PRODUCT INFORMATION PACKET

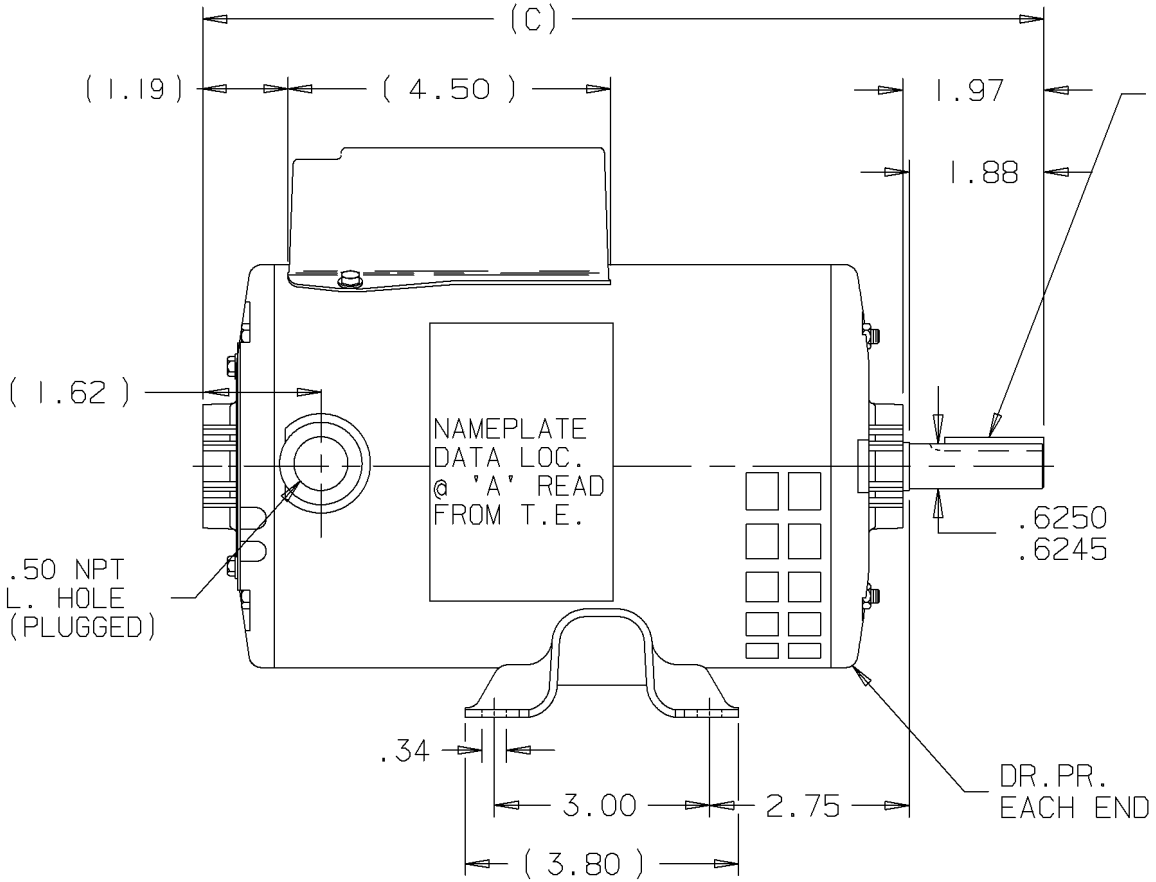
Model No: 056C17D2054
Catalog No: 056C17D2054
General Purpose Motor, 0.75 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 56 Frame, DP

