

PRODUCT INFORMATION PACKET



Model No: 5K35MNB114

Catalog No: K254

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

Phase	3	Output HP	0.50 Hp
Output KW	0.37 kW	Voltage	208-230/460 V
Speed	1725 rpm	Service Factor	1.25
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	76.1 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	2.1-2.2,1.1 A	Power Factor	0
Duty	Continuous	Insulation Class	B
KVA Code	K	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	10.93 in
Frame Length	5.79 in	Shaft Diameter	0.630 in
Shaft Extension	1.88 in		
Connection Drawing	113A930FIG2	Outline Drawing	52A102407P3

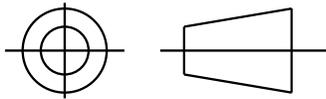
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SHEET
REV
5

52A102407

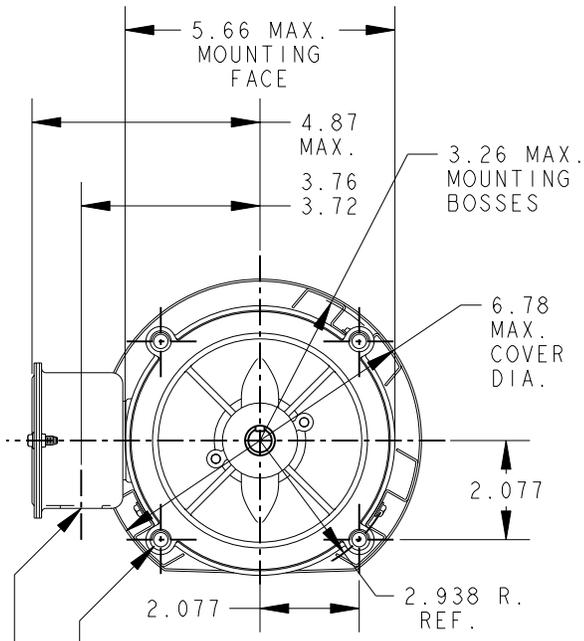
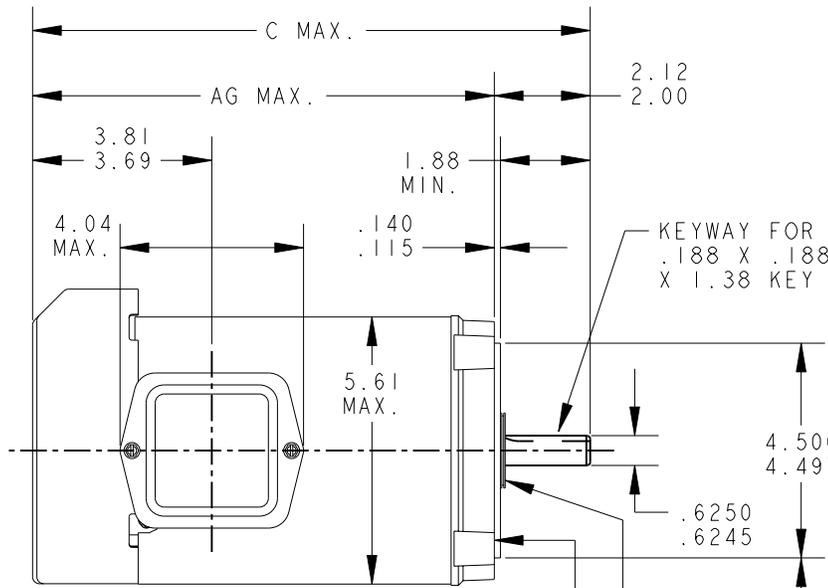
SIZE DRAWING NO.
A

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.

.375-16 UNC-2B (4 HOLES) .82 MIN. FULL THREAD. THESE HOLES FIT A GAGE HAVING A RABBET 4.5005 DIA. AND 4 PINS .2917 DIA. LOCATED ON THE BASIC HOLE POSITIONS.

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	.	.
QUALITY	.	.
ISSUED	B.L.J.	11/09/90
SOLID MODEL: 52A102407		



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TITLE
OUTLINE

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

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

FOR ADDITIONAL INFO REFER TO:
APPLIED PRACTICES
DIMENSIONS ARE IN INCHES ✓
MATERIAL



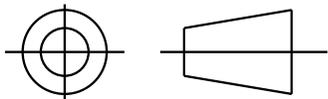
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REVISIONS

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



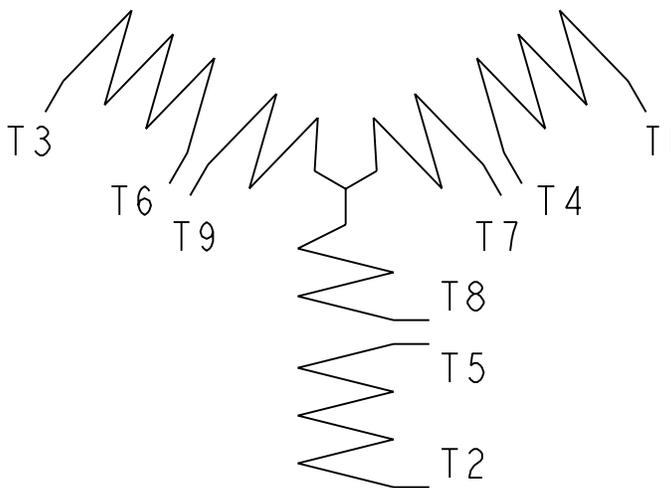
SHEET 2

SIZE DRAWING NO. A



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



CERTIFICATION DATA SHEET

Model#: 5K35MNB114 WINDING#: ---
 CONN. DIAGRAM: - ASSEMBLY: -
 OUTLINE: -

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
-	-	1800	-	-	-	-	-

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
-	-	208- 230/460#190/ 380	-	-	-	-	-	-	-

FULL LOAD EFF: -	3/4 LOAD EFF: 72	1/2 LOAD EFF: 66.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: -	3/4 LOAD PF: 56.9	1/2 LOAD PF: 45.9	0	-	1.3 / .7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
24.3 LB-FT	10.7 / 5.4	90.6 LB-FT 373	102 LB-FT 420	-

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0 LB-FT^2	- LB-FT^2	10 SEC.	2	22 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
-	-	-	-	-	-	FALSE	NONE	-

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
-	-	-	-	-	-	-	-
-	-						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
-	-	-	-	-	FALSE	- VOLTS

If Inverter equals NONE, contact factory for further information

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N
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S
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INVERTER TORQUE: -
INV. HP SPEED RANGE: -
ENCODER: -
- -
NONE - PPR
BRAKE: - NONE
- P/N NONE
- NONE
- FT-LB NONE V NONE Hz

DATE: 06/28/2017 05:41:05 AM
 FORM 3531 REV.3 02/07/99
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