

# PRODUCT INFORMATION PACKET

**marathon**<sup>®</sup>  
Motors

Model No: 5KH39QN9632

Catalog No: H130

1/2-1/6 HP 2 speed Fan and Blower HVAC/R Motor, 1 phase, 1800/1800 RPM, 115 V, 56 Frame, ODP  
Self Cooled Motors



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**REGAL**

### Nameplate Specifications

Output HP	1/2-1/6 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	115 V
Current	8.4,4.8 A	Speed	1725/1140 rpm
Service Factor	1	Phase	1
Efficiency	60.1 %	Power Factor	0
Duty	Continuous	Insulation Class	B
KVA Code	L	Frame	56
Enclosure	Drip Proof	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	Split Phase	Starting Method	SM
Poles	4	Rotation	Counterclockwise/Clockwise
Mounting	Resilient Base	Motor Orientation	ANY
Drive End Bearing	BALL	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Overall Length	10.32 in
Frame Length	6.22 in	Shaft Diameter	0.630 in
Shaft Extension	1.88 in	Thru-bolts Extension	0 in
Outline Drawing	52A106983P1	Connection Drawing	52A106478AA

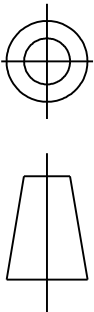
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REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
1	REDRAWN WITHOUT CHANGE	04/28/92	BLJ
2	REDRAWN BY 2M SOFTWARE CO.	03/05/95	CCP
3	CHG TO RBC FORMAT PER IS05-1777	02/15/06	SUDHA

THIRD ANGLE PROJECTION

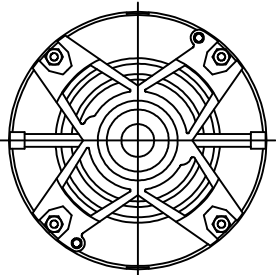


SHEET 1

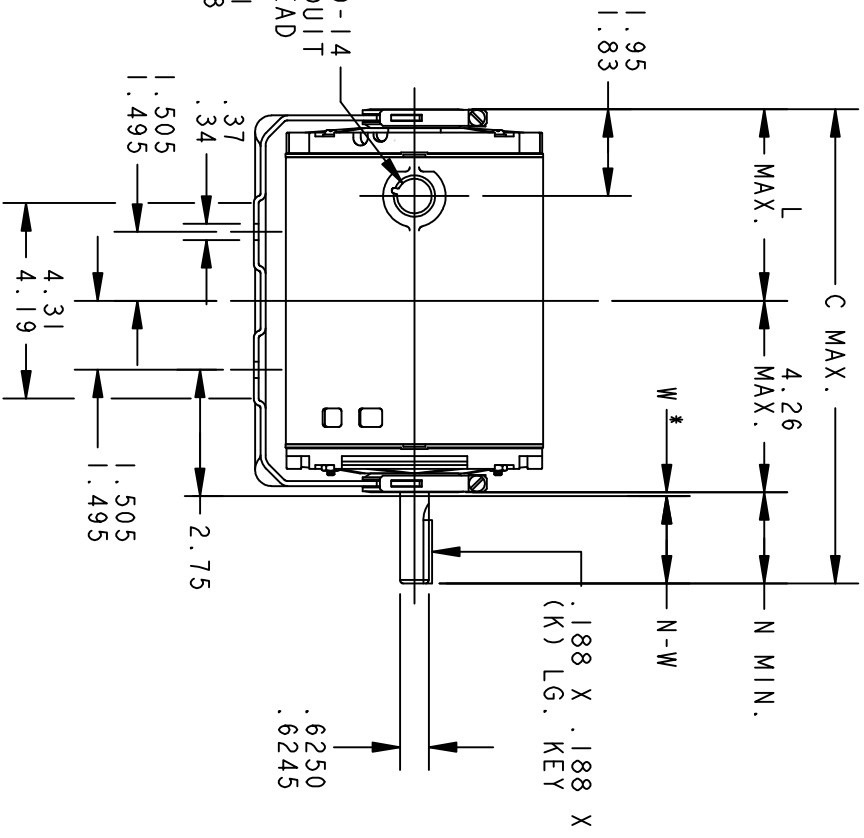
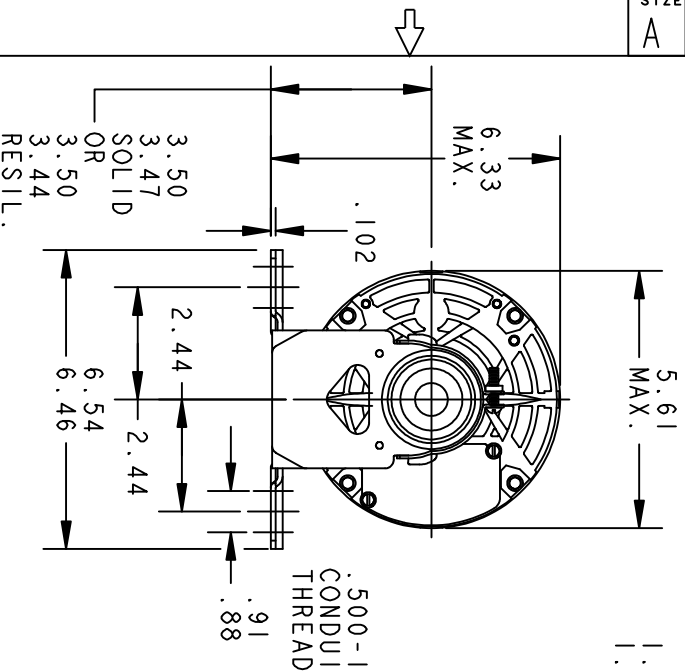
REV 3

