

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 5K33JNA943

Catalog No: K253

General Purpose Motor, 0.33 HP, 3 Ph, 60 Hz, 208-230/460 V, 1800 RPM, 56C Frame, TEFC



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RegalRexnord

Nameplate Specifications

Output HP	0.33 Hp	Output KW	0.25 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	1.5-1.6,0.8 A	Speed	1725 rpm
Service Factor	1.3	Phase	3
Efficiency	68.8 %	Power Factor	0
Duty	Continuous	Insulation Class	B
KVA Code	L	Frame	56C
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		

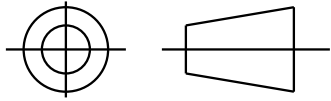
Technical Specifications

Electrical Type	Three Phase	Starting Method	N/R
Poles	4	Rotation	Counterclockwise/Clockwise
Mounting	Round	Motor Orientation	ANY
Drive End Bearing	LOCKED	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Overall Length	10.6 in
Frame Length	5.41 in	Shaft Diameter	0.630 in
Shaft Extension	1.88 in		
Outline Drawing	52A102407P2	Connection Drawing	113A930FIG2

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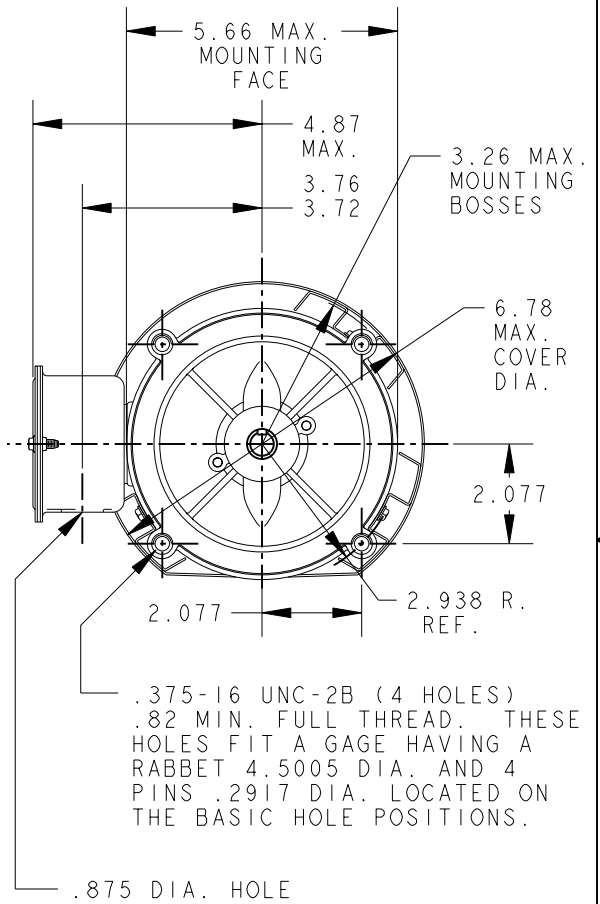
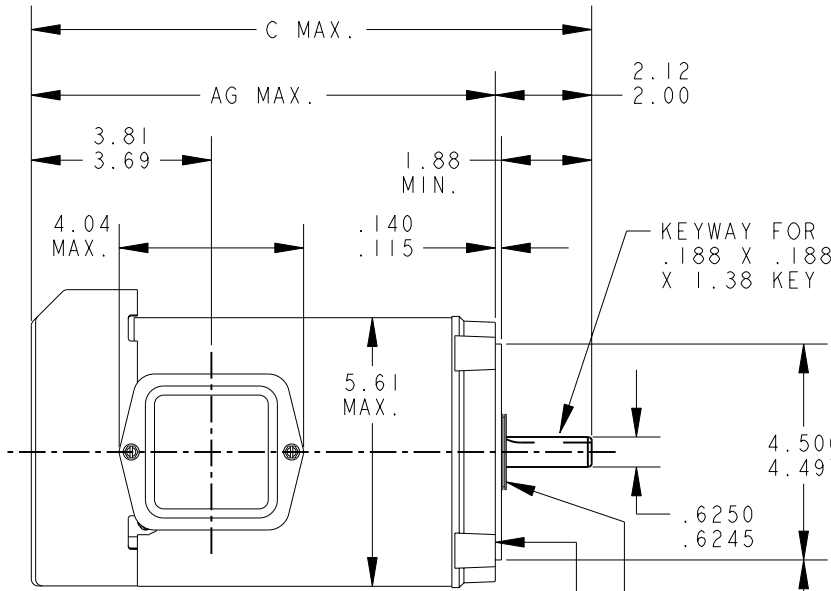
SHEET 1
REV 5
52A102407

