

PRODUCT INFORMATION PACKET

Model No: 048S17D2042
Catalog No: S102
1/4, 1800, DP, 48, 1/60/115
Open Drip Proof (ODP)



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Nameplate Specifications

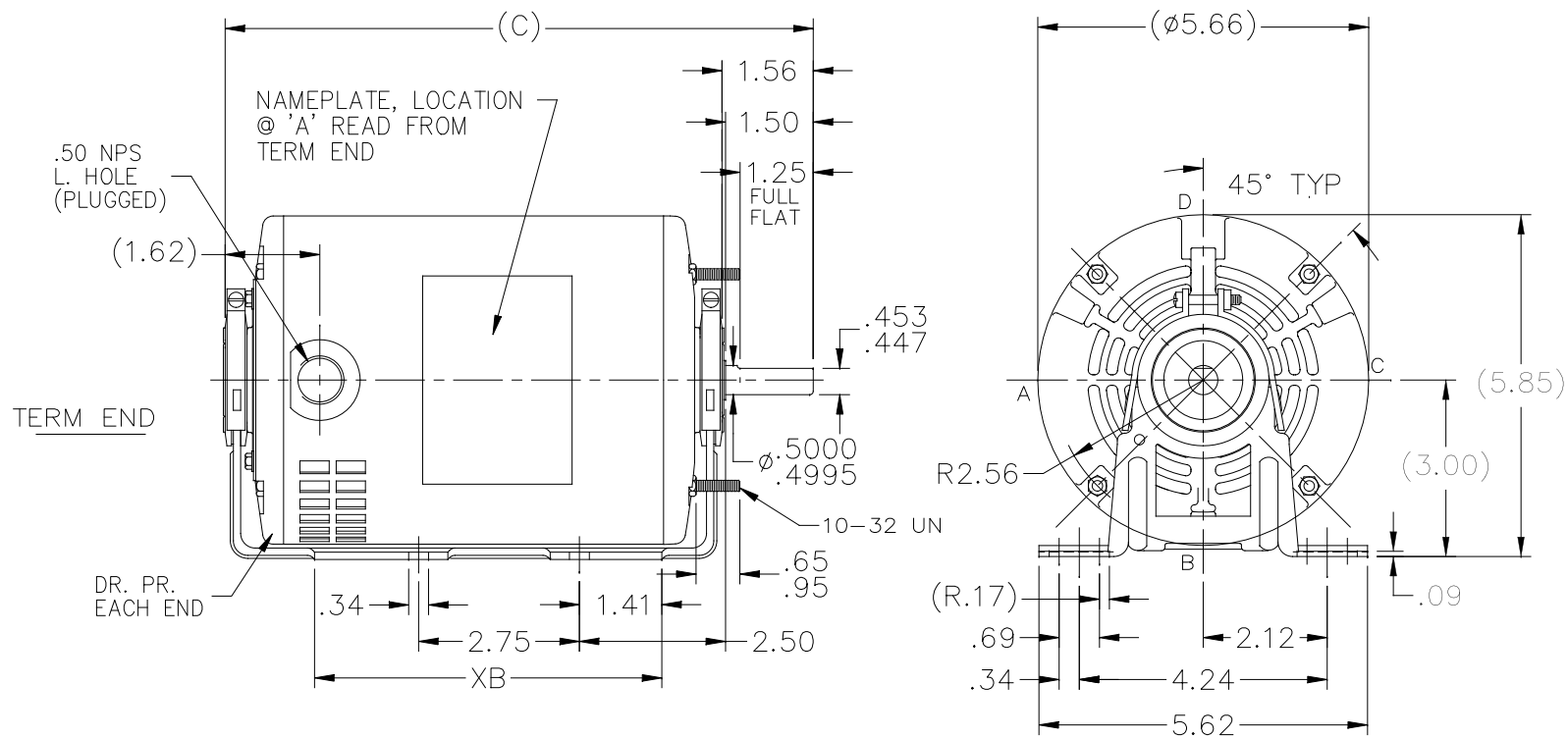
Output HP	0.25 Hp	Output KW	0.19 kW
Frequency	60 Hz	Voltage	115 V
Current	5.7 A	Speed	1725 rpm
Service Factor	1	Phase	1
Efficiency	52.5 %	Duty	Continuous
Insulation Class	B	Design Code	NO DESIGN CODE
KVA Code	S	Frame	48
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N
IP Code	22		

