

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 048A11O1583
Catalog No: X023
1,1075,OPEN,48Y,1/60/230
Direct Drive



Regal and Marathon are trademarks of Regal Beloit Corporation or one of its affiliated companies.
©2018 Regal Beloit Corporation, All Rights Reserved. MC017097E

REGAL

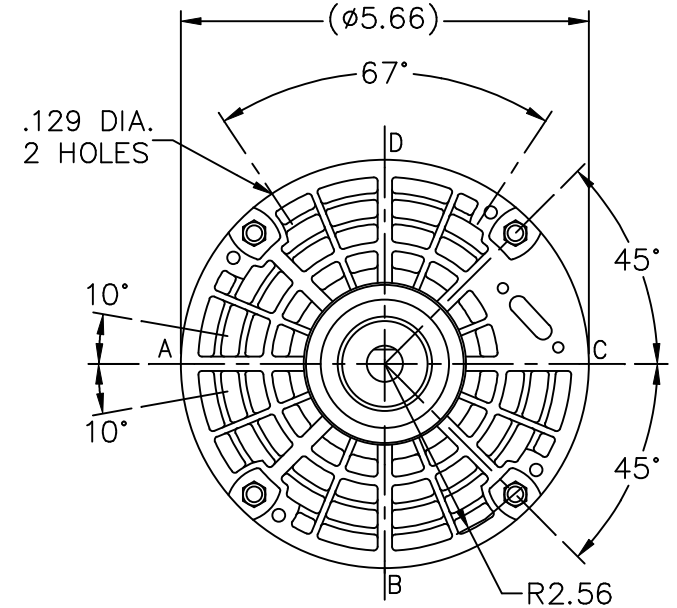
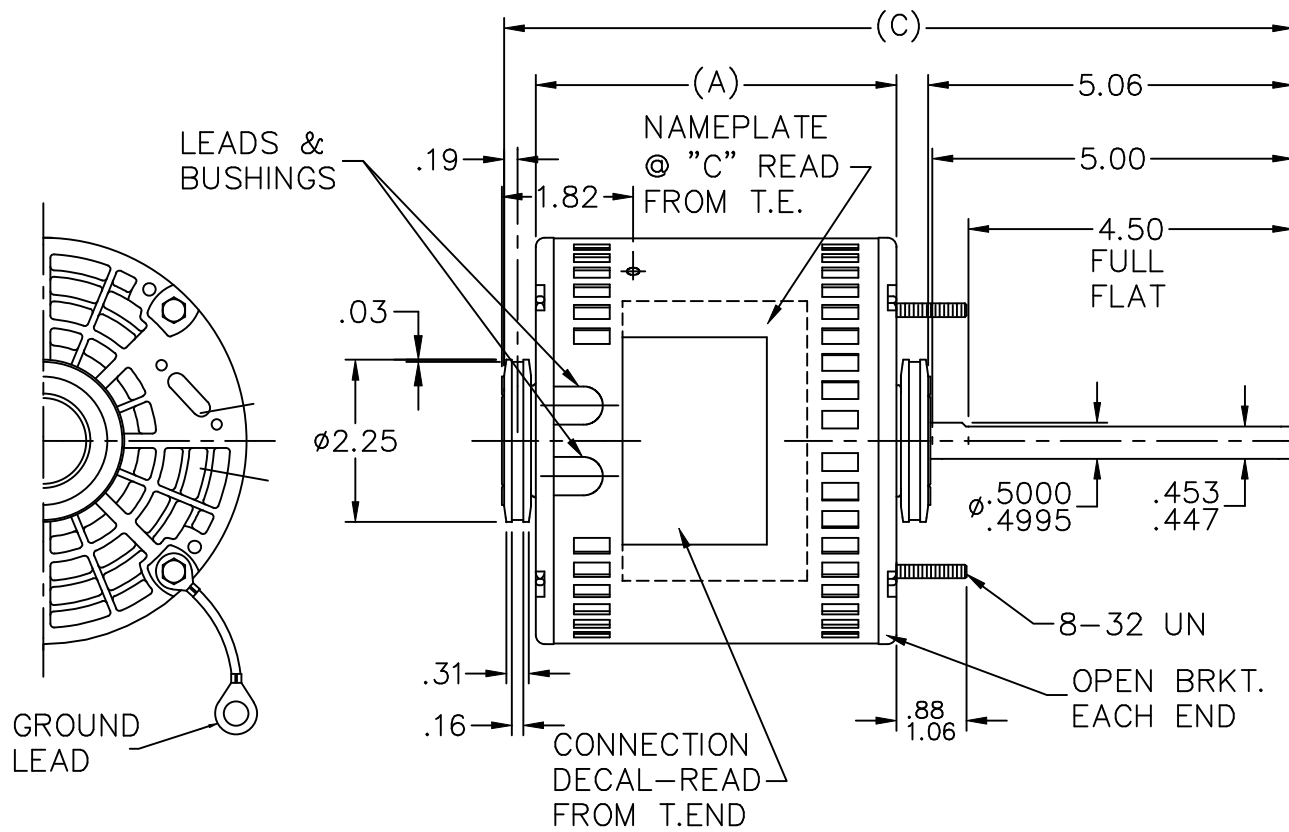


Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	230 V
Current	5.3 A	Speed	1075 rpm
Service Factor	1	Phase	1
Efficiency	68 %	Duty	CONTINUOUS
Insulation Class	B	Design Code	NO DESIGN CODE
KVA Code	A	Frame	48Y
Enclosure	OPAO	Overload Protector	AUT LCK RTR ONLY
Ambient Temperature	40 °C	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N
IP Code	1		

Technical Specifications

Electrical Type	PSC 3 SPEED	Starting Method	ACROSS THE LINE
Poles	6	Rotation	SELECTIVE CCW
Mounting	RESILIENT RING-EXTENDED STUDS	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	ROLLED STEEL	Shaft Type	SGL SPL EXT
Overall Length	12.44 in	Frame Length	6 in
Shaft Diameter	0.5 in	Shaft Extension	5.06 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	A-SS75137-600	Connection Diagram	6906493



TERM. END

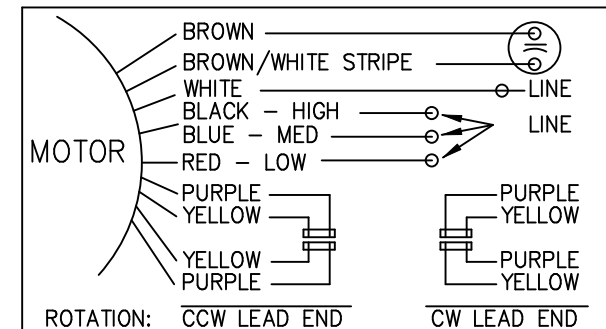
LEAD DESCRIPTION:

1 WHITE, 1 BLACK, 1 BLUE, & 1 RED, LEAD WITH .50 BARE WIRE STRIP. 30.00" LONG

2 BROWN LEADS WITH .25 FLAG-TYPE QUICK CONNECTS 30.00" LONG. WHITE MARKED LEAD IS COMMON TO WHITE.

REVERSING LEADS ARE MOLDED INTO MATING PULL-APART PLUGS. 1 YELLOW & 1 PURPLE LEAD PER PLUG. 5.00" LONG.

GREEN GROUND LEAD WITH TERM. FOR #10 SCREW 12.00" LONG.



DASH	FR.	C	A
500	48Y	11.44	5.50
525	48Y	11.69	5.75
550	48Y	11.94	6.00
600	48Y	12.44	6.50

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	
					DEC.	INCHES
5	UPDATED DRAWING	TJW 04/16/2007		.X	±.1	
4	REDRAWN IN AUTOCAD	TAT 08-03-2004	ML	.XX	±.03	
3	UPDATED FRAME VENTS	HLB 01-22-2001		.XXX	±.005	
2	REDRAWN & REVISED LEAD LENGTHS CN 21149	BLR 09-29-1995		.XXXX	±.0005	

 MARATHON ELECTRIC	DRAWN BLR 09-20-1995	
	CHK	DA 09-29-1995
	APPD	GK 09-29-1995
TITLE OUTLINE	SCALE	3=8
	REF	
MAT'L.	FMF	
FINISH	PREV	

