

PRODUCT INFORMATION PACKET

Model No: 5K38RN30

Catalog No: K163

General Purpose Motor, 1 HP, 3 Ph, 60 Hz, 208-230/460 V, 3600 RPM, 56 Frame, TEFC



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Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	3.2-3.0,1.5 A	Speed	3450 rpm
Service Factor	1.25	Phase	3
Efficiency	78.5 %	Power Factor	0
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	L
Frame	56	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Yes
CE	N	Number of Speeds	1

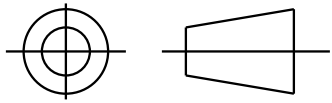
Technical Specifications

Electrical Type	Three Phase	Starting Method	N/R
Poles	2	Rotation	Counterclockwise/Clockwise
Mounting	Rigid Base	Motor Orientation	ANY
Drive End Bearing	BALL	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Overall Length	12.36 in
Frame Length	7.22 in	Shaft Diameter	0.630 in
Shaft Extension	1.88 in		
Connection Drawing	113A930FIG2	Outline Drawing	52A102069P6

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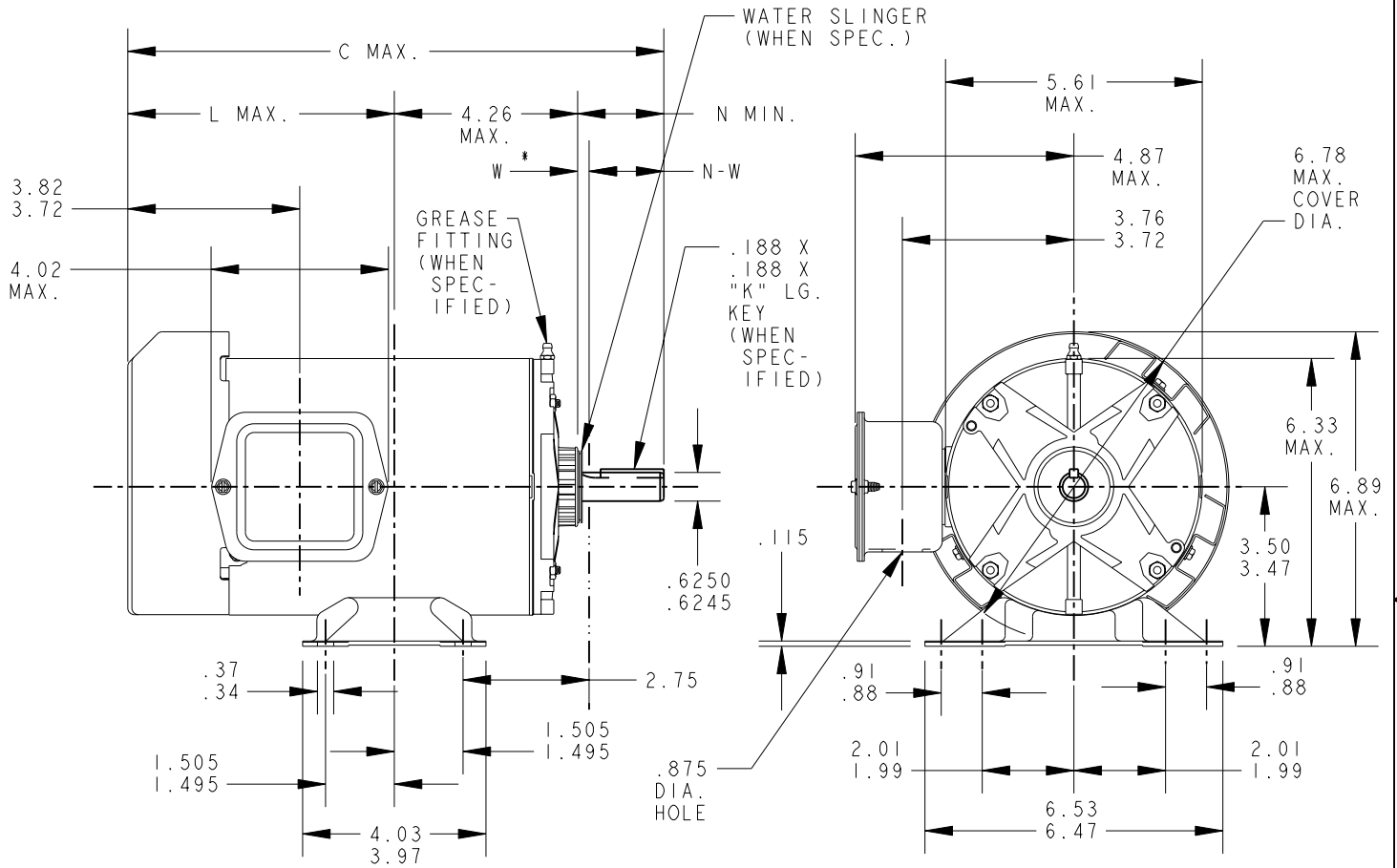
SHEET 1
REV 9
52A102069
SIZE DRAWING NO. A

