PRODUCT INFORMATION PACKET

Model No: 048S17D2055
Catalog No: B303
Fan and Blower Motor, 0.25 HP, 1 Ph, 60 Hz, 115 V, 1800 RPM, 48YZ Frame, DP



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Nameplate Specifications

Phase	1	Output HP	0.25 Hp
Output KW	0.19 kW	Voltage	115 V
Speed	1725 rpm	Service Factor	1.35
Frame	48YZ	Enclosure	Drip Proof
Thermal Protection	Automatic	Efficiency	58 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	5.0 A	Power Factor	59
Duty	Continuous	Insulation Class	B
Design Code	NO DESIGN CODE	KVA Code	P
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

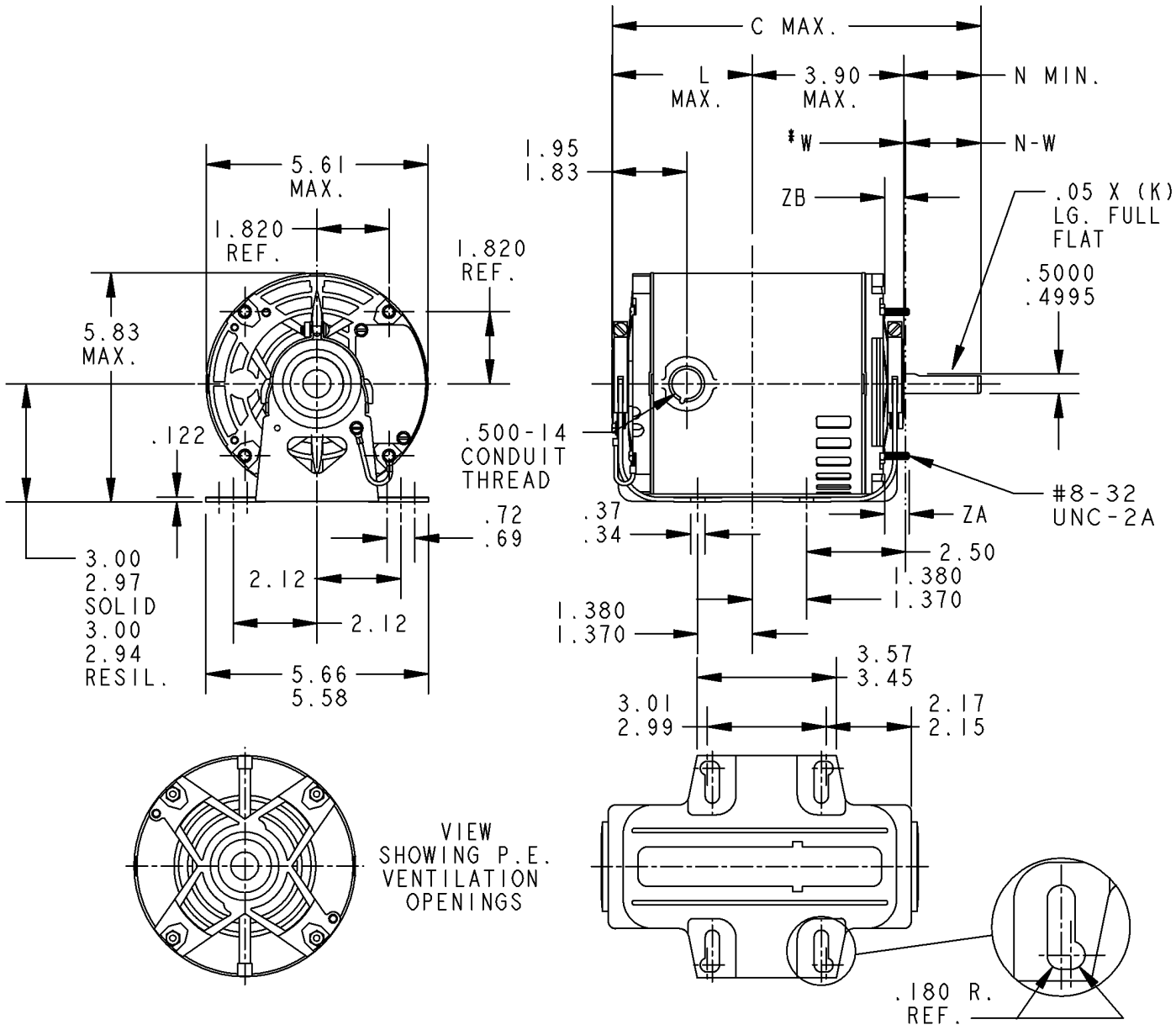
Electrical Type	Split Phase	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	2.3 Ohms	Mounting	Resilient Base - Extended Studs
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Overall Length	9.57 in
Shaft Diameter	0.500 in	Shaft Extension	1.87 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	52A111268P1	Connection Drawing	52A105379AA

