

# PRODUCT INFORMATION PACKET



Model No: 5K42HN4089

Catalog No: 5K42HN4089

Fan and Blower Motor, 0.50 HP, 3 Ph, 60 Hz, 208-230/460 V, 1800 RPM, 56 Frame, DP



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### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>0.50 Hp</b>
Output KW	<b>0.37 kW</b>	Voltage	<b>208-230/460 V</b>
Speed	<b>1725 rpm</b>	Service Factor	<b>1.25</b>
Frame	<b>56</b>	Enclosure	<b>Drip Proof</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>78.7 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 Hz</b>
Current	<b>2.3-2.2,1.1 A</b>	Power Factor	<b>0</b>
Duty	<b>Continuous</b>	Insulation Class	<b>B</b>
Design Code	<b>B</b>	KVA Code	<b>K</b>
Drive End Bearing Size	<b>6203</b>	Opp Drive End Bearing Size	<b>6203</b>
UL	<b>Recognized</b>	CSA	<b>Yes</b>
CE	<b>N</b>	Number of Speeds	<b>1</b>

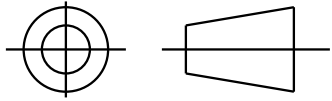
### Technical Specifications

Electrical Type	<b>Three Phase</b>	Starting Method	<b>N/R</b>
Poles	<b>4</b>	Rotation	<b>Counterclockwise/Clockwise</b>
Mounting	<b>Resilient Base</b>	Motor Orientation	<b>ANY</b>
Drive End Bearing	<b>BALL</b>	Opp Drive End Bearing	<b>BALL</b>
Frame Material	<b>Rolled Steel</b>	Overall Length	<b>10.05 in</b>
Frame Length	<b>5.72 in</b>	Shaft Diameter	<b>0.630 in</b>
Shaft Extension	<b>1.88 in</b>		
Connection Drawing	<b>113A930FIG2</b>	Outline Drawing	<b>52A109606P1</b>

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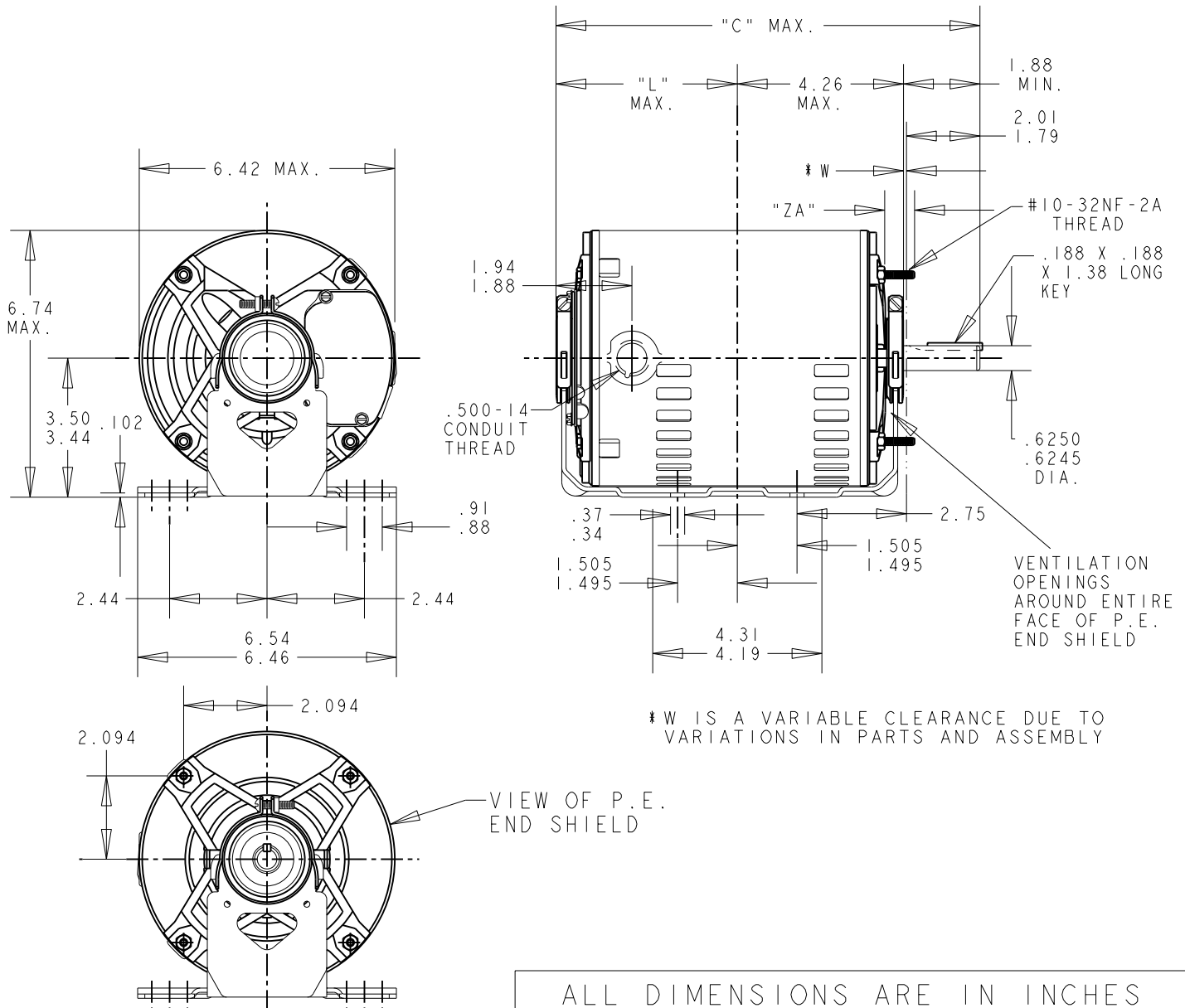
SHEET 1  
REV 4  
52A109606  
SIZE DRAWING NO. A

