

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 056C34D2114
Catalog No: O210
1/3,3600,DP,56C,1/60/115/208-230
Single Phase



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REGAL[®]



Nameplate Specifications

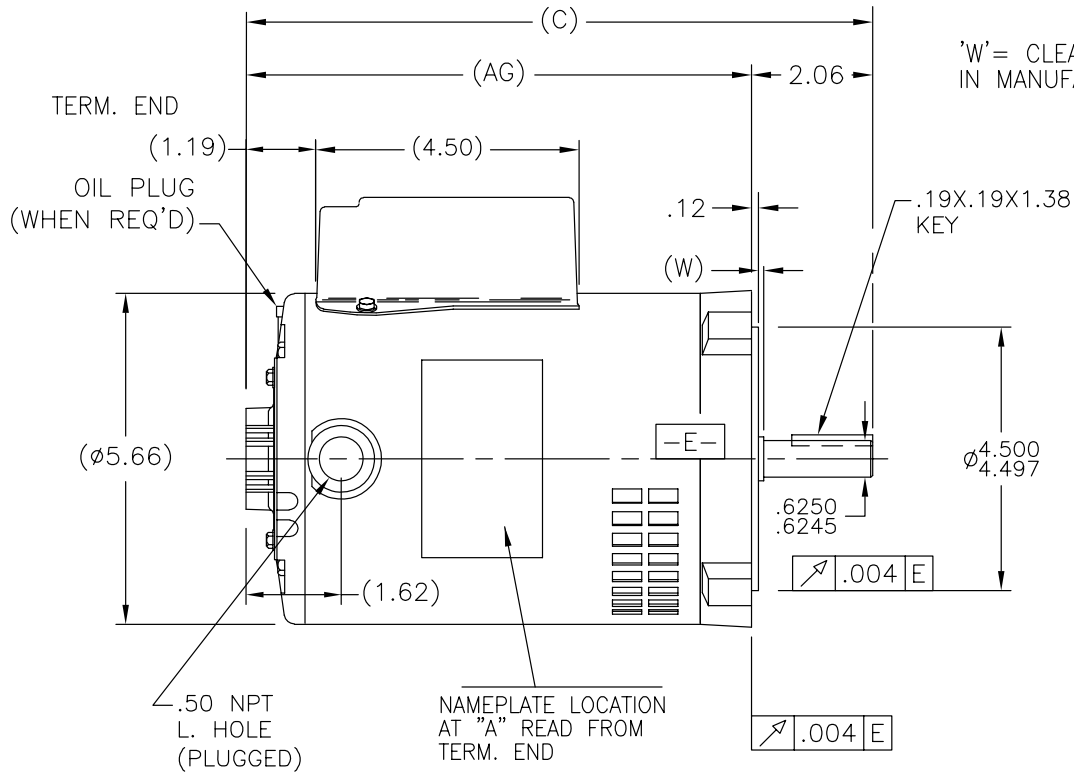
Output HP	0.33 Hp	Output KW	0.25 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	5.6/2.7-2.8 A	Speed	3450 rpm
Service Factor	1.75	Phase	1
Efficiency	64 %	Duty	Continuous
Insulation Class	B	Design Code	NO DESIGN CODE
KVA Code	L	Frame	56C
Enclosure	Drip Proof	Overload Protector	Automatic
Ambient Temperature	40 °C	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	Y
IP Code	22		

Technical Specifications

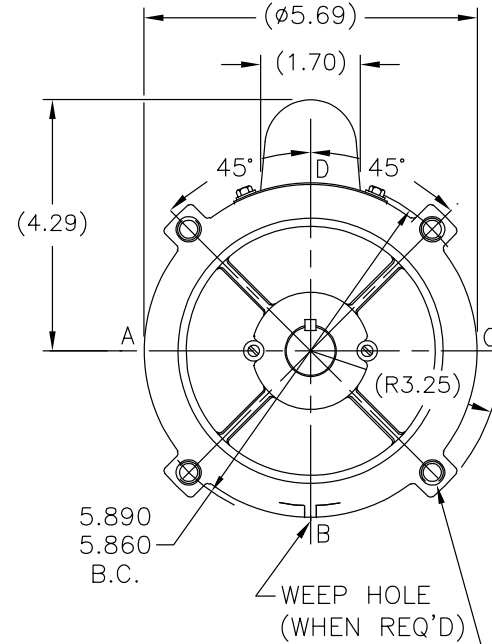
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Mounting	Round	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	10.44 in	Frame Length	6.50 in
Shaft Diameter	0.625 in	Shaft Extension	2.06 in
Assembly/Box Mounting	F1 Only		
Outline Drawing	A-SS75606-650	Connection Diagram	A-EE9002M

