

# PRODUCT INFORMATION PACKET

Model No: 5K42HN4034

Catalog No: K1324

General Purpose Motor, 0.50 HP, 3 Ph, 60 Hz, 208-230/460 V, 1800 RPM, 56C Frame, TEFC



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### Nameplate Specifications

Output HP	<b>0.50 Hp</b>	Output KW	<b>0.37 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>208-230/460 V</b>
Current	<b>2.3-2.2,1.1 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1.25</b>	Phase	<b>3</b>
Efficiency	<b>77 %</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>
Frame	<b>56C</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Ambient Temperature	<b>40 °C</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>Rigid Base</b>	Motor Orientation	<b>ANY</b>
Drive End Bearing	<b>LOCKED</b>	Opp Drive End Bearing	<b>Ball</b>
Frame Material	<b>Rolled Steel</b>	Overall Length	<b>11.01 in</b>
Frame Length	<b>5.72 in</b>	Shaft Diameter	<b>0.630 in</b>
Shaft Extension	<b>1.88 in</b>		
Outline Drawing	<b>52A109650P2</b>	Connection Drawing	<b>113A930FIG2</b>

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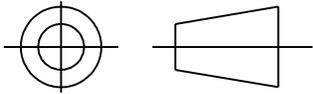
SHEET 4

