

# PRODUCT INFORMATION PACKET



Model No: 5KC33FN31  
Catalog No: C1419  
General Purpose Motor, 1/3 HP, 1 Ph, 60 Hz, 115/230 V, 56C Frame, TEFC



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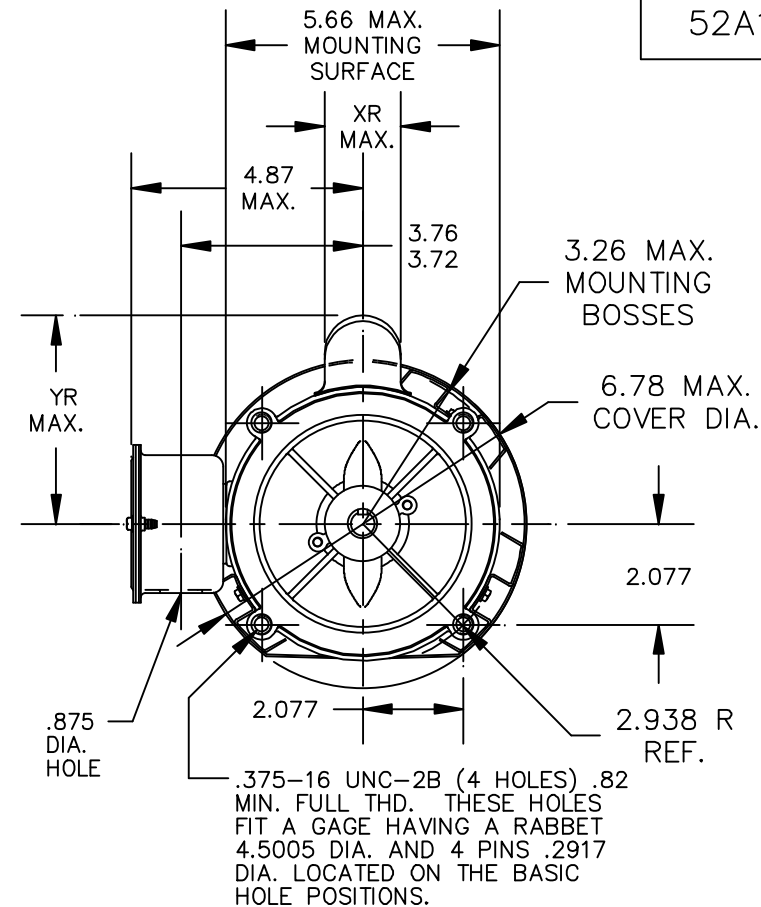
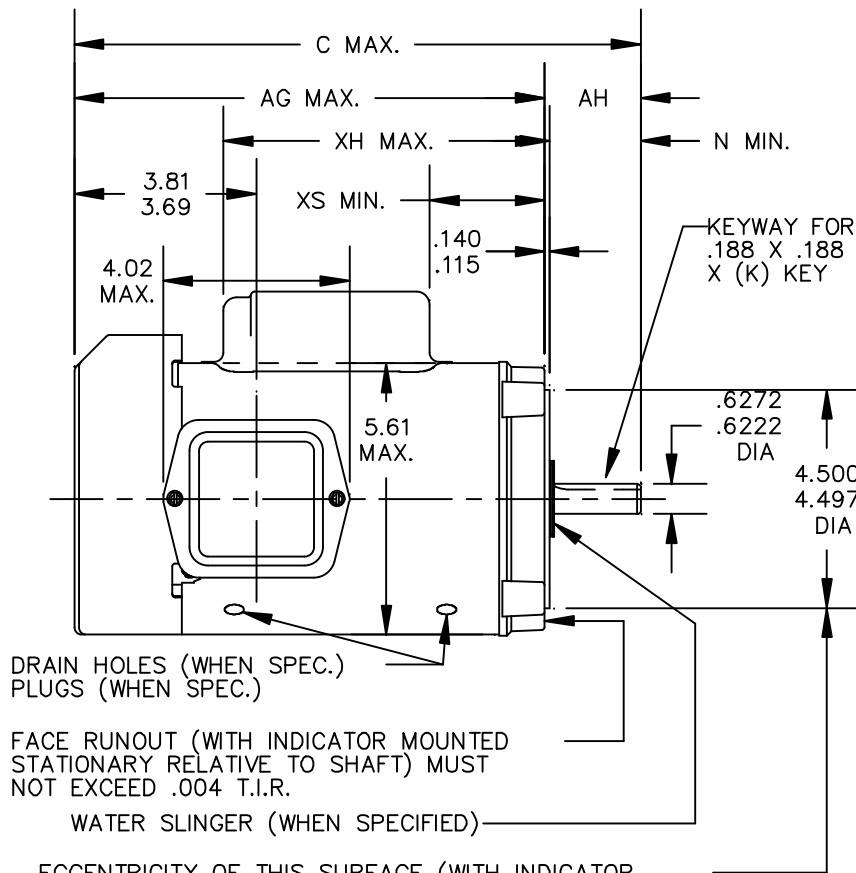
### Nameplate Specifications