Technical Specifications

Electrical Type	Split Phase	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Mounting	Resilient Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	NEMA 48
Overall Length	9.06 in	Frame Length	5.50 in
Shaft Diameter	0.500 in	Shaft Extension	1.56 in
Assembly/Box Mounting	F1 Only		
Outline Drawing	A-SS403707-550	Connection Diagram	A-EE7195A

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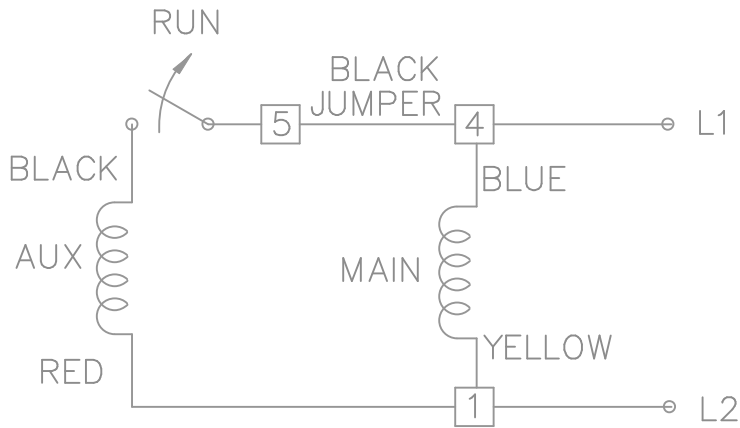
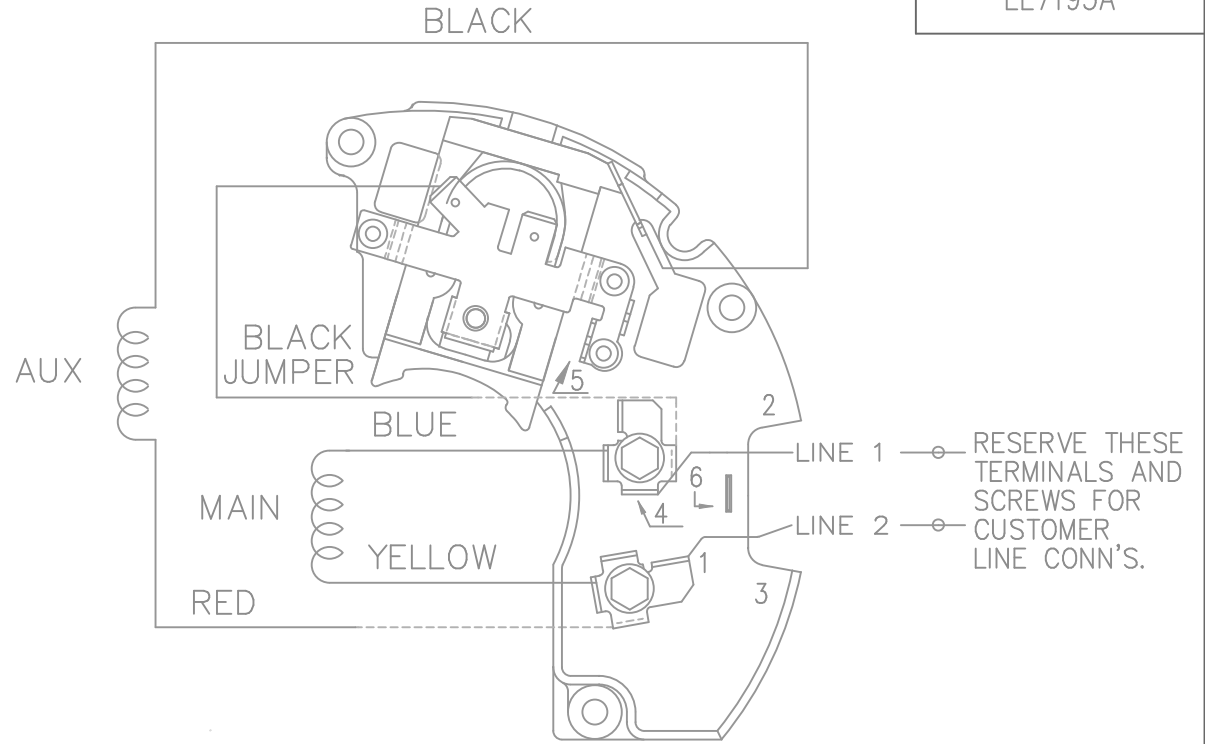
SS403707



