

# PRODUCT INFORMATION PACKET

Modal No: 056C17D2054  
Catalog No: S014  
3/4, 1725, DP, 56, 1/60/115/230  
Open Drip Proof (ODP)



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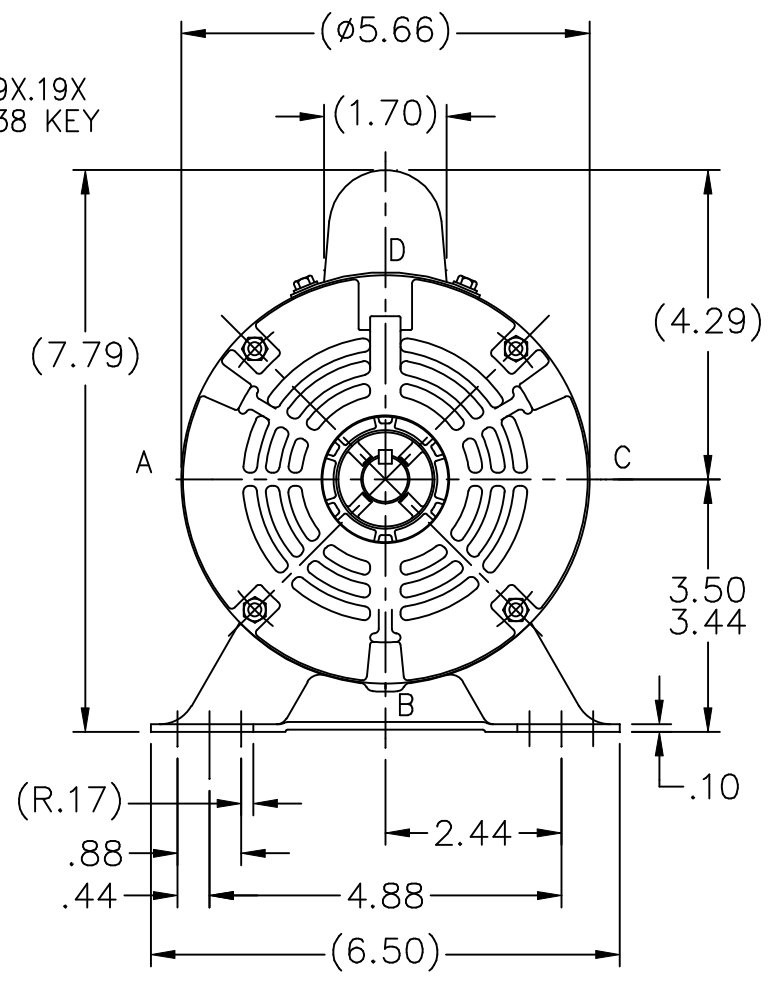
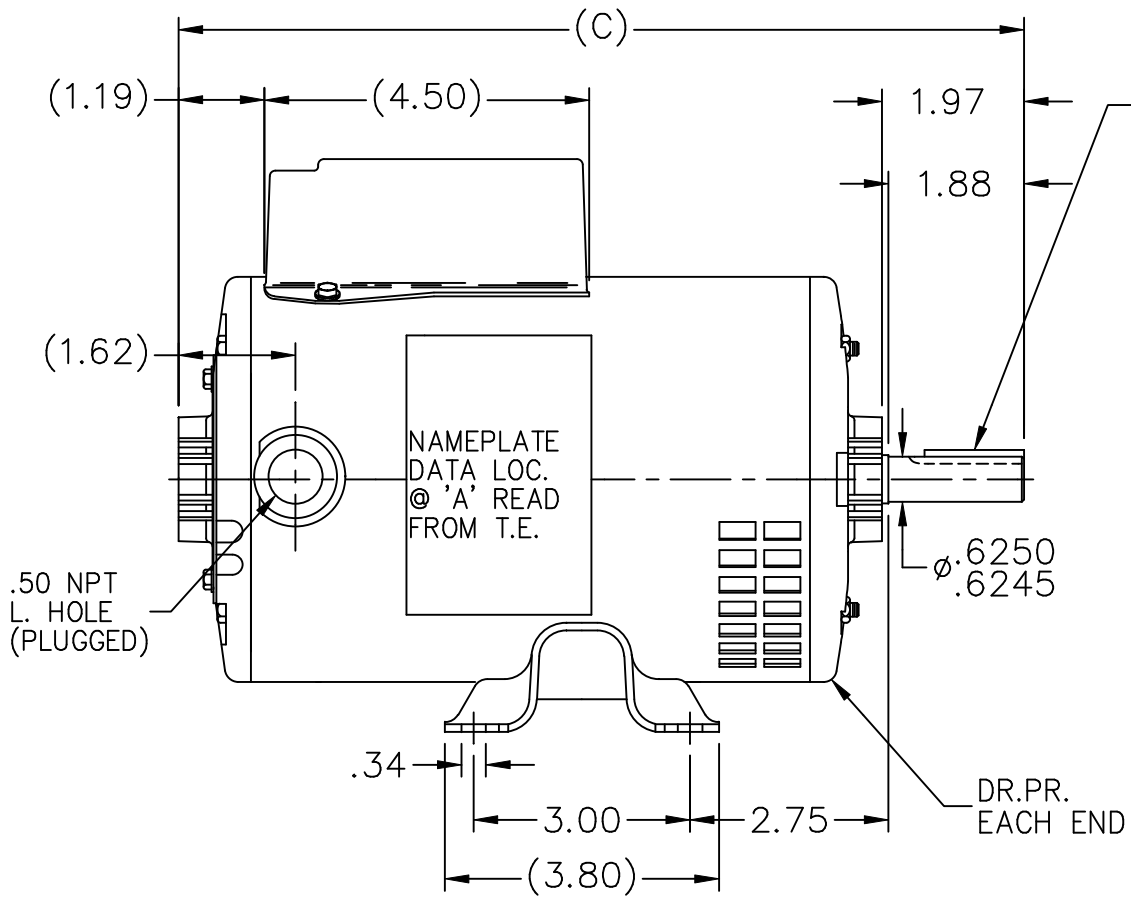