Phase	1	Output HP	1/3 Hp
Output KW	0.25 kW	Voltage	115/230 V
Speed	3450 rpm	Service Factor	1.15
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Frequency	60 Hz	Current	5.6/2.8 A
Power Factor	0	Duty	Continuous
Insulation Class	B	KVA Code	L
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N		


### Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Counterclockwise/Clockwise
Motor Orientation	Any	Drive End Bearing	Locked
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56C	Shaft Diameter	0.625 in
Connection Drawing	52A105381BA	Outline Drawing	52A102402P2

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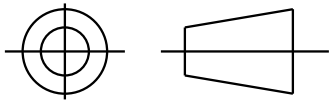


10	KC	32	56C	10.30	8.22	5.94	1.56	1.60	4.34	2.12/2.00	1.88	1.38
9	KC	38	56C	12.36	10.20	7.02	2.03	1.60	4.34	2.12/2.00	1.88	1.38
8	KC	35	56C	10.93	8.85	6.20	1.77	2.22	4.96	2.12/2.00	1.88	1.38
7	KC	37	56C	12.26	9.68	7.02	1.43	1.60	4.34	2.62/2.50	2.38	1.38
6	KC	33	56C	10.55	8.47	5.81	1.43	2.22	4.96	2.12/2.00	1.88	1.38
5	KC	37	56C	11.76	9.68	7.02	1.43	1.60	4.34	2.12/2.00	1.88	1.38
4	KC	36	56C	11.36	9.23	6.62	1.43	1.60	4.34	2.12/2.00	1.88	1.38
3	KC	35	56C	10.93	8.85	6.19	1.81	1.60	4.34	2.12/2.00	1.88	1.38
2	KC	33	56C	10.55	8.47	5.81	1.43	1.60	4.34	2.12/2.00	1.88	1.38
1	KC	32	56C	10.30	8.22	5.56	1.18	1.60	4.34	2.12/2.00	1.88	1.38
P	TYPE	RBC SIZE	NEMA FR	C	AG	XH	XS	XR	YR	AH	N	K

				TOLERANCES UNLESS SPECIFIED					DRAWN B.A.C 08/30/77				
				DEC.	INCHES		REGAL-BELOIT CORPORATION					CHK	
15	RE DRAWN IN DRAFTSIGHT -NO CHANGES		GR 09/08/12	PKG	.X	±0.1		 REGAL-BELOIT CORPORATION TITLE OUTLINE TOTALLY ENCLOSED - OUTBOARD FAN - R2 END MOUNT					APPD B.L.J 05/04/93
14	CHG TO RBC FOMAT AS PER IS05-1777		GOV 01/02/06		.XX	±0.02							SCALE 1=1
13	REVISED LOCATION OF "XH" DIM.		M.D.P12/14/98		.XXX	±0.005		REF					
12	ADDED PT#10		B.L.J 06/25/93		.XXXX	±0.0005		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 52A102402			SIZE A	DRAWING NO. 52A102402	REV. 15			
				DIST									

