PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 5KH36NN37
Catalog No: HG140
1/3,1725,TENV,48,1/60/230
Single Phase

REGAL®

marathon® Motors

Nameplate Specifications

Output HP	**0.33 Hp**	Output KW	**0.25 kW**
Frequency	**60 Hz**	Voltage	**230 V**
Current	**2.5 A**	Speed	**1725 rpm**
Service Factor	**1**	Phase	**1**
Efficiency	**64.5 %**	Duty	**CONT**
Insulation Class	**B**	KVA Code	**P**
Frame	**48**	Enclosure	**TENV**
Overload Protector	**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	**Split Phase**	Starting Method	**SM**
Poles	**4**	Rotation	**CCW/CW**
Mounting	**RB**	Motor Orientation	**ANY**
Drive End Bearing	**BALL**	Opp Drive End Bearing	**BALL**
Frame Material	**Rolled Steel**	Overall Length	**10 in**
Frame Length	**6.22 in**	Shaft Diameter	**0.5 in**
Shaft Extension	**1.5 in**		
Outline Drawing	**52A101954P4**	Connection Diagram	**52A105377AA**

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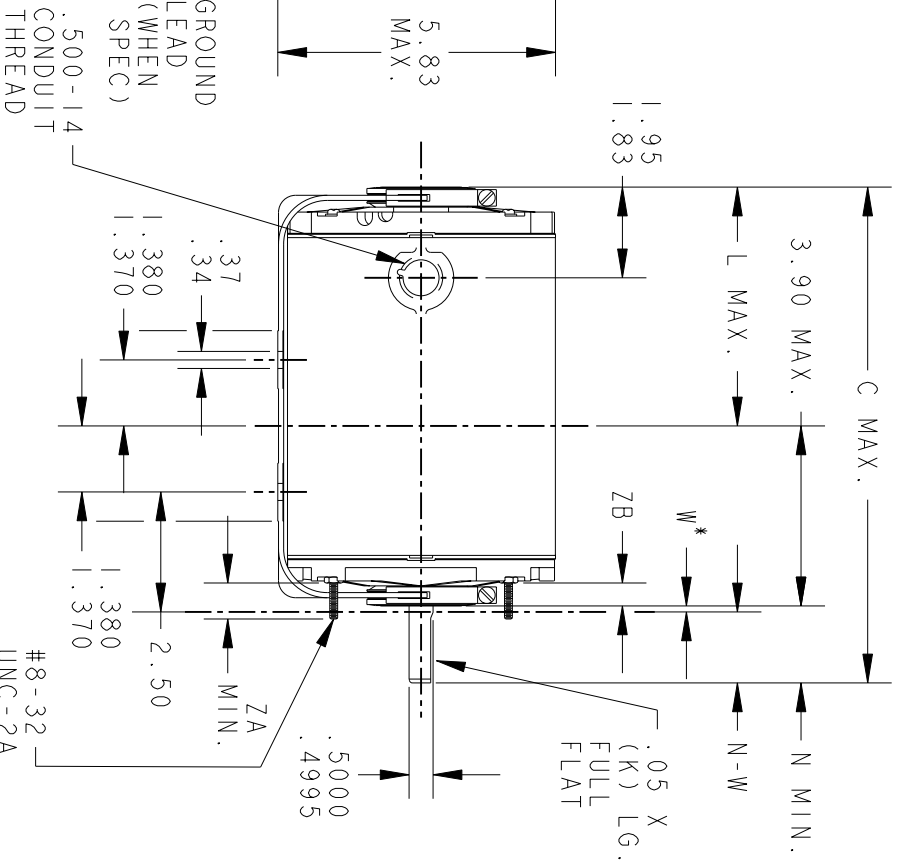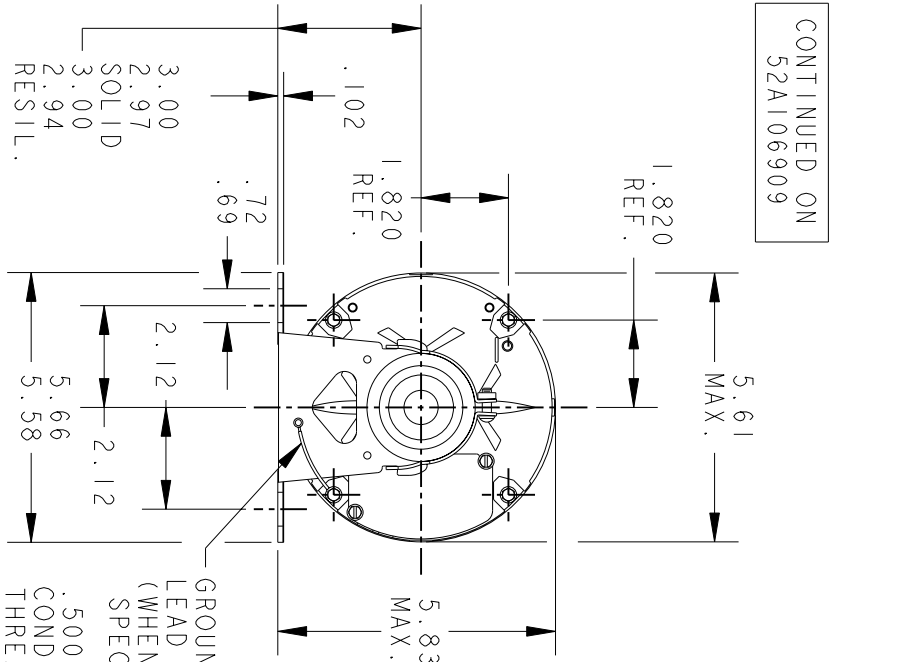
THIRD ANGLE PROJECTION

