

# PRODUCT INFORMATION PACKET

**marathon**<sup>®</sup>  
Motors

Model No: 048S34S2003  
Catalog No: O004  
1/4,3450,SEMI,48N,1/60/115  
Single Phase



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**REGAL**



## Nameplate Specifications

Output HP	0.25 Hp	Output KW	0.19 kW
Frequency	60 Hz	Voltage	115 V
Current	4.2 A	Speed	3450 rpm
Service Factor	1	Phase	1
Efficiency	56.5 %	Duty	CONTINUOUS
Insulation Class	B	Design Code	NO DESIGN CODE
KVA Code	S	Frame	48NZ
Enclosure	SEMI ENCLOSED	Overload Protector	MANUAL
Ambient Temperature	40 °C	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N
IP Code	10		

## Technical Specifications

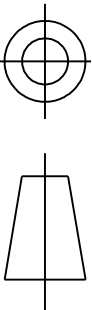
Electrical Type	SPLIT PHASE	Starting Method	ACROSS THE LINE
Poles	2	Rotation	SELECTIVE CW
Mounting	ROUND	Motor Orientation	HORIZONTAL
Drive End Bearing	SLEEVE	Opp Drive End Bearing	SLEEVE
Frame Material	ROLLED STEEL	Shaft Type	SGL SPL EXT
Overall Length	8.13 in	Shaft Diameter	0.5 in
Shaft Extension	2.09 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	52A111274P1	Connection Diagram	52A105379AH

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THIRD ANGLE PROJECTION

REVISIONS



REV.	DESCRIPTION	DATE	APPROVED
1	CHG TO RBC FORMAT PER ISO5-1777	04/28/06	PRAVEEN.K

REV

1

SHEET

1

52A111274

DRAWING NO.