THIRD ANGLE PROJECTION



REVISIONS


REV.	DESCRIPTION	DATE	APPROVED
3	CHANGED GE SIZE FOR P3	05/07/04	ARUNK
4	CHG TO RBC FORMAT PER ISO5-1777	03/21/06	SUDHA



ALL DIMENSIONS ARE IN INCHES

3	K	46	56	10.88	4.62	.62	6.55
2	K	49	56	10.48	4.22	.62	6.15
1	K	42	56	10.05	3.79	.62	5.72
P	TYPE	GE SIZE	NEMA FR.	"C"	"L"	"ZA"	MIN. SHELL

SIGNATURES		DATE
MODEL	M. D. PAPE	03/31/94
DETAIL	.	.
CHECKED	.	.
ENGRG	.	.
MFG	.	.
FOR ADDITIONAL INFO REFER TO:	QUALITY	.
APPLIED PRACTICES	ISSUED	M. D. PAPE 03/31/94
DIMENSIONS ARE IN INCHES ✓	SOLID MODEL: 52A109606	



**REGAL-BELOIT CORPORATION**

TITLE: **OUTLINE**

**GENERAL PURPOSE MOTOR - DRIP PROOF - BALL BEARING - REISLIENT BASE EXTENDED CLAMP SCREWS FMF - 40 FRAME REDESIGN**

SIZE DRAWING: **A**

SCALE: 0.250 REF. No: . SHEET 1 of 1

**52A109606** REV **4**

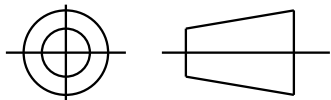
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REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
1	CHG TO RBC FORMAT PER ISO5-1777	06/15/06	MADHU
2	RENAMED 113A930_FIG_2 TO 113A930FIG2 PER ISO7-0972	05/08/07	MADHU

THIRD ANGLE PROJECTION

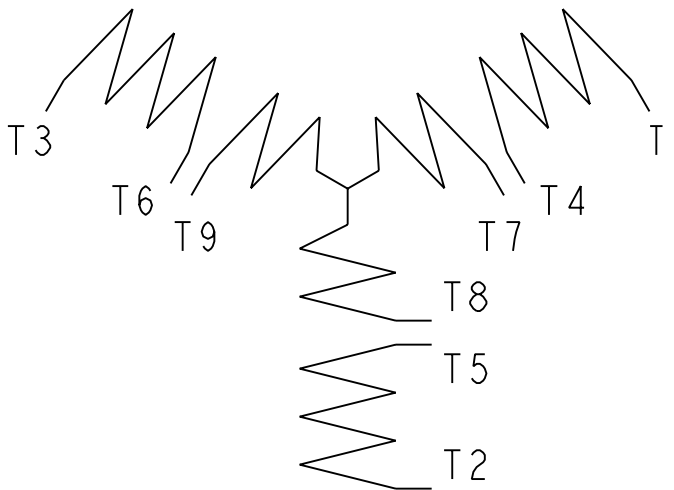


SHEET 113A930FIG2 2

SIZE DRAWING NO. A

FIG. 2

3 PHASE



	VOLTS	L1	L2	L3	TOGETHER
2Y	LOW	1-7	2-8	3-9	4-5-6
1Y	HIGH	1	2	3	4-7, 5-8, 6-9

BRAKE MOTORS: CONNECT BRAKE LEADS B1 & B2 TO MOTOR LEADS T7 & T8.

FOR ADDITIONAL INFO REFER TO:	SIGNATURES	DATE
APPLIED PRACTICES	MODEL M. D. PAPE	02/25/03
DIMENSIONS ARE IN INCHES	DETAIL	.
TOLERANCE ON:	CHECKED	.
1 PL DECIMALS ± 0.1	ENGRG	.
2 PL DECIMALS ± 0.02	MFG	.
3 PL DECIMALS ± 0.005	QUALITY	.
ANGLES ± 1.0	ISSUED	M. D. PAPE 02/25/03
FRACTIONS ±		
FINISH ✓		
MATERIAL	SOLID MODEL: 113A930FIG2	



REGAL-BELOIT CORPORATION

TITLE CONNECTION DIAGRAM

SIZE DRAWING A

113A930FIG2

REV 2

SCALE: 1.000

REF. No: .

SHEET 1 of 1