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

3.00
2.97 SOLID
3.00
2.94 RESIL.

P	TYPE	RBC SIZE	NEMA FR	C	K	L	N	N-W	ZB	ZA
7	K	36	48Z	10.50	1.66	4.65	2.00	2.13/1.91	.55/.52	.62
6	KH	32	48	8.94	1.16	3.59	1.50	1.63/1.41	.55/.52	1.31
5	KH	37	48	10.40	1.16	5.05	1.50	1.63/1.41	.55/.52	.62
4	KH	36	48	10.00	1.16	4.65	1.50	1.63/1.41	.55/.52	.62
3	KH	35	48	9.57	1.16	4.22	1.50	1.63/1.41	.55/.52	.62
2	KH	33	48	9.19	1.16	3.84	1.50	1.63/1.41	.55/.52	.62
1	KH	32	48	8.94	1.16	3.59	1.50	1.63/1.41	.55/.52	.62

.102
1.820 REF.
.72
.69
2.12
5.66
5.58
2.12
1.820 REF.
5.61 MAX.
5.83 MAX.

GROUND LEAD (WHEN SPEC.)
.500-14 CONDUIT THREAD

1.95
1.83
.37
.34
1.380
1.370
1.380
1.370
2.50
3.90 MAX.
L MAX.
C MAX.
ZB
W*
.05 X (K) LG. FULL FLAT
N-W
N MIN.
ZA MIN.
.5000
.4995
#8-32 UNC-2A 4 SCREWS

MATERIAL

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

SOLID MODEL: 52A101954

	SIGNATURES	DATE
MODEL	F.P.K	10/18/16
DETAIL		
CHECKED		
ENGRG		
MFG		
QUALITY		
ISSUED	MDP	05/24/96

TITLE
OUTLINE
FORM N - GENERAL PURPOSE MOTOR - TENV -
SOLID OR RESIL BASE - BALL OR SLEEVE BEARING

REGAL-BELOIT CORPORATION

SIZE DRAWING A

52A101954 | REV 10

SHEET 1 OF 1

SCALE: 1.000 | REF. No.:
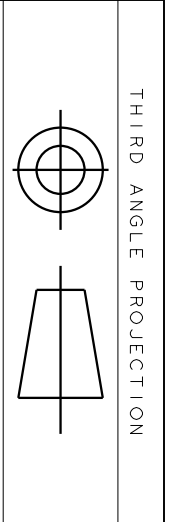
THIRD ANGLE PROJECTION

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
1	UPDATED FORMAT	11/10/05	MAM