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SHEET 1 | REV 4 | 52A111268 | DRAWING NO. | SIZE A

THIRD ANGLE PROJECTION

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



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

I	KH	33	48Y	9.57	1.62	3.84	1.88	2.01/1.79	.55/.52	.76
P	TYPE	GE SIZE	NEMA FR	C	K	L	N	N-W	ZB	ZA

SIGNATURES		DATE
MODEL	DURGA	12/15/04
DETAIL	.	.
CHECKED	.	.
ENGRG	.	.
MFG	.	.
QUALITY	.	.
ISSUED	DURGA	12/15/04

FOR ADDITIONAL INFO REFER TO:
APPLIED PRACTICES .
DIMENSIONS ARE IN INCHES ✓
MATERIAL .
SOLID MODEL: 52A111268

REGAL-BELOIT CORPORATION

TITLE

OUTLINE

FORM N - GENERAL PURPOSE MOTOR - DRIP PROOF
RESIL. BASE - BALL BEARING

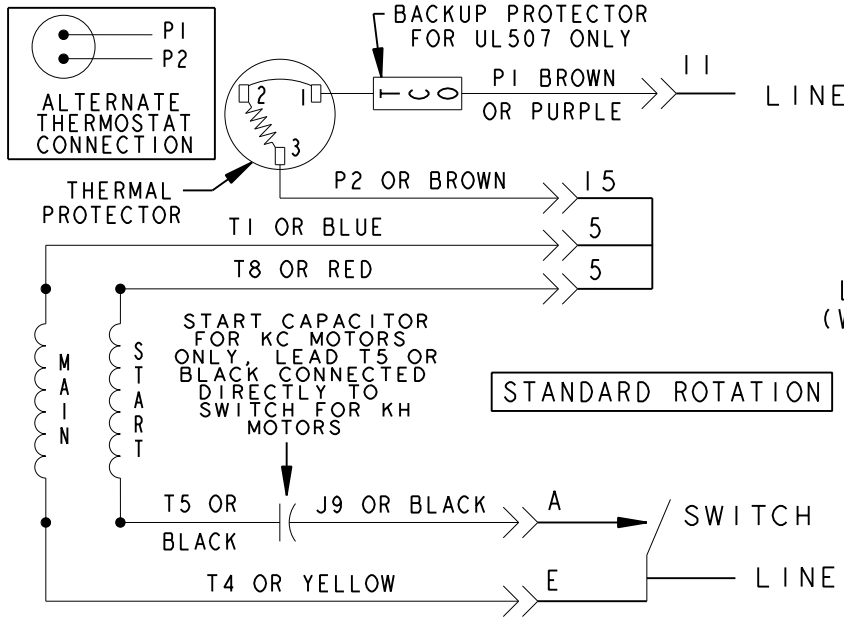
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A	52A111268	4