SHEET 1  
REV 3  
SIZE DRAWING NO. 52A105381BA

THIRD ANGLE PROJECTION

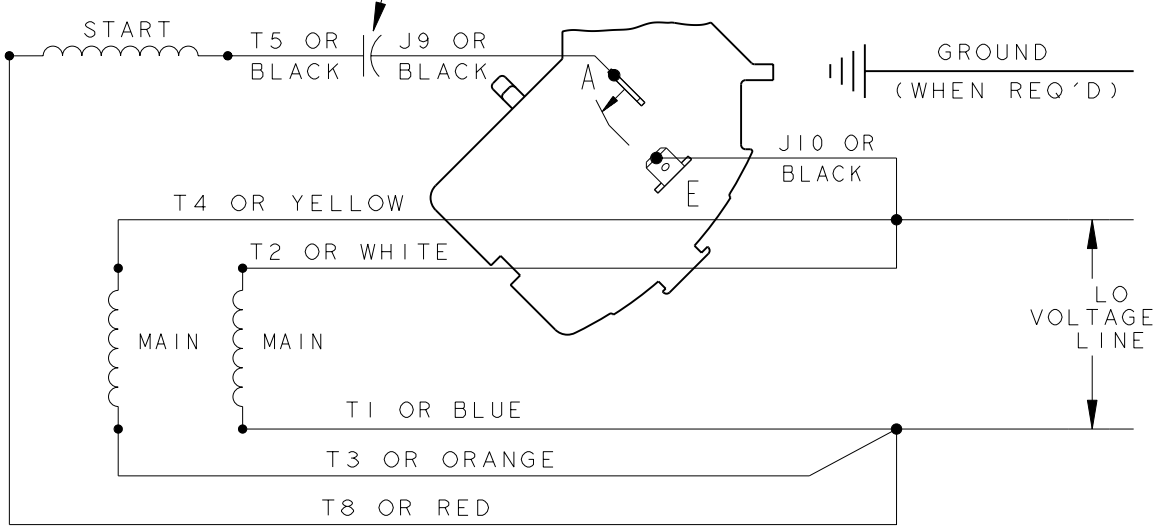


REVISIONS

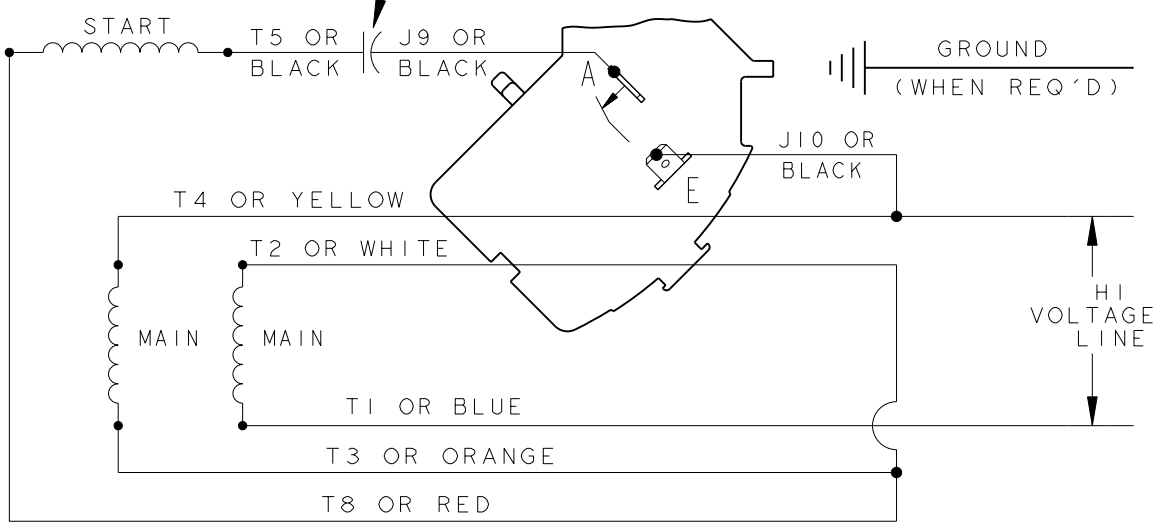
REV.	DESCRIPTION	DATE	APPROVED
3	UPDATED FORMAT	01/04/06	MAM

CCW/CW ROTATION - DUAL VOLTAGE  
TYPE KC OR KH

CAPACITOR AS SHOWN FOR KC MOTORS ONLY. LEAD T5 BLACK CONNECTED DIRECTLY TO TERMINAL BOARD FOR KH MOTORS.



CAPACITOR AS SHOWN FOR KC MOTORS ONLY. LEAD T5 BLACK CONNECTED DIRECTLY TO TERMINAL BOARD FOR KH MOTORS.




NOTE#1 - TO REVERSE ROTATION, INTERCHANGE T8 RED AND J10 BLACK LEADS.  
NOTE#2 - WHEN MORE THAN ONE CAPACITOR IS USED, CONNECT IN PARALLEL.

SWITCH (H) - 115D958AA

REF. DIAG. - 113A326

CONNECTION LABEL - 52X332917

SIGNATURES		DATE
MODEL	M. D. PAPE	06/29/87
DETAIL	.	.
CHECKED	.	.
ENGRG	.	.
MFG	.	.
FOR ADDITIONAL INFO REFER TO:	QUALITY	.
APPLIED PRACTICES	ISSUED	M. D. P. 06/29/87
DIMENSIONS ARE IN INCHES ✓	SOLID MODEL: 52A105381BA	



**REGAL-BELOIT CORPORATION**

**TITLE CONNECTION DIAGRAM**

**FMF: 30 FRAME SWITCH REDESIGN**

SIZE DRAWING: A

SCALE: 1.000 REF. No: .

**52A105381BA**

REV 3

SHEET 1 of 1