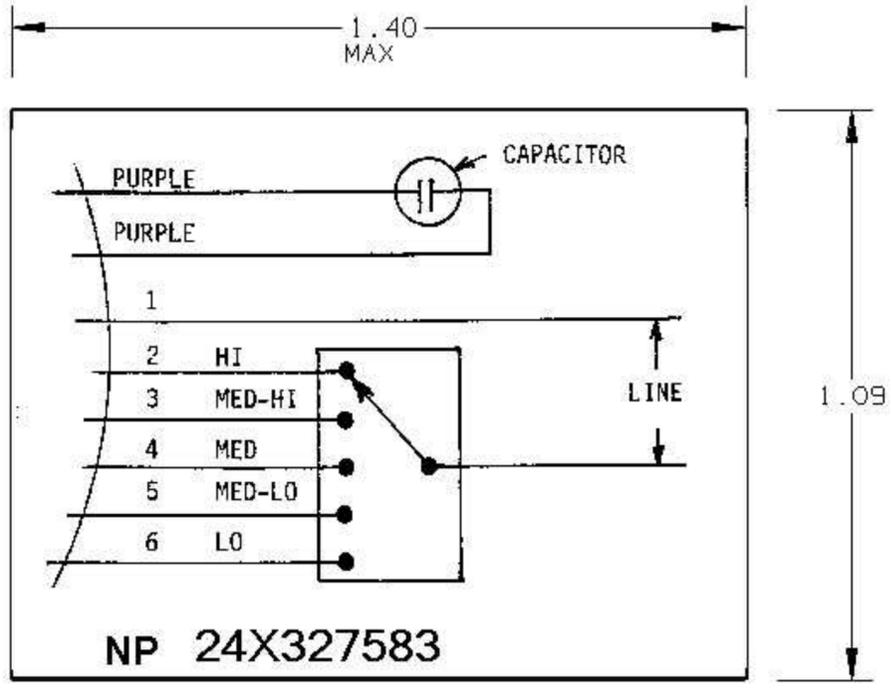
mm SHOWN IN [BRACKETS]

DRAWN BY	DATE
MVG	05/22/2014
APPROVED BY	DATE
MVN	05/22/2014
REFERENCE	THIRD ANGLE PROJECTION

<b>REGAL</b> ™ Regal Beloit America, Inc.	
DESCRIPTION <b>OUTLINE</b> (CUSTOMER NAME: DEF PUR)	
MATERIAL	PROCESS/FINISH
SIZE <b>B</b>	DRAWING NUMBER <b>5KCP39NGT583S</b>
	SHEET 1 OF 1

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REVISIONS	
REV	DESCRIPTION
1	Convert to RBC Format JAR-10 2005



TYPE FACE: COLORS OR NUMBERS DENOTING LEAD IDENTIFICATION AND N.P. NUMBER ARE TO BE 18 POINT NEWS GOTHIC CONDENSED. OTHER INFORMATION SHOULD BE 18 POINT IF SPACE ALLOWS, OTHERWISE USE 14 POINT.

MATERIALS: 4 MIL WHITE VINYL ADHESIVE STOCK GE SPEC A50FG41-S1  
BLACK INK GE SPEC A50FM48

NOTE: THE BOX LINES AND DIMENSIONS REPRESENT THE SIZE OF THE TAPE TO BE USED. DO NOT INCLUDE THESE IN STAMP FORMAT.

 <b>REGAL</b> BELOIT REGAL-BELOIT CORPORATION	
<b>CONNECTION DIAGRAM</b>	
FILE:	DPC#
<b>NP24X327583</b>	
ISSUED	SCALE
<b>CAS 6/89</b>	<b>NO</b>