EITHER ROTATION - SINGLE VOLTAGE
TYPE KC, OR KH

MAIN

START

T4 OR YELLOW

T5 OR BLACK

START CAPACITOR FOR KC MOTORS ONLY, LEAD T5 OR BLACK CONNECTED DIRECTLY TO SWITCH FOR KH MOTORS

T8 OR RED

T1 OR BLUE

J9 OR BLACK

LINE
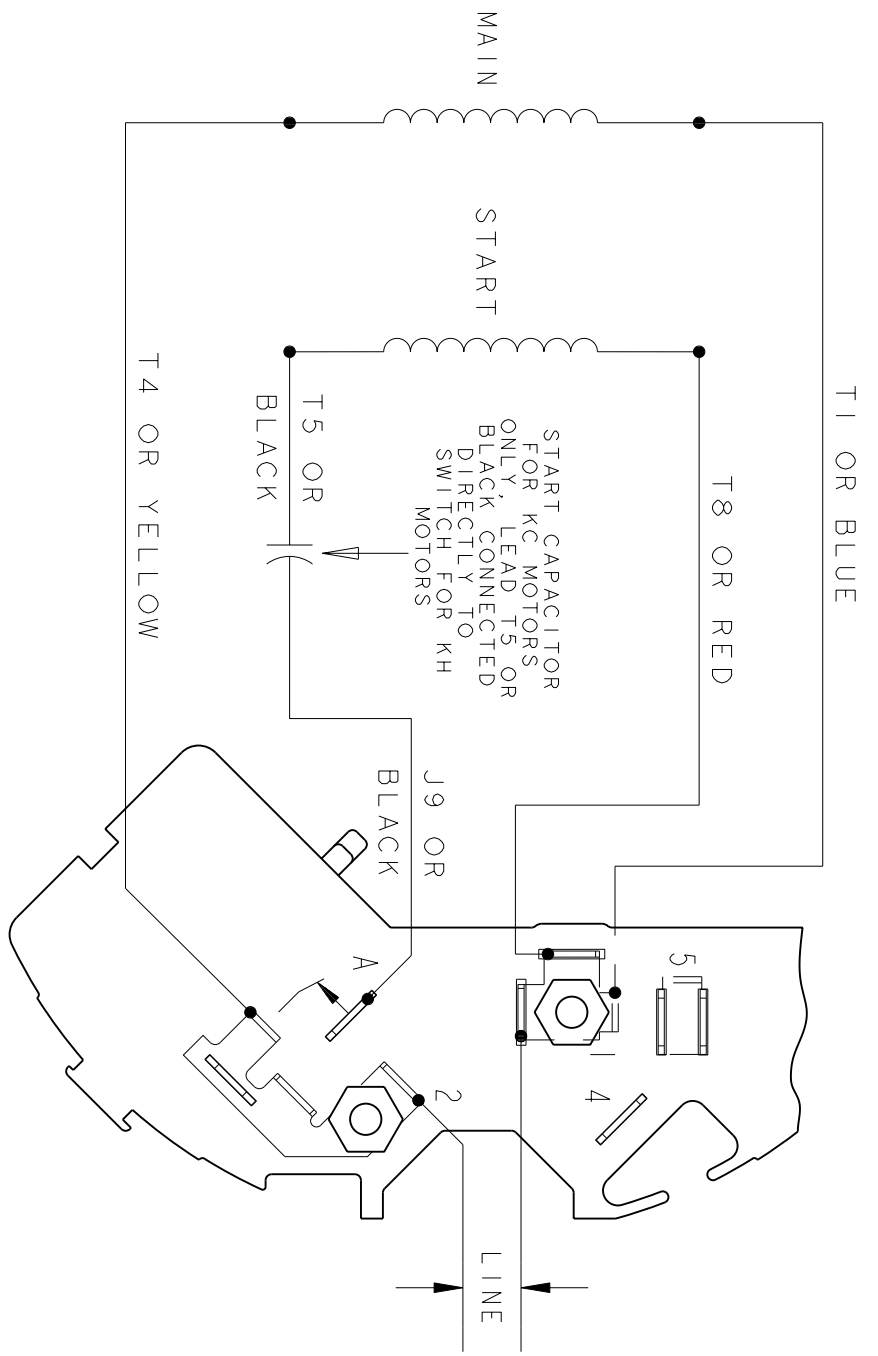
NOTE #1 - TO REVERSE ROTATION INTERCHANGE BLACK (T5-KH OR J9-KC)
AND RED (T8) LEADS.

NOTE #2 - WHEN MORE THAN ONE CAPACITOR IS USED CONNECT IN
PARALLEL.

REF. DIAG. - 121A850

SWITCH (C) - 115D958AB

CONNECTION LABEL - 52X332047

SIGNATURES		DATE
MODEL	M.D.PAPE	06/29/87
DETAIL	.	.
CHECKED	.	.
ENGRG	.	.
MFG	.	.
QUALITY	.	.
ISSUED	M.D.P.	06/29/87

MODEL	MODEL
M.D.P.	.
SOLID MODEL: 52A105377AA	

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

REGAL BELOIT

REGAL-BELOIT CORPORATION

TITLE
FMF: 30 FRAME SWITCH REDESIGN
CONNECTION DIAGRAM

SIZE	DRAWING		
A			
SCALE: 1.000	REF. No.:		

52A105377AA

SHEET 1 OF 1   REV 1