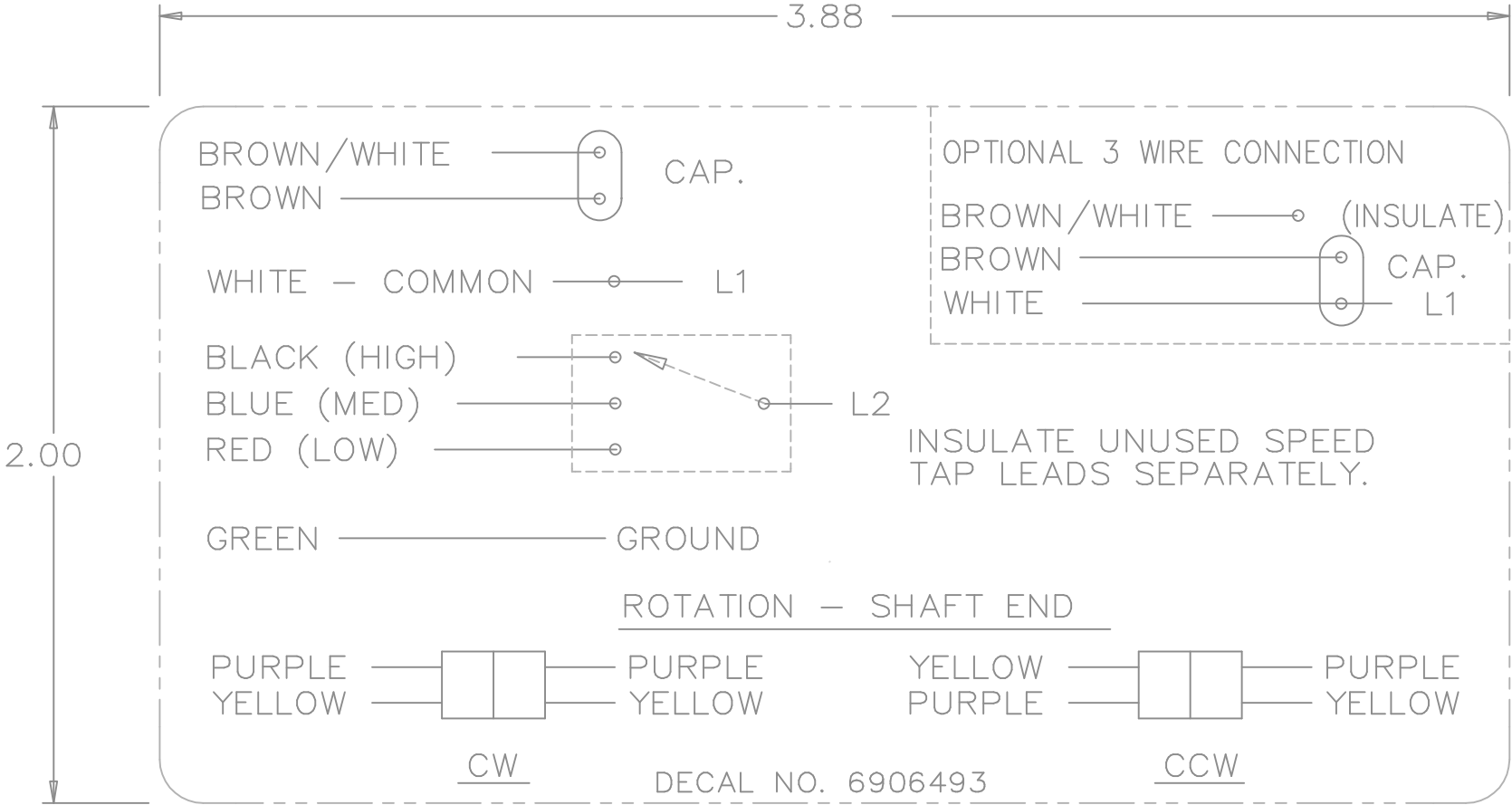
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT

RFP
DIST WP

CAD FILE ss75137

SIZE
A

DRAWING NO. SS75137 PAGE OF 5 REV. 5



				TOLERANCES UNLESS SPECIFIED		REGAL-BELOIT <i>Motor Technologies</i>	DRAWN MRB 04-16-1998			
				DEC.	INCHES		CHK	ML	04-22-1998	
				.X	±.1		APPD	GK	04-22-1998	
3	REMOVED 'MARATHON ELECTRIC' CN 35106	DRS 05-01-2002	TOM	.XX	±	TITLE CONNECTION DECAL	SCALE 1=1			
2	PART NAME WAS CONNECTION DIAGRAM CN 25669	MRB 04-25-1998		.XXX	±.005		REF			
1	NEW DRAWING CN 25669	MRB 04-22-1998		.XXXX	±.0005	MAT'L.	FMF			
NO.	REVISION	BY & DATE	CHK	ANG	±	FINISH	PREV			
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP		CAD FILE 6906493	SIZE	DRAWING NO.	PAGE	OF
				DIST	WP		A	6906493		3

CERTIFICATION DATA SHEET

Model#: 48A1101583 E **WINDING#:** PE4861650 NONE 2
CONN. DIAGRAM: 6906493 **ASSEMBLY:** F1 ONLY
OUTLINE: A-SS75137-600

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	.75	1200	1075	48Y	OPAO	A	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	230	5.3	ACROSS THE LINE	CONTINUOUS	B3	1.0	40	3300

FULL LOAD EFF: -	3/4 LOAD EFF: -	1/2 LOAD EFF: -	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: -	3/4 LOAD PF: -	1/2 LOAD PF: -	-	PSC 3 SPEED	1.9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
76.7 LB-FT	12.6	29.1 LB-FT -	106 LB-FT -	-

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.	-	23 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RESILIENT RING- EXTENDED STUDS	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (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 5.00 IN SEF WITH 4.50 IN 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	AUT LCK RTR ONLY	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

*
N
O
T
E
S
*

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

DATE: 06/27/2017 04:09:00 AM
FORM 3531 REV.3 02/07/99

** Subject to change without notice.