THIRD ANGLE PROJECTION



REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
3	REVISED AND REDRAWN	11/09/90	BLJ
4	MADE CHG AS PER IS05-1876	08/09/05	PRAVEEN.K
5	CHG TO RBC FORMAT PER IS05-1777	01/04/06	PRAVEEN.K




FACE RUNOUT (WITH INDICATOR MOUNTED STATIONARY RELATIVE TO SHAFT) MUST NOT EXCEED .004 T.I.R.

WATER SLINGER (WHEN SPECIFIED)

ECCENTRICITY OF THIS SURFACE (WITH INDICATOR MOUNTED STATIONARY RELATIVE TO SHAFT) MUST NOT EXCEED .004 T.I.R.

6	K	38	56C	12.36	10.28
5	K	37	56C	11.76	9.68
4	K	36	56C	11.36	9.28
3	K	35	56C	10.93	8.85
2	K	33	56C	10.55	8.47
1	K	32	56C	10.30	8.22
P	TYPE	GE SIZE	NEMA FR	C	AG

SIGNATURES		DATE
MODEL	H. OSBORNE	09/06/77
DETAIL	.	.
CHECKED	.	.
ENGRG	.	.
MFG	.	.
FOR ADDITIONAL INFO REFER TO:	QUALITY	.
APPLIED PRACTICES	ISSUED	B.L.J. 11/09/90
DIMENSIONS ARE IN INCHES ✓	SOLID MODEL: 52A102407	



REGAL-BELOIT CORPORATION

TITLE
OUTLINE

GENERAL PURPOSE MOTOR - FORM N - TOTALLY ENCLOSED
OUTBOARD FAN - R2 END MOUNT - BALL OR SLEEVE BEARING

SIZE: DRAWING **52A102407** REV **5**

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

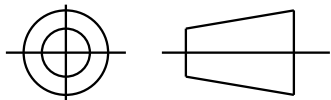
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REVISIONS

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

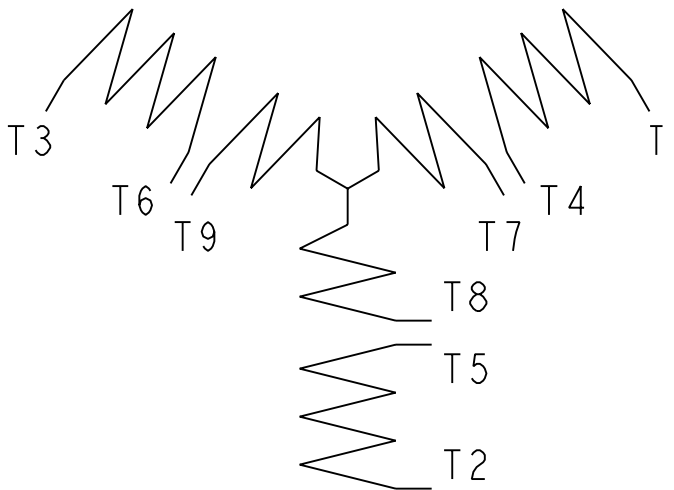


SHEET 113A930FIG2 2

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	



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TITLE CONNECTION DIAGRAM

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