

PRODUCT INFORMATION PACKET

Model No: 5K35MNB114

Catalog No: K254

1/2 HP General Purpose Motor, 3 phase, 1800 RPM, 208-230/460 V, 56C Frame, TEFC
Three Phase TEFC Motors



Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	2.1-2.2,1.1 A	Speed	1725 rpm
Service Factor	1.25	Phase	3
Efficiency	76.1 %	Power Factor	0
Duty	Continuous	Insulation Class	B
KVA Code	K	Frame	56C
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	N/R
Ambient Temperature	40 °C	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Yes	CE	N

Technical Specifications

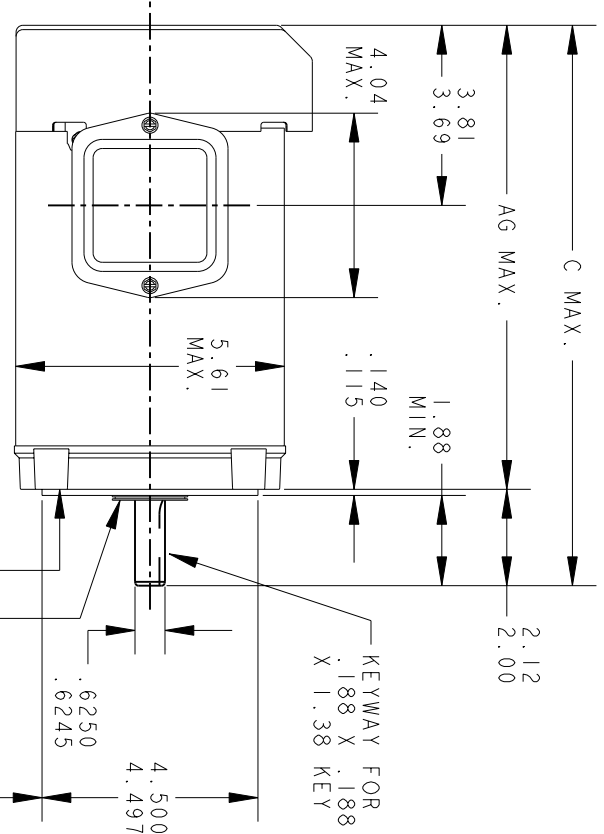
Electrical Type	Three Phase	Starting Method	N/R
Poles	4	Rotation	Counterclockwise/Clockwise
Mounting	Round	Motor Orientation	ANY
Drive End Bearing	LOCKED	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Overall Length	10.93 in
Frame Length	5.79 in	Shaft Diameter	0.630 in
Shaft Extension	1.88 in		
Connection Drawing	113A930FIG2	Outline Drawing	52A102407P3

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THIRD ANGLE PROJECTION



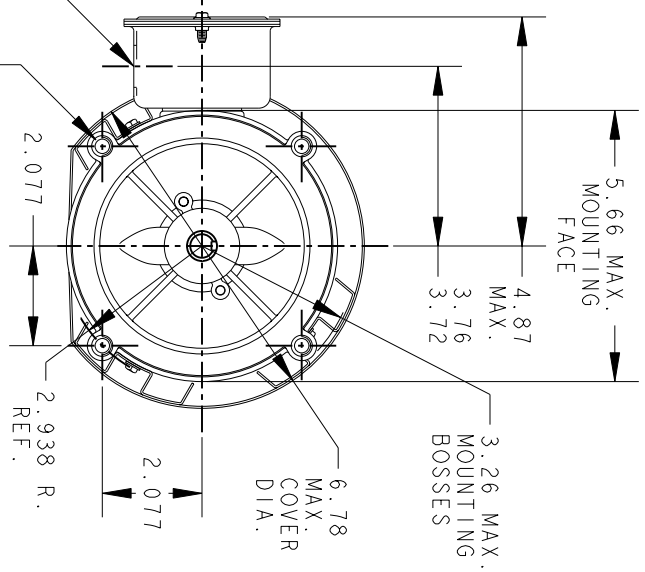
REV.	DESCRIPTION	DATE	APPROVED
3	REVISED AND REDRAWN	11/09/90	BLJ
4	MADE CHG AS PER 1S05-1876	08/09/05	PRAVEEN.K
5	CHG TO RBC FORMAT PER 1S05-1777	01/04/06	PRAVEEN.K



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 RABBIT 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		
APPLIED PRACTICES	QUALITY	
DIMENSIONS ARE IN INCHES	ISSUED	B.L.J. 11/09/90
MATERIAL	SOLID MODEL: 52A102407	



REGAL-BELOTT CORPORATION

OUTLINE

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

52A102407

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

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
1	CHG TO RBC FORMAT PER IS05-1777	06/15/06	MADHU
2	RENAMED 113A930_FIG-2 TO 113A930FIG2 PER IS07-0972	05/08/07	MADHU

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THIRD ANGLE PROJECTION

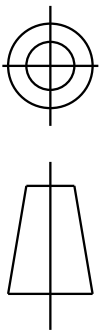
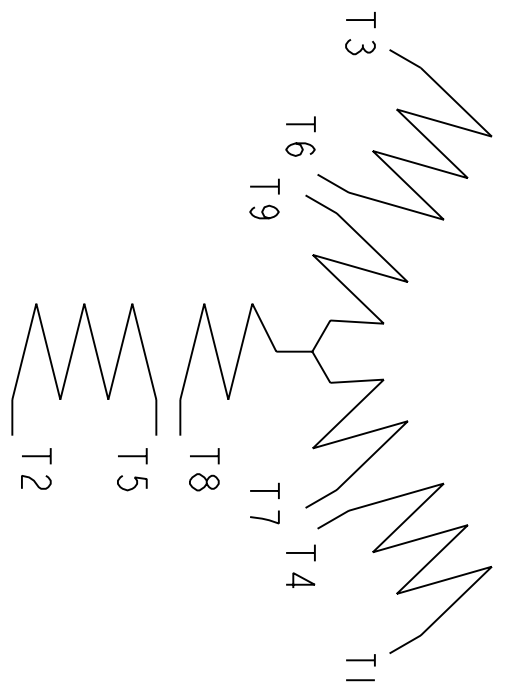


FIG. 2

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. PAPER		02/25/03
DIMENSIONS ARE IN INCHES				
TOLERANCE ON:				
1 PL DECIMALS ± 0.1				
2 PL DECIMALS ± 0.02				
3 PL DECIMALS ± 0.005				
ANGLES ± 1.0				
FRACTIONS ±				
FINISH	QUALITY	M.D. PAPER		02/25/03
	ISSUED			
MATERIAL	SOLID MODEL: 113A930F1G2			



REGAL-BELOIT CORPORATION

CONNECTION DIAGRAM

TITLE	SIZE	DRAWING	REV
	A		2
SCALE: 1.000	REF. No.:		
113A930FIG2		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

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

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