52A106983

DRAWING NO. A



VIEW SHOWING P. E. VENTILATION OPENINGS



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

P	KH	36	56	10.32	1.38	4.23	1.88	2.01/1.79
	TYPE	GE SIZE	NEMA FR	C	K	L	N	N-W



REGAL-BELOIT CORPORATION

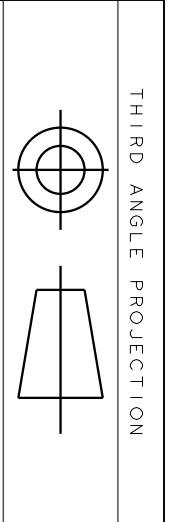
OUTLINE

FORM N - GENERAL PURPOSE MOTOR - DRIP PROOF - SOLID OR RESIL. BASE - BALL OR SLEEVE BEARING F.M.F.: 5KH390N9632

FOR ADDITIONAL INFO REFER TO:	DETAIL	MODEL	M.A.M.	DATE
APPLIED PRACTICES	CHECKED			
DIMENSIONS ARE IN INCHES	ENGRG			
	MFG			
	QUALITY			
	ISSUED	C.C.P.		03/05/95
MATERIAL	SOLID MODEL: 52A106983			

SIZE A DRAWING 52A106983 REV 3

SCALE: 0.250 REF. No. SHEET 1 OF 1



THIRD ANGLE PROJECTION

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
5	UPDATED TO RBC FORMAT	01/09/06	MAM

EITHER ROTATION  
 SINGLE VOLTAGE  
 TYPE KC, KCR, OR KH  
 2 SPEED  
 POLE CHANGING

T1 OR BLUE

T2 OR WHITE

T8 OR RED

J10 OR RED

MAIN (HI)