THIRD ANGLE PROJECTION



REVISIONS


REV.	DESCRIPTION	DATE	APPROVED
7	REVISED & REDRAWN	11/09/90	B.L.J
8	REVISED BASE SLOT LOCATION	03/07/91	B.L.J
9	CHG MADE AS PER ISO5-3080	12/06/05	GOVARDAN



W * IS A CLEARANCE DUE TO VARIATION IN PARTS AND ASSEMBLY

5	K	KH	37	56	11.76	1.38	5.58	1.88	2.01/1.79											
4	K	KH	36	56	11.36	1.38	5.18	1.88	2.01/1.79	9	K	KH	39	56Z	10.05	1.38	3.87	1.88	2.01/1.79	4.91
3	K	KH	35	56	10.93	1.38	4.75	1.88	2.01/1.79	8	K	KH	38	56Z	16.23	1.38	6.18	5.75	5.88/5.66	
2	K	KH	33	56	10.55	1.38	4.37	1.88	2.01/1.79	7	K	KH	39	56	12.89	1.38	6.71	1.88	2.01/1.79	7.75
1	K	KH	32	56	10.30	1.38	4.12	1.88	2.01/1.79	6	K	KH	38	56	12.36	1.38	6.18	1.88	2.01/1.79	
P	TYPE	GE SIZE	NEMA FR.	C	K	L	N	N-W	SHELL LGTH.	P	TYPE	GE SIZE	NEMA FR.	C	K	L	N	N-W	SHELL LGTH.	

SIGNATURES		DATE
MODEL	F.P.K	25/01/77
DETAIL	.	.
CHECKED	.	.
ENGRG	.	.
MFG	.	.
FOR ADDITIONAL INFO REFER TO:	QUALITY	.
APPLIED PRACTICES	ISSUED	B.L.J 03/07/91
DIMENSIONS ARE IN INCHES ✓	SOLID MODEL: 52A102069	



REGAL-BELOIT CORPORATION

TITLE

OUTLINE

GENERAL PURPOSE MOTOR - FORM N - TOTALLY ENCLOSED

OUTBOARD FAN - WELDED BASE - BALL OR SLEEVE BEARING

SIZE DRAWING: A

SCALE: 1.000 REF. No: . SHEET 1 of 1

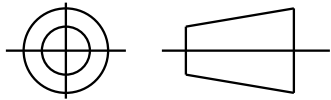
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REVISIONS

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



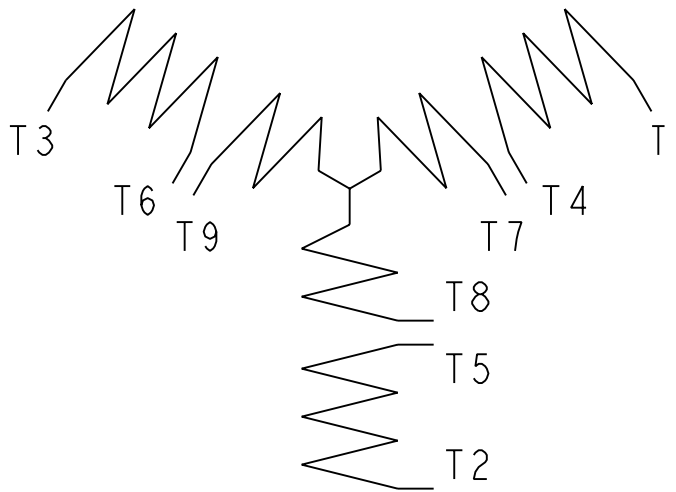
SHEET 2

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 A

113A930FIG2

REV 2

SCALE: 1.000

REF. No: .

SHEET 1 of 1