## Nameplate Specifications

Output HP	<b>0.75 Hp</b>	Output KW	<b>0.56 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>115/230 V</b>
Current	<b>10.4/5.2 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1</b>	Phases	<b>1</b>
Efficiency	<b>70 %</b>	Duty	<b>CONTINUOUS</b>
Insulation Class	<b>B</b>	Design Code	<b>NO DESIGN CODE</b>
KVA Code	<b>J</b>	Frame	<b>56</b>
Enclosure	<b>DP</b>	Overload Protector	<b>NOT</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6203</b>
Opp Drive End Bearing Size	<b>6203</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>22</b>		

## Technical Specifications

Electrical Type	<b>CAP START IND RUN</b>	Starting Method	<b>ACROSS THE LINE</b>
Poles	<b>4</b>	Rotation	<b>SELECTIVE CCW</b>
Mounting	<b>RIGID</b>	Motor Orientation	<b>HORIZONTAL</b>
Drive End Bearing	<b>BALL</b>	Opp Drive End Bearing	<b>BALL</b>
Frame Material	<b>ROLLED STEEL</b>	Shaft Type	<b>STANDARD 56</b>
Overall Length	<b>11.97 in</b>	Frame Length	<b>8 in</b>
Shaft Diameter	<b>0.63 in</b>	Shaft Extension	<b>1.97 in</b>
Assembly/Box Mounting	<b>F1 ONLY</b>		

