PRODUCT INFORMATION PACKET

Model No: 048C34S2001
Catalog No: O013
1/4,3450,DP,48N,1/60/115/230
Single Phase

Product Information Packet: Model No: 048C34S2001, Catalog No:O013 1/4,3450,DP,48N,1/60/115/230

marathon® Motors

Nameplate Specifications

Output HP	**0.25 Hp**	Output KW	**0.19 kW**
Frequency	**60 Hz**	Voltage	**115/230 V**
Current	**4.4/2.2 A**	Speed	**3450 rpm**
Service Factor	**1**	Phase	**1**
Efficiency	**70 %**	Duty	**Continous**
Insulation Class	**B**	Design Code	**NO DESIGN CODE**
KVA Code	**L**	Frame	**48N**
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	**Capacitor Start Induction Run**	Starting Method	**Across The Line**
Poles	**2**	Rotation	**Reversible**
Mounting	**Round**	Motor Orientation	**Horizontal**
Drive End Bearing	**Ball**	Opp Drive End Bearing	**Ball**
Frame Material	**Rolled Steel**	Shaft Type	**Single Special Extension**
Overall Length	**8.6 in**	Frame Length	**5.00 in**
Shaft Diameter	**0.500 in**	Shaft Extension	**1.97 in**
Assembly/Box Mounting	**F1 Only**		
Outline Drawing	**A-SS403832-500**	Connection Diagram	**A-EE9002D**

