PRODUCT INFORMATION PACKET

Model No: 048S17D2058
Catalog No: B306
Fan and Blower Motor, 0.50 HP, 1 Ph, 60 Hz, 115 V, 1800 RPM, 48Y Frame, DP



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Nameplate Specifications

Phase	1	Output HP	0.50 Hp
Output KW	0.37 kW	Voltage	115 V
Speed	1725 rpm	Service Factor	1.25
Frame	48Y	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	66 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	7.5 A	Power Factor	69.6
Duty	Continuous	Insulation Class	B
Design Code	NO DESIGN CODE	KVA Code	M
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	22
Number of Speeds	1		

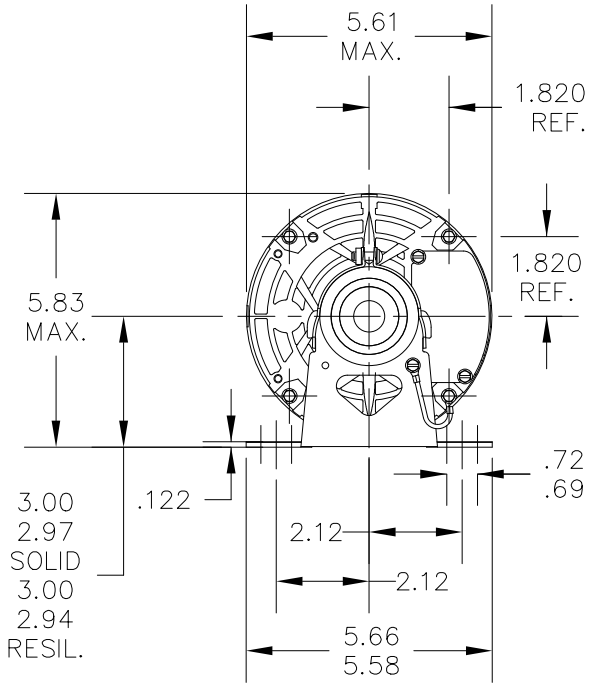
Technical Specifications

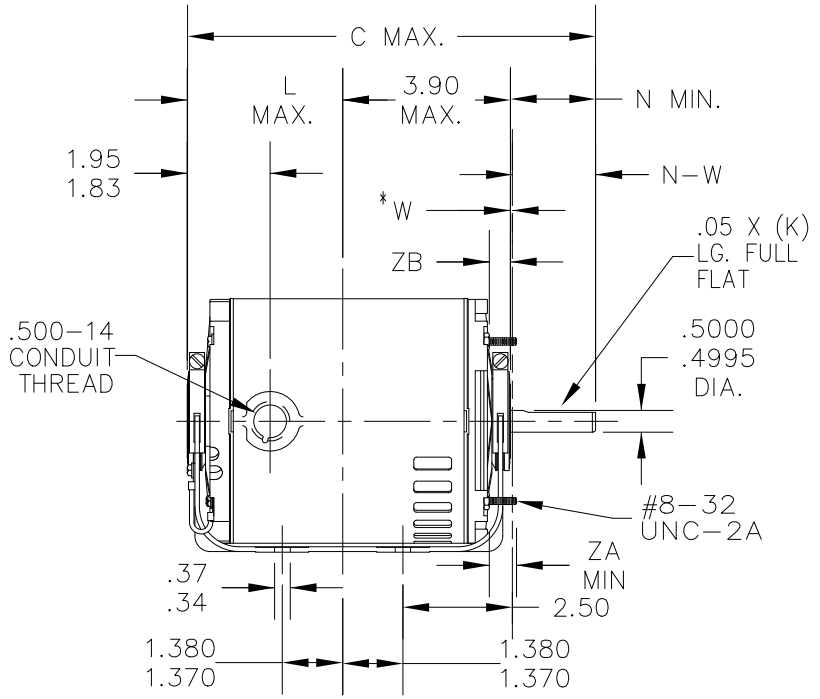
Electrical Type	Split Phase	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	24.28 Ohms	Mounting	Resilient Base - Extended Studs
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Overall Length	10.32 in
Shaft Diameter	0.500 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Connection Drawing	52A105377AA	Outline Drawing	52A111273P2