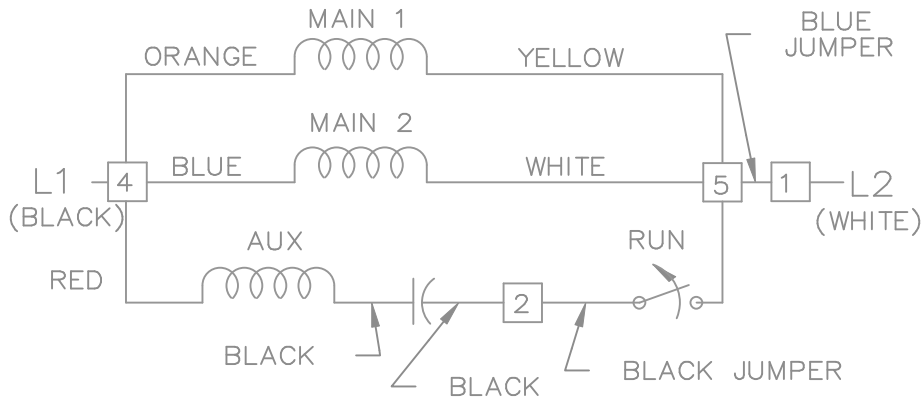


TERM. END

DASH	FR	C	DASH	FR	C
675	56	10.72	800	56	11.97
725	56	11.22	700	56	10.97
775	56	11.72			

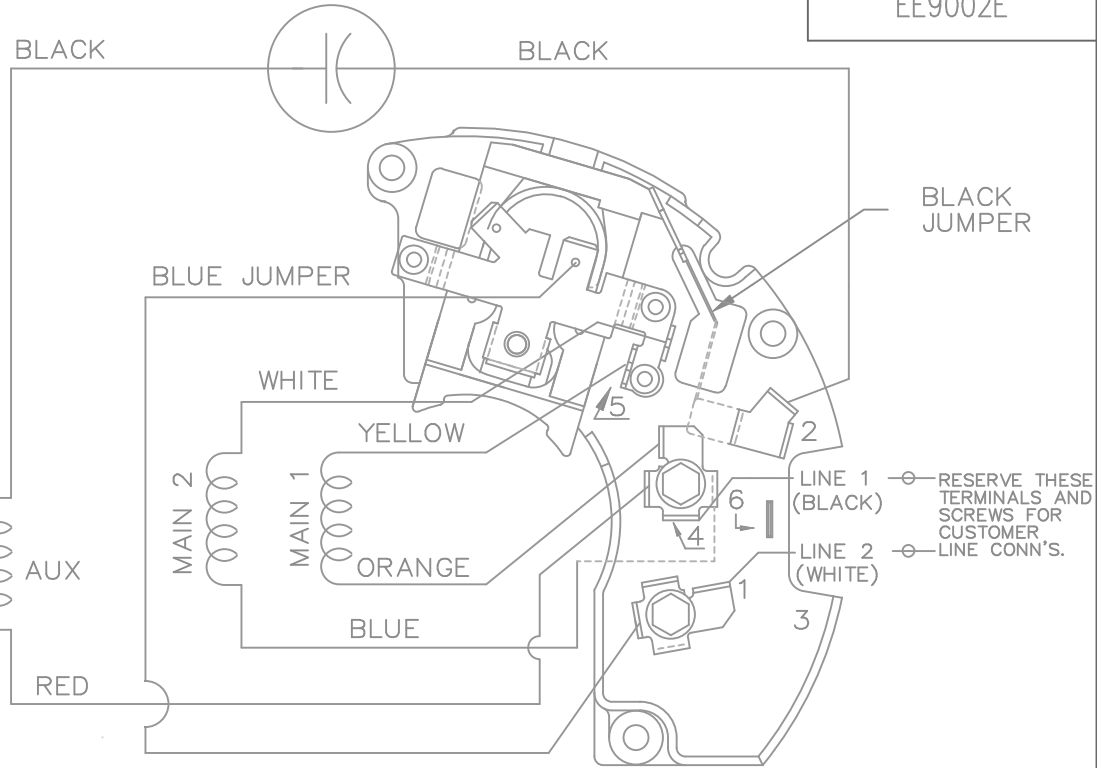
			TOLERANCES UNLESS SPECIFIED			DRAWN RM 5/30/1991	
			DEC.	INCHES		CHK ML 6/3/1991	APPD GK 6/3/1991
4	UPDATED DRAWING	TJW 05/14/2007	.X	±.1	TITLE OUTLINE 56 FR. - 1φ	SCALE 3=8	
3	DASH VALUE 700 ADDED MU73306	RAD 6/6/2006	.XX	±.03		REF	
2	REVISED FRAME VENTS, & REAR BRACKET MU34146	NJS 10/23/2000	.XXX	±.005		FMF	
1	REDRAWN & UPDATED ON CADD 3808821	RM 5/30/1991	.XXXX	±.0005		PREV	
NO.	REVISION	BY & DATE	CHK	ANG	FINISH		
			RFP		CAD FILE ss78906	SIZE A	DRAWING NO. PAGE 1 OF 1 REV. 4
			DIST	WP			