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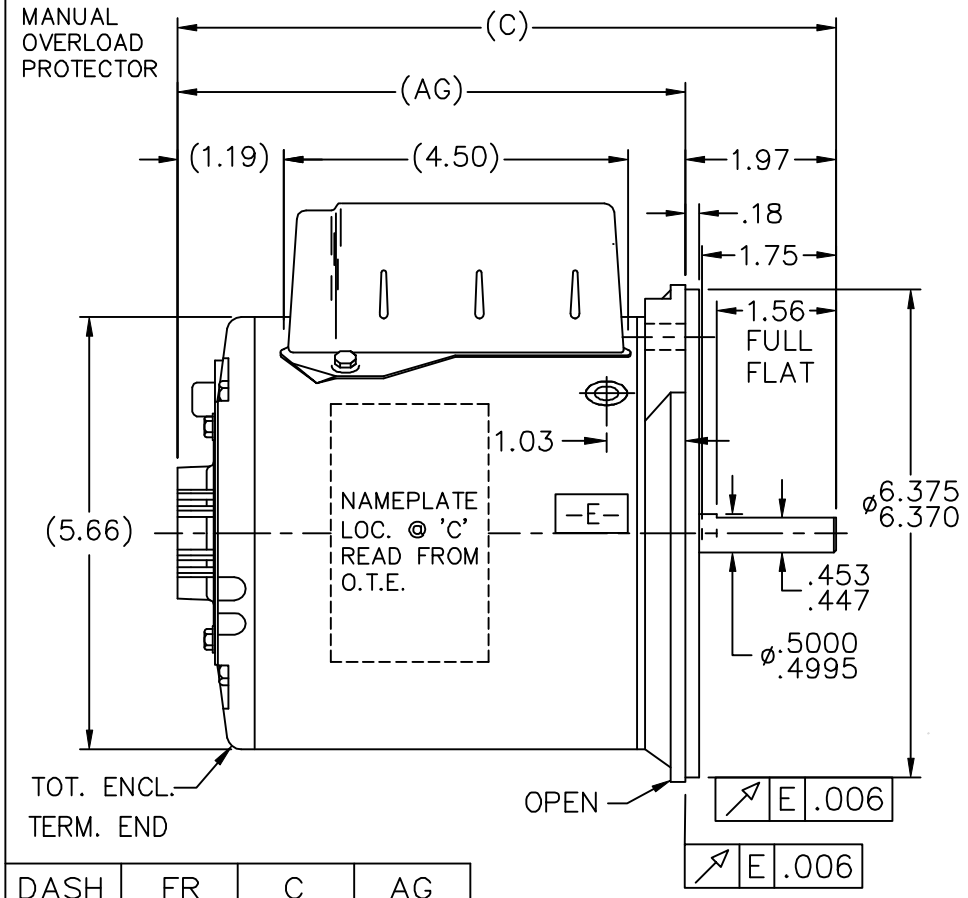
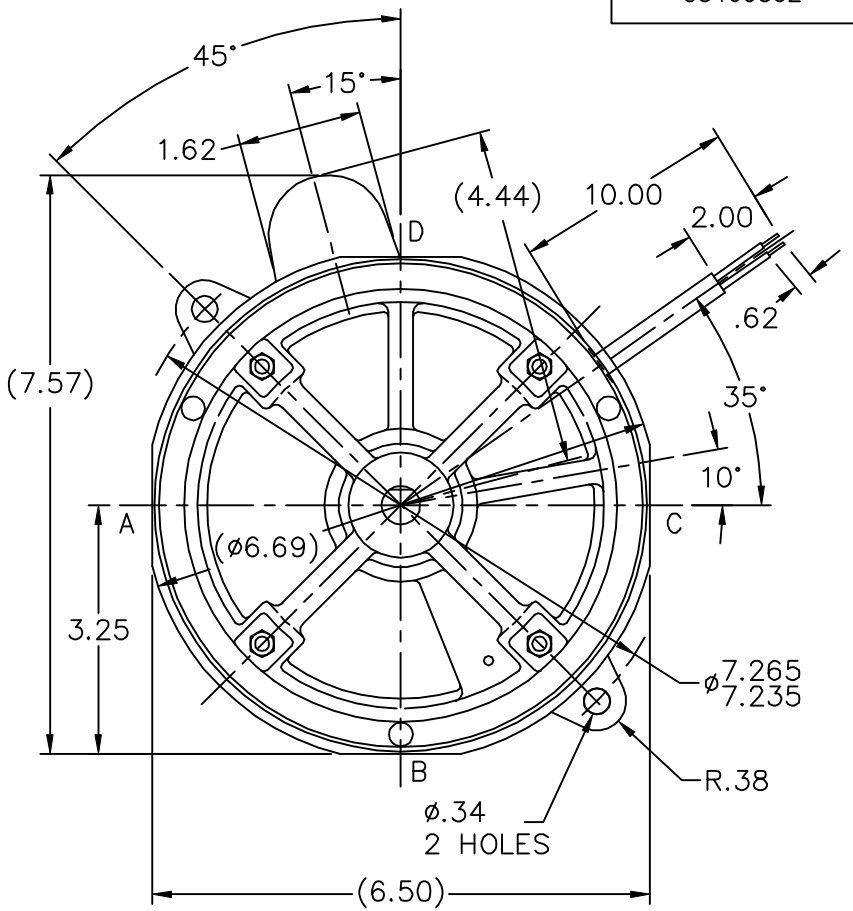
SS403832





DASH	FR	C	AG
425	48	7.85	5.88
475	48	8.35	6.38
500	48	8.60	6.63
525	48	8.85	6.88

NO.	REVISION	BY & DATE	CHK

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

MARATHON ELECTRIC

TITLE OUTLINE
48 FR.

MAT'L.