REV 4

SIZE DRAWING NO. 52A109650

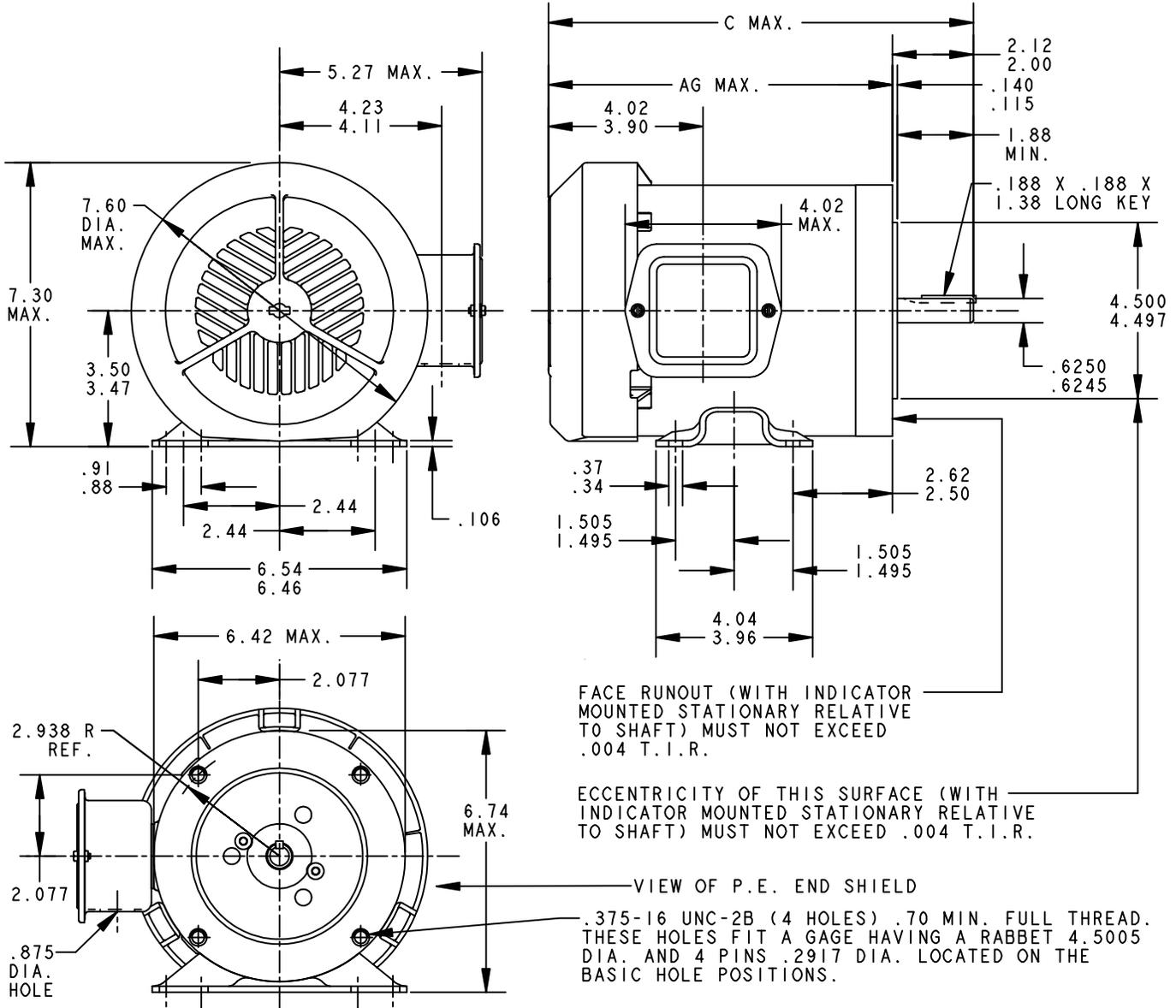
A

THIRD ANGLE PROJECTION



REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
3	CHG TO RBC FORMAT PER IS05-1777	03/22/06	SUDHA
4	ADDED PART #6 PER DS11-0343	03/15/11	KARTHIK



4	K	49	56C	12.44	10.32	7.15							
3	K	46	56C	11.84	9.72	6.55							
2	K	42	56C	11.01	8.89	5.72	6	K	49	56C	12.94	10.82	7.68
1	K	49	56C	11.41	9.29	6.15	5	K	48	56C	13.72	11.60	8.43
P	TYPE	GE SIZE	NEMA FR	C	AG	MIN. SHELL	P	TYPE	GE SIZE	NEMA FR	C	AG	MIN. SHELL

SIGNATURES		DATE
MODEL	M.D.PAPE	07/20/94
DETAIL	.	.
CHECKED	.	.
ENGRG	.	.
MFG	.	.
QUALITY	.	.
ISSUED	M.D.PAPE	07/20/94
SOLID MODEL: 52A109650		



**REGAL-BELOIT CORPORATION**

TITLE: **OUTLINE**

**40 FRAME REDESIGN - GENERAL PURPOSE MOTOR - TEFC BALL BEARING- WELDED BASE - R2 END MOUNTED**

SIZE DRAWING: **52A109650** REV **4**

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

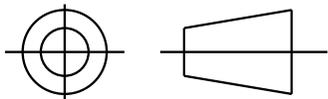
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REVISIONS

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



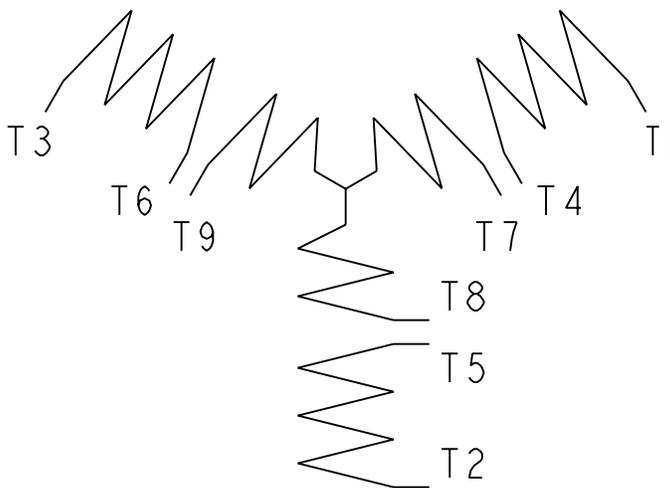
SHEET 2

SIZE DRAWING NO. A

113A930FIG2

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	



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TITLE CONNECTION DIAGRAM

SIZE	DRAWING	REV
A	113A930FIG2	2
SCALE: 1.000	REF. No: .	SHEET 1 of 1