DASH	FR.	C	XB
550		9.06	5.69
575		9.31	5.94

				TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN GRB 04-30-2008					
				DEC.	INCHES		CHK	SP 04-30-2008				
				.X	±.1	TITLE OUTLINE	APPD	SP 04-30-2008				
				.XX	±.03		SCALE	3=8				
				.XXX	±.005		REF					
				.XXXX	±.0005		FMF					
1	CLAMP BOLT EXT .65/.85 TO .65/.95 CHD ECO-0114863	KK	12/14/16	CHK	ANG	±'30"	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	04-30-2008		CAD FILE	SS403707	SIZE	DRAWING NO.	PAGE 1 OF 1	REV.
				DIST	WP				A	SS403707		01

SINGLE VOLTAGE – SPLIT PHASE
 REVERSIBLE ON TERM BOARD
 NO OVERLOAD PROTECTION



VIEWING TERMINAL END

C.C.W. ROTATION SHOWN.

FOR C.W. ROTATION INTERCHANGE
 YELLOW & BLUE LEADS ON TERM 1 & 4.

DASH LINES INDICATE LEADS CONNECTED
 TO MOTOR SIDE OF SWITCH.

				TOLERANCES UNLESS SPECIFIED			DRAWN ML 01-27-1988			
				DEC.	INCHES		CHK	GK 02-05-1988		
4	REDRAWN IN AUTOCAD	RWR 06-15-2004	ML	.X	± -	TITLE CONNECTION DIAGRAM 48 FR. SINGLE VOLTAGE REVERSIBLE MAT'L. FINISH	APPD DRN 03-11-1988			
3	REVISED LINE 2 LOCATION CN6427	RM 01-28-1991	GK	.XX	± -		SCALE 1=1			
2	ADDED CUSTOMER CONNECTION NOTE CN6011	BW 08-03-1989	GK	.XXX	± -		REF			
1	NEW DRAWING	ML 08-19-1988	GK	.XXXX	± -		FMF			
NO.	REVISION	BY & DATE	CHK	ANG	± -		PREV			
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				DIST	LB	A	EE7195A			4

CERTIFICATION DATA SHEET

Model#: 48S17D2042 N **WINDING#:** SM554196 NONE 1
CONN. DIAGRAM: A-EE7195A **ASSEMBLY:** F1 ONLY
OUTLINE: A-SS403707-550

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN			
1/4	0.19	1800	1725	48	DP	S	NO DESIGN CODE			
PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION	
1	60	115	5.7	ACROSS THE LINE	CONTINUOUS	B3	1.0	40	3300	
FULL LOAD EFF: 52.5		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: -		-		SPLIT PHASE		5.2
F.L. TORQUE		LOCKED ROTOR AMPS		L.R. TORQUE		B.D. TORQUE		F.L. RISE°C		
12.2 LB-FT		37.2		28.3 LB-FT -		31.7 LB-FT -		-		
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.	-	- LBS.				

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

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE	BEACON 325	STANDARD 48	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
BALL	BALL						
6203	6203						

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

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

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