

# PRODUCT INFORMATION PACKET

Model No: 5K49PN8030

Catalog No: K1318

General Purpose Motor, 0.75 HP, 3 Ph, 60 Hz, 208-230/460 V, 1200 RPM, 143TC Frame, TEFC



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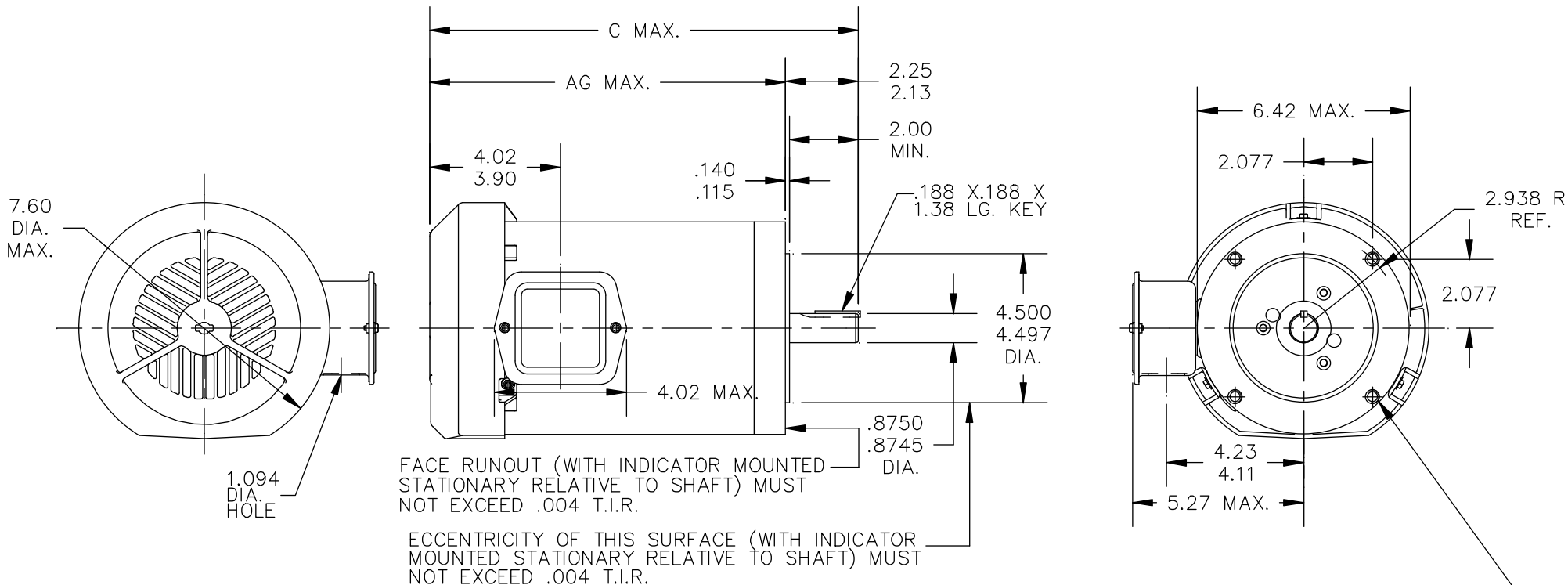
### Nameplate Specifications

Output HP	<b>0.75 Hp</b>	Output KW	<b>0.56 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>208-230/460 V</b>
Current	<b>2.9-2.8,1.4 A</b>	Speed	<b>1140 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>76.1 %</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>143TC</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>6205</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>6</b>	Rotation	<b>Counterclockwise/Clockwise</b>
Mounting	<b>Round</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>12.56 in</b>
Frame Length	<b>7.15 in</b>	Shaft Diameter	<b>0.880 in</b>
Shaft Extension	<b>2 in</b>		
Connection Drawing	<b>113A930FIG2</b>	Outline Drawing	<b>52A107853P2</b>

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.375-16 UNC-2B (4 HOLES) .70 MIN FULL THREAD. THESE HOLES FIT A GAGE HAVING A RABBIT 4.5005 DIA. AND 4 PINS .2917 DIA. LOCATED ON THE BASIC HOLE POSITIONS.

5	K	48	143TC 145TC	13.84	11.60	8.43							
4	K	49	143TC 145TC	13.09	10.85	7.68							
3	K	49	143TC 145TC	14.40	12.16	8.99							
2	K	49	143TC 145TC	12.56	10.32	7.15							
1	K	46	143TC 145TC	11.96	9.72	6.55	6	K	49	143TC 145TC	15.04	12.8	9.63
P	TYPE	RBC SIZE	NEMA FR	C	AG	MIN. SHELL	P	TYPE	RBC SIZE	NEMA FR	C	AG	MIN. SHELL

							TOLERANCES UNLESS SPECIFIED		<b>REGAL-BELOIT CORPORATION</b>			DRAWN BJ 06/08/93		
							DEC.	INCHES				CHK		
							PKG	.X	±0.1	APPD B.L.J 05/08/93				
6	REDRAWN IN DRAFT SIGHT NO CHANGES			UD	10/18/12		.XX	±0.02	TITLE			SCALE 1=1		
5	CHG TO RBC FORMAT PER ISO5-1777			SD	03/07/06		.XXX	±0.005	FMF: 40 FR. REDESIGN TEFC - BALL BEARING - R2 END MOUNTED			REF		
4	ADDED P6			RK	04/27/05		.XXXX	±0.0005	MAT'L.			FMF		
NO.	REVISION			BY & DATE	CHK	ANG	±1.0	FINISH			PREV			
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT							RFP	CAD FILE			52A107853	SIZE	DRAWING NO.	REV.
							DIST				A	52A107853	6	

SHEET —  
REV —  
113A930FIG2 2  
SIZE DRAWING NO. A

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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

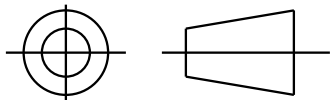
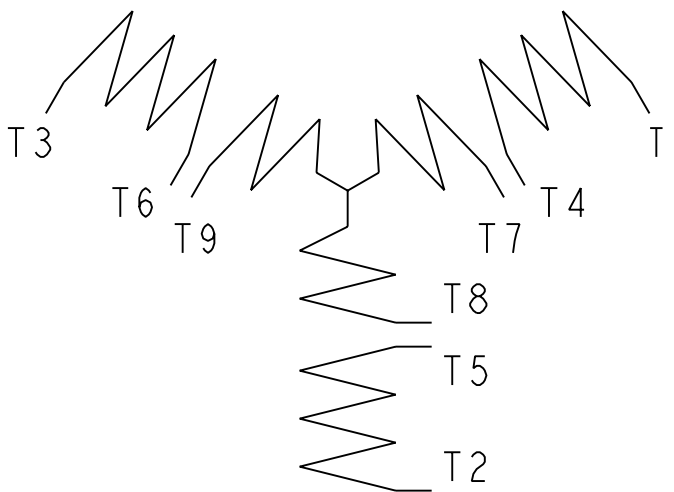


FIG. 2

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 113A930FIG2 REV 2

SCALE: 1.000 REF. No: SHEET 1 of 1