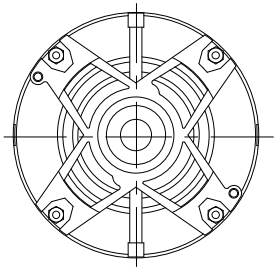
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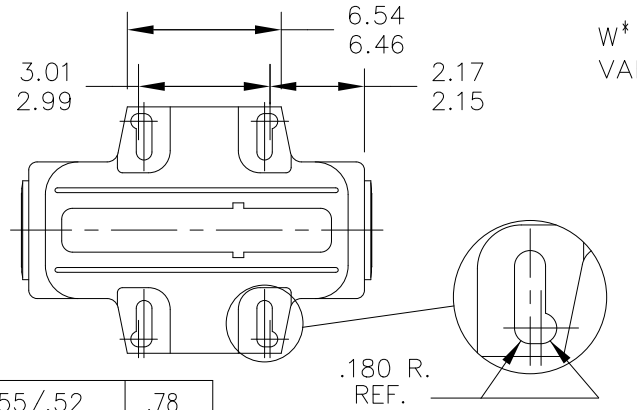
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52A111273









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

P	TYPE	RBC SIZE	NEMA FR	C	K	L	N	N–W	ZB	ZA
2	KH	36	48Y	10.32	1.62	4.50	1.88	2.01/1.79	.55/.52	.78
1	KH	32	48Y	9.32	1.62	3.59	1.88	2.01/1.79	.55/.52	.78

NO.	REVISION	BY & DATE	CHK
6	CHG FROM MARATHON TO REGAL REXNORD LOGO	KVDG 05–10–2024	DS
5	LOGO WAS DAYTON	PVR 06/13/13	ST
4	CHANGED 'ZA' DIMENSION PER IS12–5406	UD 11/07/12	DS
3	UPDATED AS PER IS05–2299	PKG 09/14/05	
2	CHG MADE PER IS05–1477	PKG 06/29/05	

TOLERANCES UNLESS SPECIFIED

ANG	DEC.	INCHES
	.X	±0.1
	.XX	±0.02
	.XXX	±0.005
	.XXXX	±0.0005
±7'30"		

Regal Rexnord — Regal Beloit America, Inc.