SIZE

A

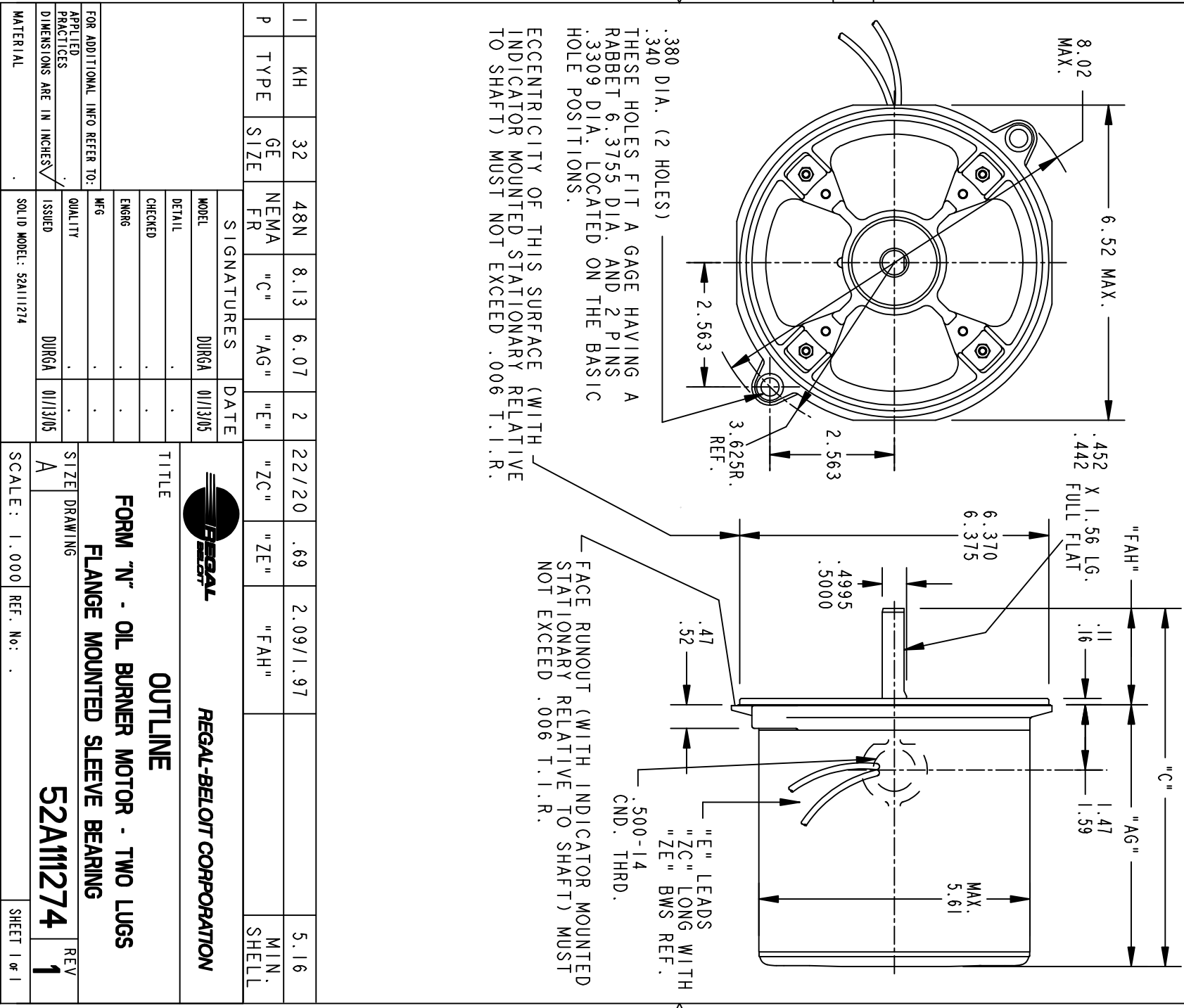


.380 DIA. (2 HOLES)  
.340  
THESE HOLES FIT A GAGE HAVING A  
RABBET 6.3755 DIA. AND 2 PINS  
.3309 DIA. LOCATED ON THE BASIC  
HOLE POSITIONS.

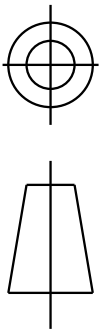
ECCENTRICITY OF THIS SURFACE (WITH  
INDICATOR MOUNTED STATIONARY RELATIVE  
TO SHAFT) MUST NOT EXCEED .006 T.I.R.

FACE RUNOUT (WITH INDICATOR MOUNTED  
STATIONARY RELATIVE TO SHAFT) MUST  
NOT EXCEED .006 T.I.R.

"E" LEADS WITH  
"ZC" LONG WITH  
"ZE" BWS REF.  
.500-14  
CND. THRD.