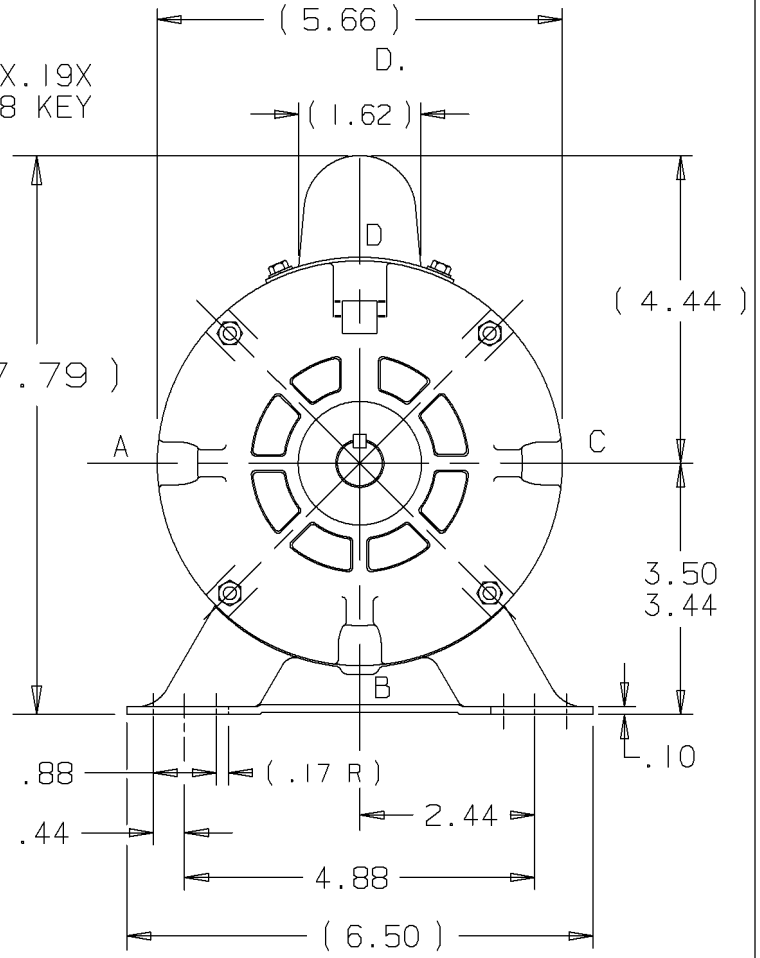
Nameplate Specifications

Phase	1	Output HP	0.75 Hp
Output KW	0.56 kW	Voltage	115/230 V
Speed	1725 rpm	Service Factor	1.0
Frame	56	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	70 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	10.4/5.2 A	Power Factor	71
Duty	Continuous	Insulation Class	B
Design Code	NO DESIGN CODE	KVA Code	J
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	11.97 in
Frame Length	8.00 in	Shaft Diameter	0.625 in
Shaft Extension	1.97 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	A-EE9002E	Outline Drawing	A-SS78906-800





TERM. END

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

3-31-92

REV	DATE	CHANGE	NAME
1	09-10-1999	NEW DRAWING	TRB

Lincoln MOTORS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOL. ON XX± .03 XXX± .005 XXXX± .0005 ANGLES± 7'30"

MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED

FINISH

MATERIAL

DRAWN BY	TRB	09-10-1999
CHKD BY	ML	09-10-1999
APPD BY	GK	09-10-1999

PART NAME OUTLINE
56 FR. - 1Ø

DRWG NO A- SS78906LN

PURCHASED | CADD FILE NO. SS78906LN

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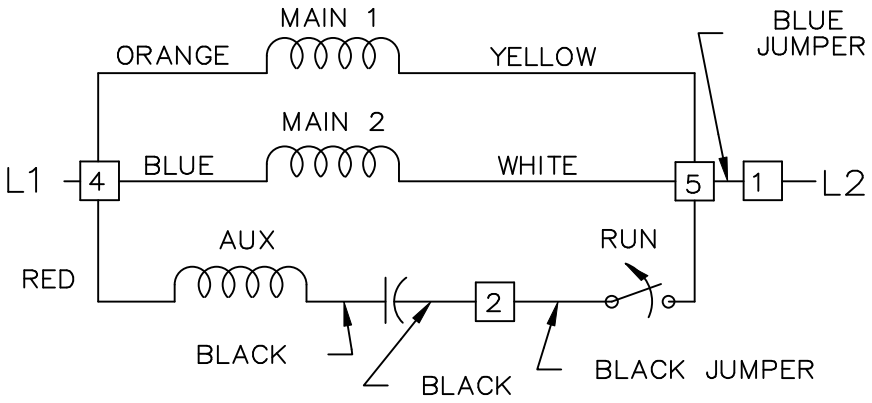
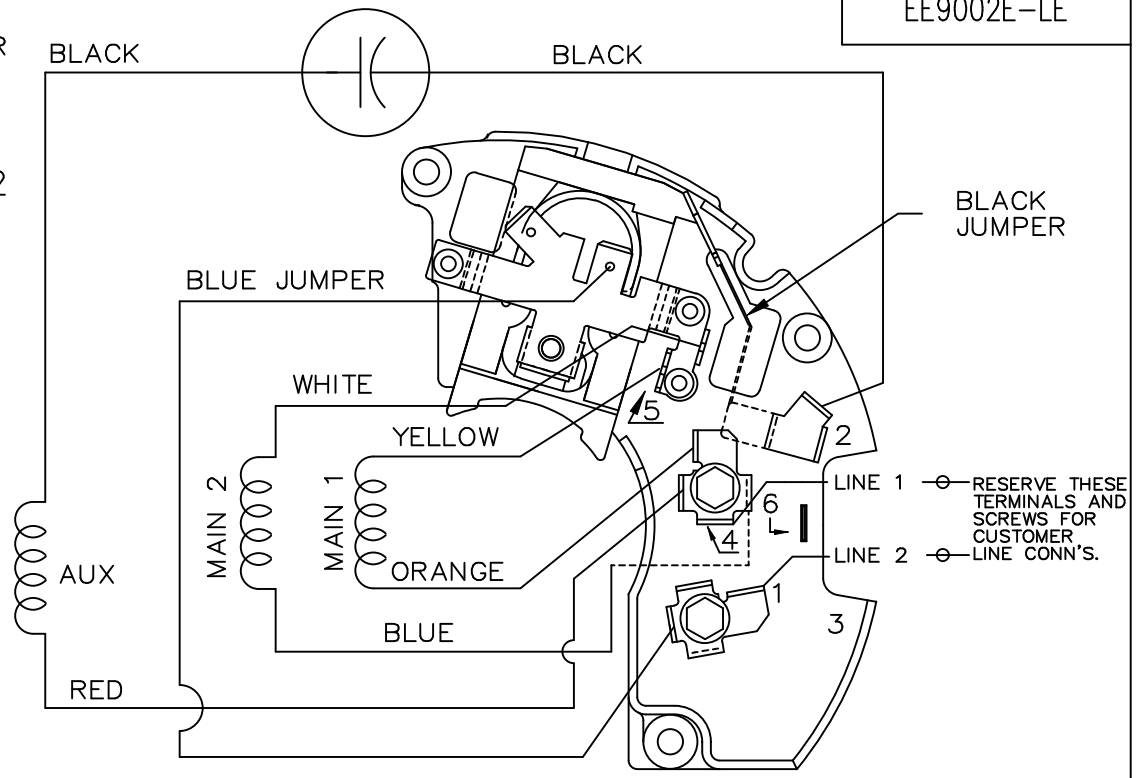
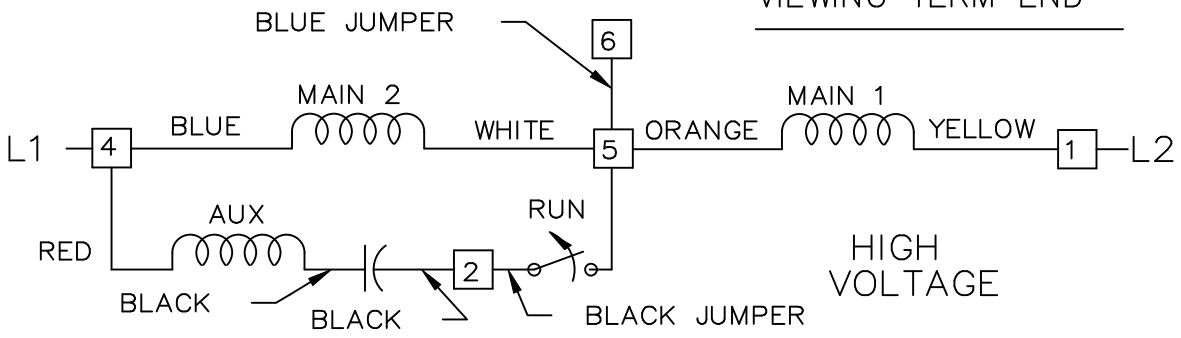


LOW
VOLTAGE

DUAL VOLTAGE CAPACITOR START
REVERSIBLE ON TERM BOARD
NO OVERLOAD PROTECTION



VIEWING TERM END



HIGH
VOLTAGE

LOW VOLTAGE CCW ROTATION SHOWN

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				
				DEC.	INCHES	LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN RDH 01/28/2003	
				.X	±.1		CHK ML 01/29/2003	
				.XX	±.02		APPD JET 01/29/2003	
				.XXX	±.005	TITLE CONNECTION DIAGRAM 48FR. DUAL VOLTAGE REVERSIBLE	SCALE 1=1	
				.XXXX	±.0005		REF	
1	NEW DRAWING MU45264	RDH 01/29/2003	JET	ANG	±7'30"	MAT'L.	FMF	
NO.	REVISION	BY & DATE	CHK			FINISH	PREV	

RFP
DIST WP
CAD FILE ee9002el-

SIZE	DRAWING NO.	PAGE	OF	REV.
A	EE9002E-LE			1

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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