TITLE: OUTLINE
DRIP PROOF– RESIL. BASE – BALL

MAT'L.
FINISH
RFP
CAD FILE 52A111273
DIST

DRAWN	DS 01/05/05
CHK	
APPD	DS 01/05/05
SCALE	1=1
REF	
FMF	
PREV	

SIZE	DRAWING NO.	REV.
A	52A111273	5

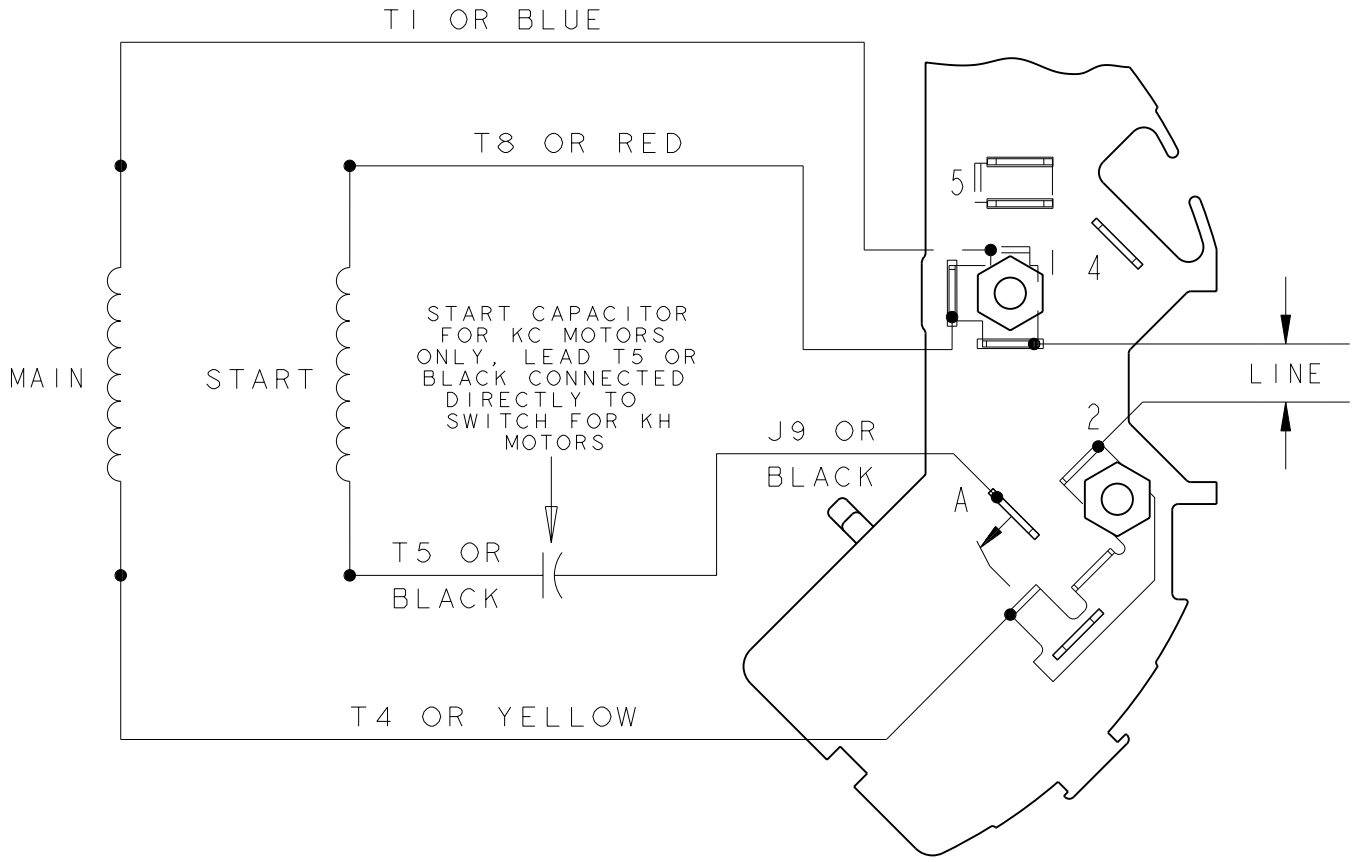
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SHEET 1 | REV 1 | 52A105377AA | DRAWING NO. | SIZE A

THIRD ANGLE PROJECTION

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

EITHER ROTATION - SINGLE VOLTAGE
TYPE KC, OR KH



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.

	SWITCH (C) - 115D958AB
REF. DIAG. - 121A850	CONNECTION LABEL - 52X332047

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

SOLID MODEL: 52A105377AA

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

REGAL BELOIT — REGAL-BELOIT CORPORATION

TITLE **CONNECTION DIAGRAM**

.

FMF: 30 FRAME SWITCH REDESIGN

SIZE	DRAWING	REV
A	52A105377AA	1

SCALE: 1.000 | REF. No: . | SHEET 1 OF 1

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marathon electric

P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

MODEL #: 48S17D2058 N

CONN. DIAGRAM: 52A105377AA
OUTLINE: 52A111273P2
WINDING #: 52X331851P1 0

MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	0.37	1800	1725	48Y	DP	M	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115	7.5	ACROSS THE LINE	CONTINUOUS	B3	1.25	40

FULL LOAD EFF: 66	**3/4 LOAD EFF:** 68	**1/2 LOAD EFF:** 64	**GTD. EFF**	**ELEC. TYPE**
FULL LOAD PF: 69.6	**3/4 LOAD PF:** 61	**1/2 LOAD PF:** 49	70	SPLIT PHASE

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
36.5 **OZ-FT**	44.2	49.4 **OZ-FT** 135 %	79 **OZ-FT** 216 %	75

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.**	-	22 **LBS.**

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RESILIENT BASE-EXTENDED STUDS	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL 6203	BALL 6203	BEACON 325	SGL SPL EXT	0.500 x 1.88 IN SEF WITH 1.62 IN FULL FLAT	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE **VOLTS**

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

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