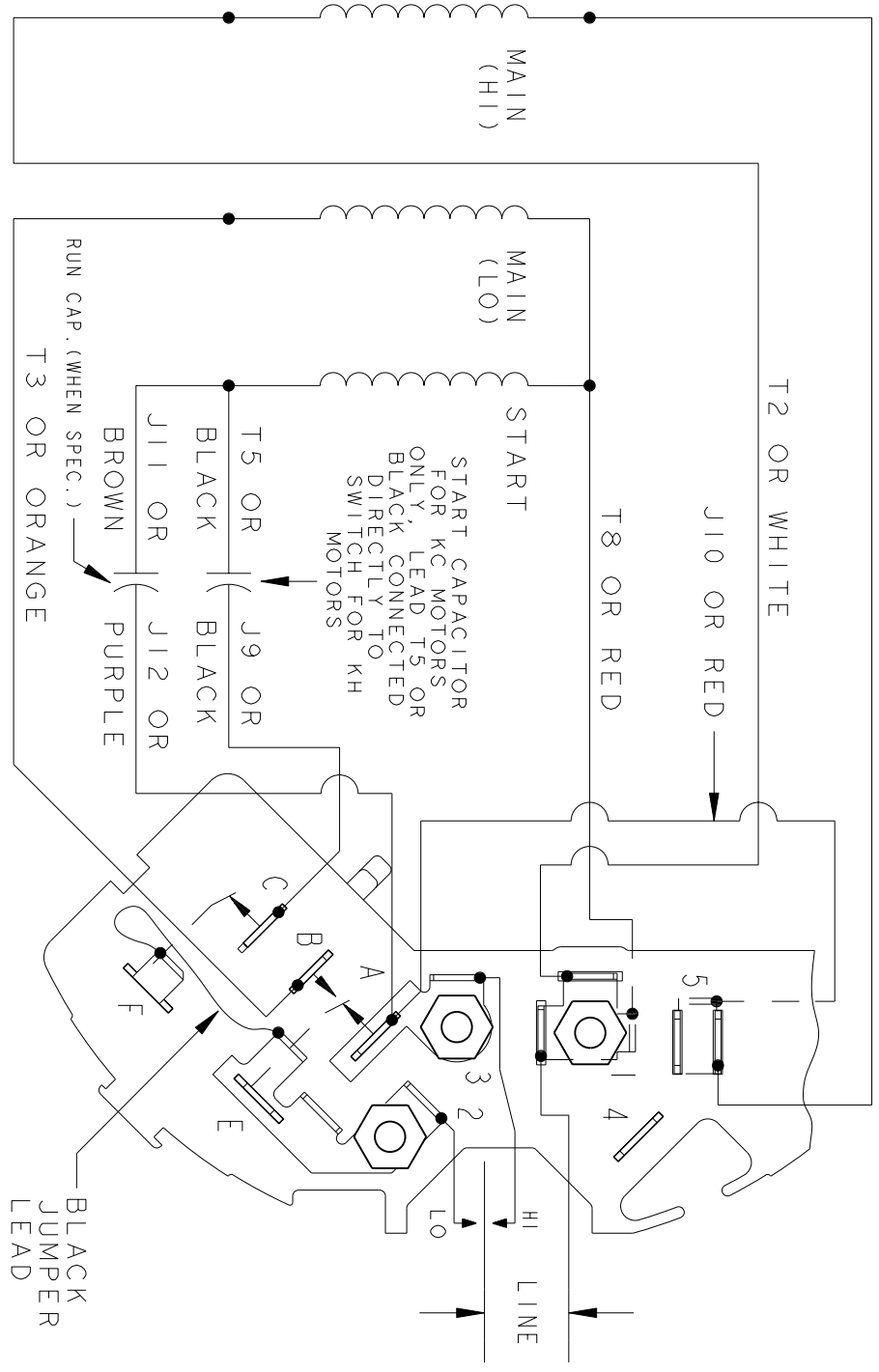
MAIN (LO)

START

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

T5 OR BLACK  
 J11 OR BROWN  
 J9 OR BLACK  
 J12 OR PURPLE  
 RUN CAP. (WHEN SPEC.)  
 T3 OR ORANGE

BLACK  
 JUMPER  
 LEAD



NOTE #1 - TO REVERSE ROTATION INTERCHANGE BLUE (T1) AND WHITE (T2) LEADS.  
 NOTE #2 - WHEN MORE THAN ONE CAPACITOR IS USED CONNECT IN PARALLEL.

SWITCH (D) - 115D9558BA

CONNECTION LABEL - 52X332073

REF. DIAG. - 121A865

SIGNATURES	DATE
MODEL M.D.P.	12/14/87
DETAIL	
CHECKED	
ENGRG	
MFG	
QUALITY	
ISSUED M.D.P.	12/14/87
APPLIED PRACTICES	
DIMENSIONS ARE IN INCHES	
MATERIAL	SOLID MODEL: 52A106478AA



REGAL-BELOLT CORPORATION

TITLE CONNECTION DIAGRAM

FMF: 5KH36KN114G

52A106478AA

SIZE A	DRAWING	SCALE: 1.000	REF. No.:	SHEET 1 of 1
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