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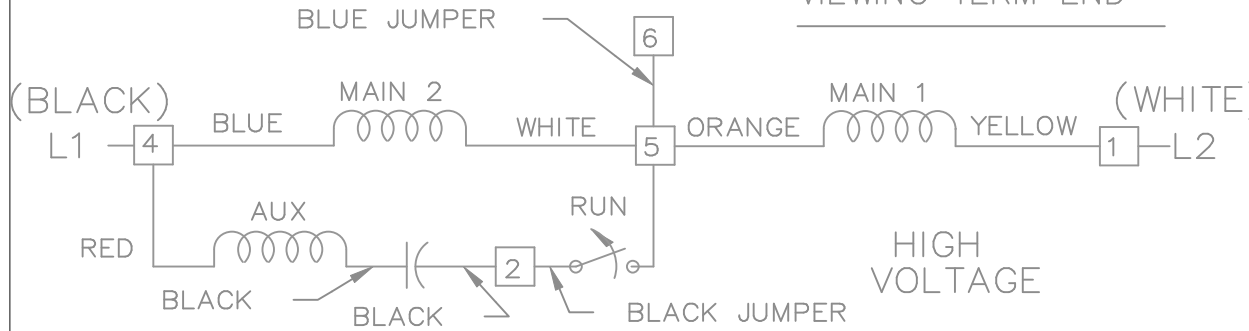
LOW VOLTAGE

DUAL VOLTAGE CAPACITOR START REVERSIBLE ON TERM BOARD NO OVERLOAD PROTECTION



VIEWING TERM END

LOW VOLTAGE CCW ROTATION SHOWN



HIGH VOLTAGE

FOR HIGH VOLTAGE:  
CONNECT BLUE TERM 1 TO TERM 6,  
CONNECT YELLOW TERM 5 TO TERM 1,  
CONNECT ORANGE TERM 4 TO TERM 5.

TO REVERSE ROTATION EITHER VOLTAGE INTERCHANGE RED LEAD WITH BLACK LEAD

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN ML 02-02-1988			
		DEC.	INCHES			CHK GK 02-15-1988			
05	COLOURS ADDED TO L1,L2	RP	12/10/2008	.X	±.1	APPD DRN 02-24-1988			
04	WHITE LEAD LOCATED UNDER BKY DATE	BLR	09/13/99	.XX	±.02	SCALE 1=1			
	CODE APPR. 6K AND PRIOR CN 28441			.XXX	±.005	REF EE9002E-LE			
03	REVISED LINE 2 LOCATION CN 6427	RM	01/28/1991	.XXXX	±.0005	FMF			
02	ADDED CUSTOMER CONN. NOTE CN 6011	BW	08/03/1989	CHK	ANG ±7'30"	PREV			
NO.	REVISION	BY & DATE	CHK	ANG	FINISH				
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			DIST	WP					

CERTIFICATION DATA SHEET

Model#: 56C17D2054 M WINDING#: CE48447 NONE 3  
 CONN. DIAGRAM: A-EE9002E ASSEMBLY: F1 ONLY  
 OUTLINE: A-SS78906-800

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3/4	.56	1800	1725	56	DP	J	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/230	10.4/5.2	ACROSS THE LINE	CONTINUOUS	B3	1.0	40	3300

FULL LOAD EFF: 70	3/4 LOAD EFF: 69.9	1/2 LOAD EFF: 65.3	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 71	3/4 LOAD PF: 63.2	1/2 LOAD PF: 51.3	66	CAP START IND RUN	6.4 / 3.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
36.4 LB-FT	46.8 / 23.4	82.5 LB-FT -	77.7 LB-FT -	70

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	15 SEC.	4	0 LBS.

\*\*\* SUPPLEMENTAL INFORMATION \*\*\*

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

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

If Inverter equals NONE, contact factory for further information

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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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FORM 3531 REV.3 02/07/99

\*\* Subject to change without notice.