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

* N O T E S *

DATE: 06/21/2017 09:24:44 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

MARATHON ELECTRIC CORPORATION

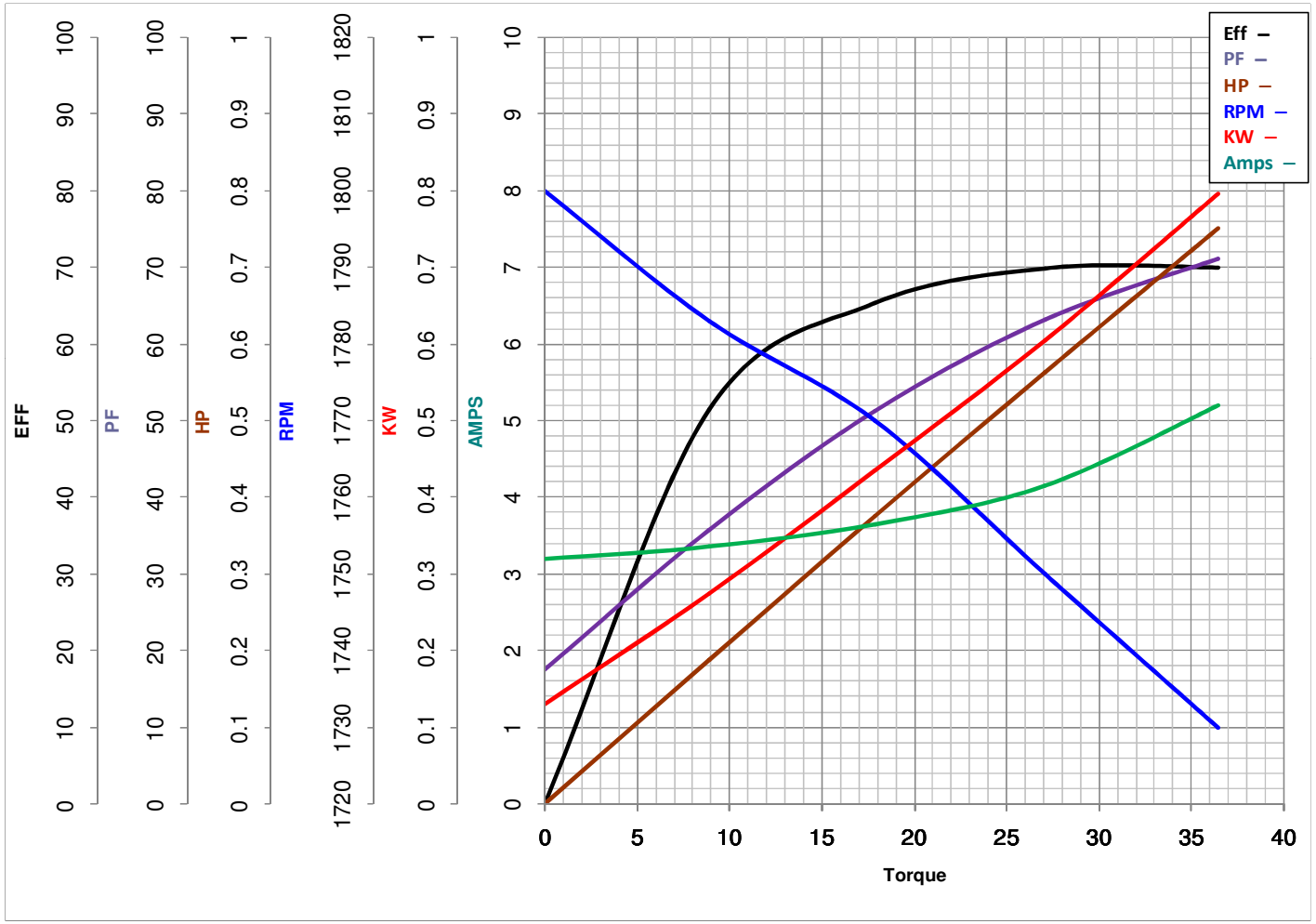
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Model No 56C17D2054

Catalog No S014

Curve at 230 **Volts** **HP** 0.75 **PHASE** 1
60 **HZ**
0.75 **HP** **VOLTS** 115/230
HZ 60 **RPM** 1725



Torque in Oz.Ft

FL TORQUE	36.4	**Oz.Ft**	**FL AMPS**	10.4/5.2	
BD TORQUE	77.7	**Oz.Ft**	**PU TORQUE**	73.7	**Oz.Ft**
LR TORQUE	82.5	**Oz.Ft**	**LR AMPS**	23.4	
WINDING	CE48447-3			**Date**	**1/7/2019**

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 056C17D2054

(Model No. may contain prefix and/or suffix characters)

Catalog No : S014

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)
EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:

Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22