FINISH

CAD FILE SS403832

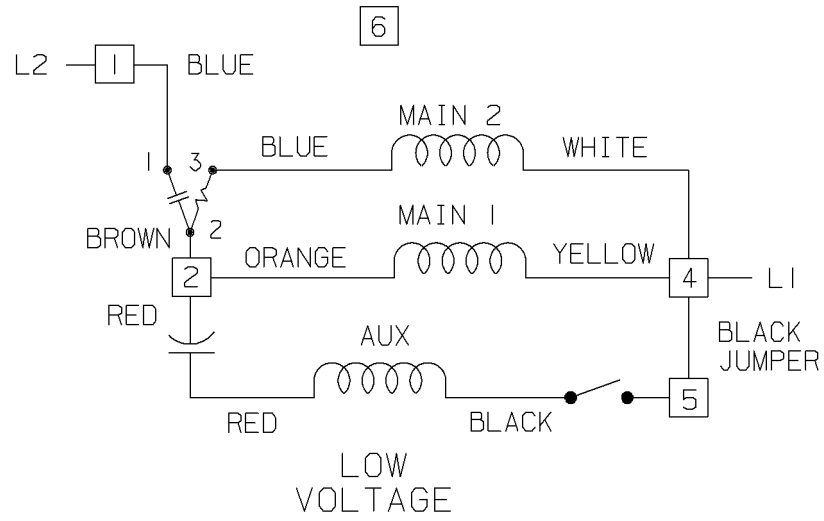
RFP 02-08-2009

DIST WP

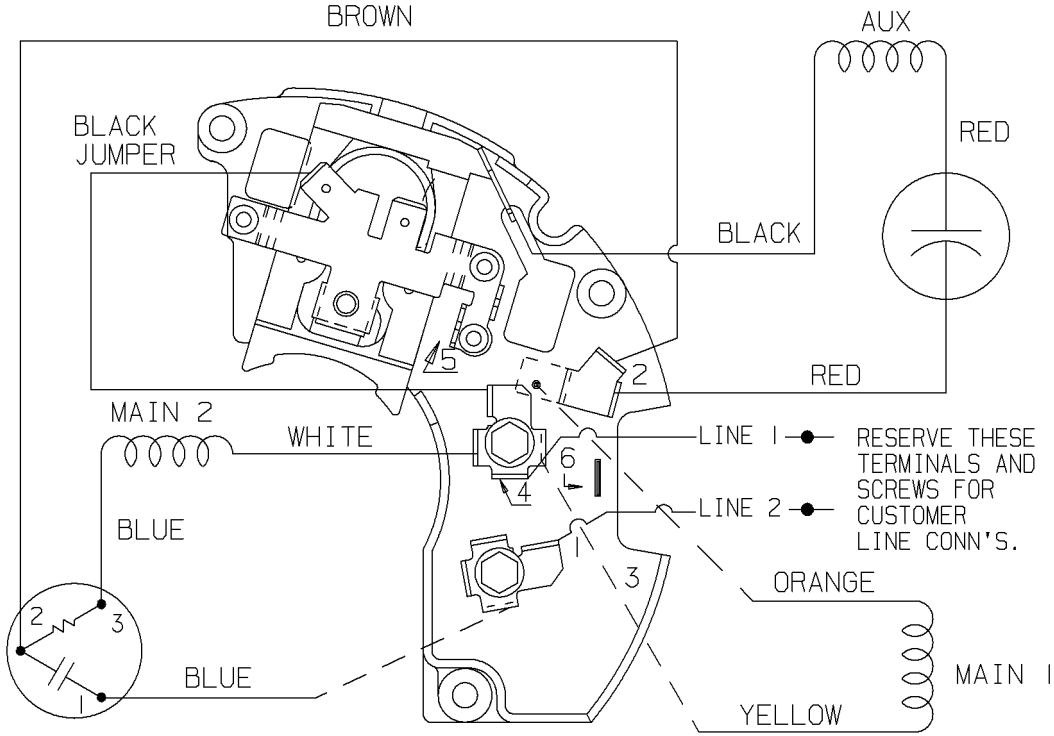
DRAWN	SP 02-08-2009
CHK	NB 02-08-2009
APPD	SP 02-08-2009
SCALE	7=16
REF	SS74431
FMF	08-2130
PREV	

SIZE A | DRAWING NO. SS403832 | PAGE | OF | REV.