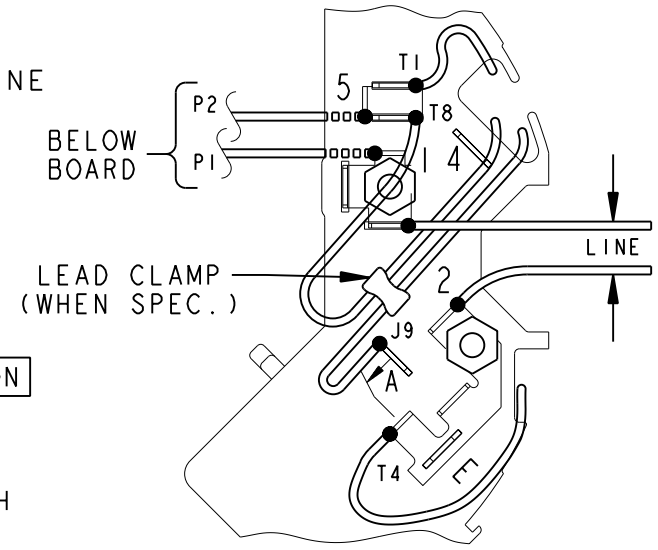
SCALE: 1.000 REF. No: . SHEET 1 of 1

THIRD ANGLE PROJECTION

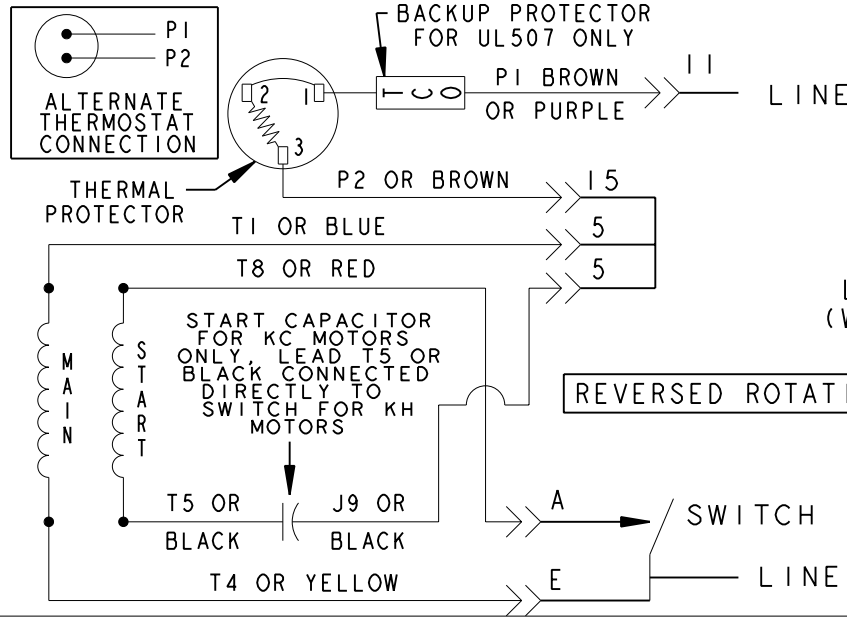
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
6	UPDATED FORMAT	12/01/05	MAM

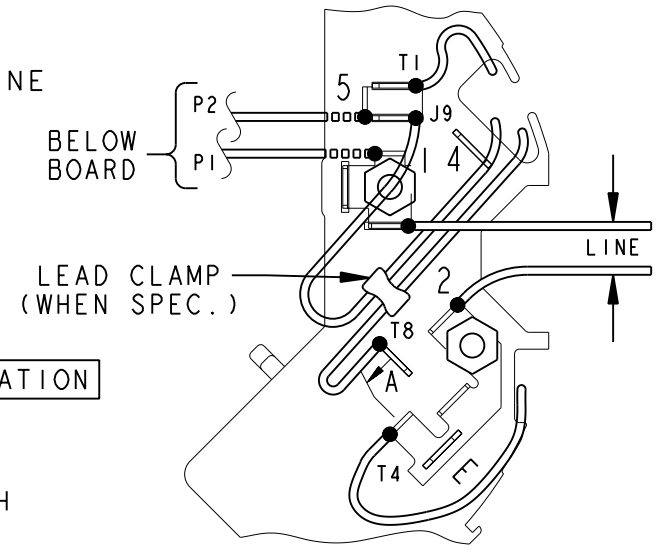
EITHER ROTATION-SINGLE VOLTAGE-TYPE KC OR KH-WITH THERMAL PROTECTOR





SWITCH BOARD CONNECTION





SWITCH BOARD CONNECTION

NOTE #1 - TO REVERSE ROTATION INTERTCHANGE 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. DIAG. - 121A851	CONN. LABEL - 52X332048

SIGNATURES		DATE
MODEL	M.D.PAPE	06/29/87
DETAIL	.	.
CHECKED	.	.
ENGRG	.	.
MFG	.	.
QUALITY	.	.
ISSUED	M.D.P.	03/08/00

FOR ADDITIONAL INFO REFER TO:
APPLIED PRACTICES .
DIMENSIONS ARE IN INCHES
MATERIAL .
SOLID MODEL: 52A105379AA

REGAL BELOIT — REGAL-BELOIT CORPORATION

TITLE **CONNECTION DIAGRAM**

.

FMF - 30 FR SWITCH REDESIGN

SIZE	DRAWING	REV
A	52A105379AA	6

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

SHEET 1 | REV 6 | 52A105379AA | DRAWING NO. | SIZE A

LEESON

CERTIFICATION DATA SHEET

CUSTOMER:
CUSTOMER PO#:
ORDER #:
MODEL #: 48S17D2055 P
CUSTOMER PART #:
CONN. DIAGRAM: 52A105379AA
OUTLINE: 52A111268P1
MOUNTING: F1 ONLY
WINDING #: 52X332048P1 0

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/4	0.19	1800	1725	48YZ	DP	P	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115	5	ACROSS THE LINE	CONTINUOUS	B	1.35	40

FULL LOAD EFF:	58	3/4 LOAD EFF:	54	1/2 LOAD EFF:	46.1	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	59	3/4 LOAD PF:	51.4	1/2 LOAD PF:	42.7	55	SPLIT PHASE

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
12.1 OZ-FT	27.7	21.6 OZ-FT 0 %	31.53 OZ-FT 0 %	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	- LB-FT^2	- LB-FT^2	- SEC.	-	14 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	POLYREX EM	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	AUTOMATIC	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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S

PREPARED BY: Venkata Datta Ganesh Kothapalli **DATE:**
04/10/2025 04:21:53 AM
FORM 3531 REV.3 02/07/99
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REV 1 - CHANGED LOGO FROM MARATHON TO LEESON - 3/25/2025