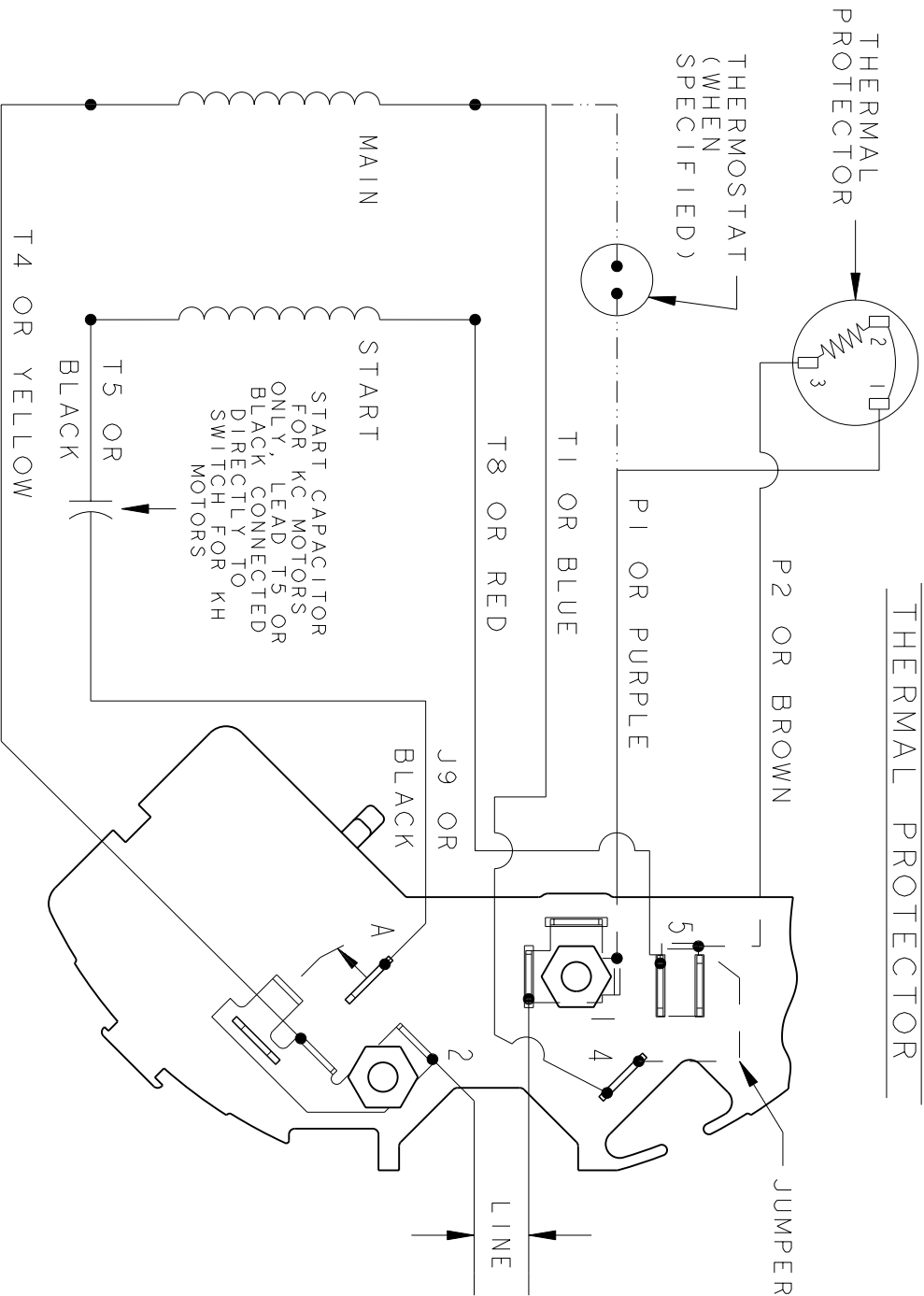


THIRD ANGLE PROJECTION		REVISIONS		
REV.	DESCRIPTION	DATE	APPROVED	
1	UPDATED FORMAT	12/01/05	MAM	



—	REV	DRAWING NO.	SIZE
—	1	52A105379AH	A

EITHER ROTATION - SINGLE VOLTAGE  
TYPE KC OR KH WITH  
THERMAL PROTECTOR



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


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

SWITCH (C) - 115D958AB

REF. DIAGS. - 121A851

CONNECTION LABEL - NP52X332048

		SIGNATURES		DATE	
		MODEL M.D. PAPE		08/18/88	
		DETAIL		.	
		CHECKED		.	
		ENGRG		.	
FOR ADDITIONAL INFO REFER TO:		MFG		.	
APPLIED PRACTICES		QUALITY		.	
DIMENSIONS ARE IN INCHES		ISSUED		M.D.P. 08/18/88	
MATERIAL		SOLID MODEL: 52A105379AH			

			
REGAL-BELOIT CORPORATION			
TITLE			
CONNECTION DIAGRAM			
FMF: 30FR SWITCH REDESIGN (SIM TO 52A105379AA)			
SIZE DRAWING		REV	
A		1	
SCALE: 1.000		REF. No: .	
SHEET 1 of 1			