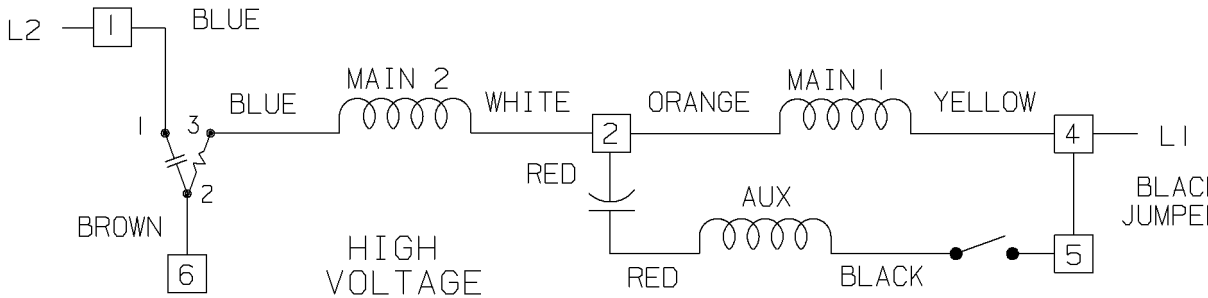
A- EE9002D



DUAL VOLTAGE CAPACITOR START
REVERSIBLE ON TERM BOARD
WITH OVERLOAD PROTECTION



VIEWING TERM END



LOW VOLTAGE CCW ROTATION SHOWN.

FOR HIGH VOLTAGE
CONNECT BROWN TERM 2 TO TERM 6.
CONNECT WHITE TERM 4 TO TERM 2.

TO REVERSE ROTATION EITHER VOLTAGE INTERCHANGE RED LEAD WITH BLACK LEAD.

REV	DATE	CHANGE	NAME
3	01-28-1991	REVISED LINE 2 LOCATION CN 6427	RM
2	08-03-1989	ADDED CUSTOMER CONNECTION NOTE CN 6011	BW
1	06-21-1988	NEW DRAWING	ML

√ MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE

MATL SPEC

FINISH

REFERENCE DRW.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOL. ON XX± XXX± .005 XXXX± .0005 ANGLES±

MARATHON ELECTRIC
WAUSAU, WISCONSIN 54401

DRAWN BY	ML	01-18-1988
CHKD BY	GK	01-18-1988
APPD BY	DAR	01-18-1988

PART NAME CONNECTION DIAGRAM
48 FR. DUAL VOLTAGE REVERSIBLE

DRWG NO A- EE9002D

SHOP BOOK | PURCHASED | DISTRIBUTION - WA - LB - WP - LM - BR | CADD FILE NO. EE9002D

CERTIFICATION DATA SHEET

Model#:	48C34S2001 E	**WINDING#:**	CE482186 NONE 3
CONN. DIAGRAM:	A-EE9002D	**ASSEMBLY:**	F1 ONLY
OUTLINE:	A-SS403832-500		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/4	0.19	3600	3450	48N	SEMI ENCLOSED	L	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/230	4.4/2.2	ACROSS THE LINE	CONTINUOUS	B3	1.0	40	3300

FULL LOAD EFF: 70	3/4 LOAD EFF: 67	1/2 LOAD EFF: 60.1	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 71.5	3/4 LOAD PF: 64	1/2 LOAD PF: 53.5	0	CAP START IND RUN	3 / 1.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
8 LB-FT	29.2 / 14.6	29 LB-FT 0	24.5 LB-FT 0	25

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	- SEC.	-	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
N-FLANGE	STANDARD	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLACK (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	BEACON 325	SGL SPL EXT	0.500 x 1.75 WITH 1.56 FULL FLAT	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	MANUAL	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

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

* NOTES *

DATE: 06/28/2017 06:35:48 AM
FORM 3531 REV.3 02/07/99
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