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SS75606

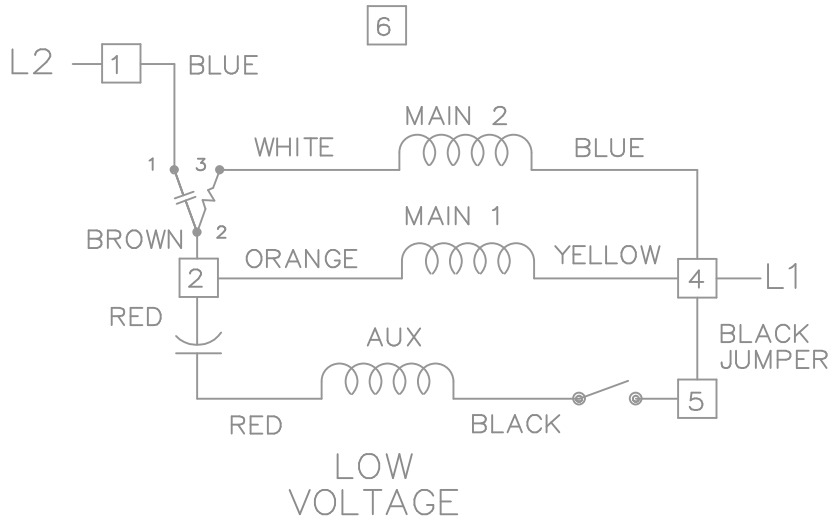


'W' = CLEARANCE ALLOWED FOR ALL VARIANCES IN MANUFACTURING & ASSEMBLY

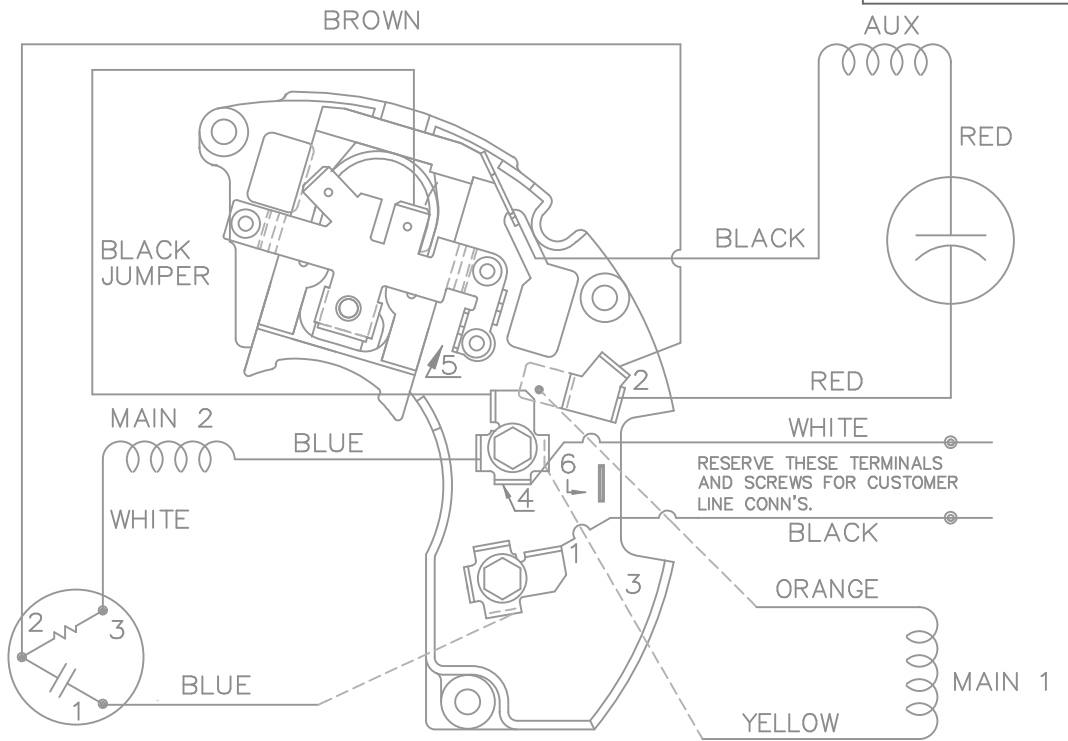


DASH	FR	C	AG	DASH	FR	C	AG	DASH	FR	C	AG
625	56	10.19	8.12	700	56	10.94	8.88	800	56	11.94	9.88
650	56	10.44	8.37	725	56	11.19	9.13				
675	56	10.69	8.63	775	56	11.69	9.63				

NO.	REVISION	BY & DATE	CHK	ANG	±	TOLERANCES UNLESS SPECIFIED	MARATHON ELECTRIC				DRAWN RM 10-09-1992	
							DEC.	INCHES	SCALE	REV.		
6	UPDATED FRAME TO 56	PST 1/8/15	PI									
5	UPDATED DRAWING	TJW 04/20/2007	MJS									
4	ADDED NOTE TO WEEP HOLE (WHEN REQ'D)	BJK 08-20-2002		.X	±.1							
		MU43025/43027		.XX	±.03		TITLE OUTLINE					SCALE 3=8
3	ADDED NEW FRONT BRACKET	CN 20124RJM 04-04-1995		.XXX	±.005							REF
2	ADD NOTE: OIL PLUG WHEN REQ'D	4009035DD 04-12-1993		.XXXX	±.0005		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	CAD FILE ss75606	SIZE A	DRAWING NO. SS75606	PAGE OF	REV. 6
							DIST WP					

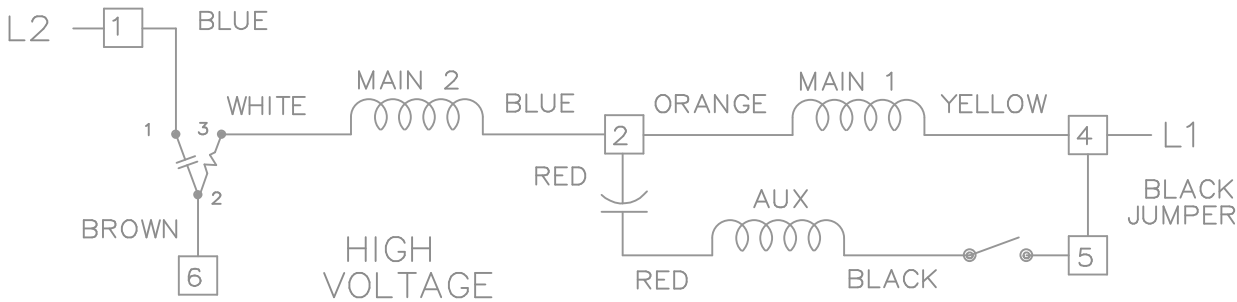


DUAL VOLTAGE CAPACITOR START REVERSIBLE ON TERM BOARD WITH OVERLOAD PROTECTION



VIEWING TERM END

LOW VOLTAGE CCW ROTATION SHOWN.



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

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

				TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN BW 02-22-1990						
				DEC.	INCHES		CHK	ML	02-22-1990				
				.X	± -	TITLE CONNECTION DIAGRAM 48 FR. DUAL VOLTAGE REVERSIBLE	APPD	GK	02-22-1990	SCALE	1=1		
3	ROUTING OF BLACK JUMPER	CN 35440	BJK 08-20-2002	.XX	± -		MAT'L.	REF					
2	REVISED BLACK LINE LOCATION	CN 6427	RM 01-28-1991	.XXX	± -		FINISH	FMF					
1	NEW DRAWING		BW 02-22-1990	.XXXX	± -			PREV					
NO.	REVISION	BY & DATE		CHK	ANG	± -			SIZE	DRAWING NO.	PAGE	OF	REV.
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 EE9002M		A	EE9002M			3
				DIST	WP								

CERTIFICATION DATA SHEET

Model#: 56C34D2114 F WINDING#: CE482197 NONE 3
CONN. DIAGRAM: A-EE9002M ASSEMBLY: F1 ONLY
OUTLINE: A-SS75606-650

TYPICAL MOTOR PERFORMANCE DATA

Table with motor performance data including HP, KW, SYNC. RPM, F.L. RPM, FRAME, ENCLOSURE, KVA CODE, DESIGN, PH, Hz, VOLTS, FL AMPS, START TYPE, DUTY, INSL, S.F, AMB°C, ELEVATION, and efficiency/load parameters.

*** SUPPLEMENTAL INFORMATION ***

Table with supplemental information including DE BRACKET TYPE, ODE BRACKET TYPE, MOUNT TYPE, ORIENTATION, SEVERE DUTY, HAZARDOUS LOCATION, DRIP COVER, SCREENS, and PAINT.

Table with bearing and shaft information including BEARINGS (DE, OPE), GREASE, SHAFT TYPE, SPECIAL DE, SPECIAL ODE, SHAFT MATERIAL, and FRAME MATERIAL.

Table with protection and control details including THERMO-PROTECTORS (THERMOSTATS, PROTECTORS, WDG RTDs, BRG RTDs), THERMISTORS, CONTROL, and SPACE /n HEATERS.

If Inverter equals NONE, contact factory for further information

Table with inverter and control parameters including INVERTER TORQUE, INV. HP SPEED RANGE, ENCODER, BRAKE, and speed units.

NOTES