PRODUCT INFORMATION PACKET

Model No: C6C17FC175A

Catalog No: 117704.00

117704.00..1/2HP..1725RPM.56C.TEFC.115/230V.1PH.60HZ.CONT.40C.1.15SF.C-FACE.C6C17FC175.....UNIT HANDLING.NONE.....

Unit Handling

Product Information Packet: Model No: C6C17FC175A, Catalog No:117704.00
117704.00..1/2HP..1725RPM.56C.TEFC.115/230V.1PH.60HZ.CONT.40C.1.15SF.C-FACE.C6C17FC175.....UNIT HANDLING.NONE.....

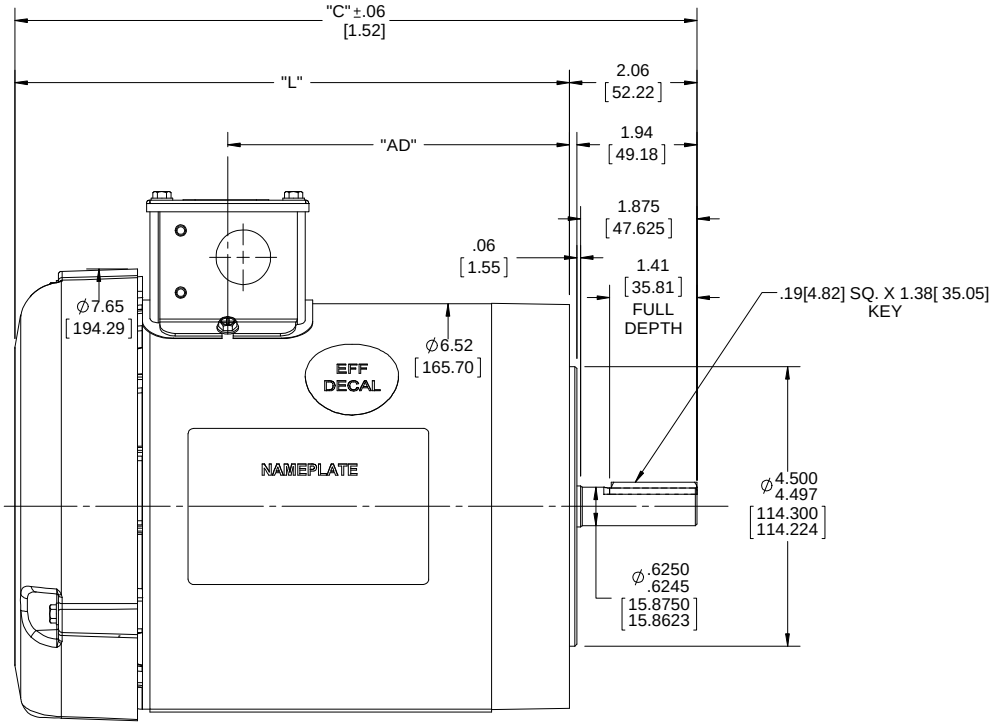
Nameplate Specifications

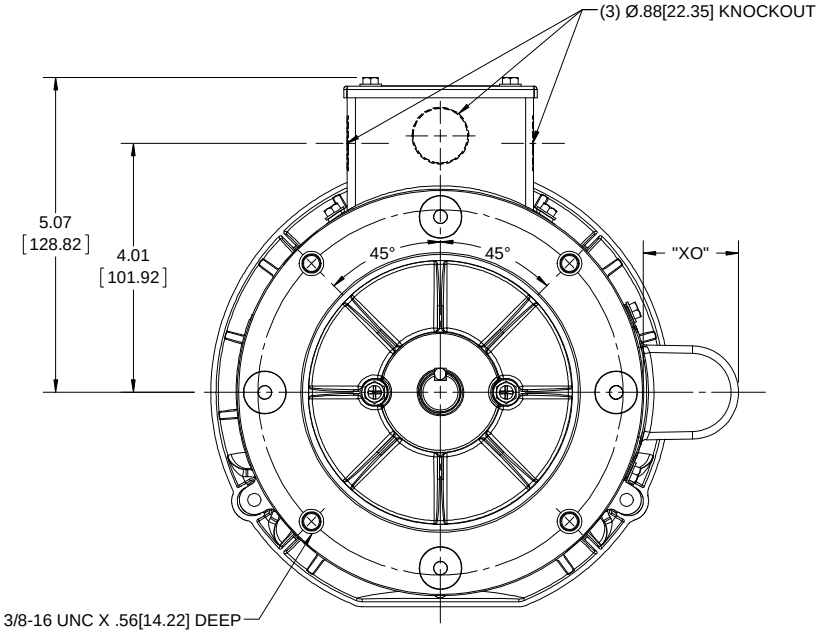
Output HP	**0.50 Hp**	Output KW	**0.37 kW**
Frequency	**60 Hz**	Voltage	**115/208-230 V**
Current	**8.8/4.4 A**	Speed	**1725 rpm**
Service Factor	**1.15**	Phase	**1**
Efficiency	**66 %**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**L**
KVA Code	**L**	Frame	**56C**
Enclosure	**Totally Enclosed Fan Cooled**	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	**43**		

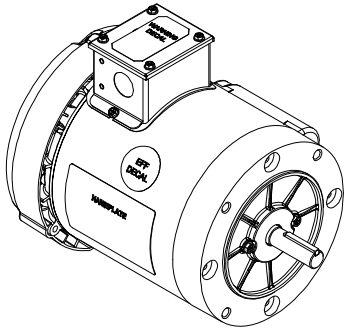
Technical Specifications

Electrical Type	**Capacitor Start Induction Run**	Starting Method	**Across The Line**
Poles	**4**	Rotation	**Selective Counterclockwise**
Mounting	**Round**	Motor Orientation	**HORIZONTAL**
Drive End Bearing	**BALL**	Opp Drive End Bearing	**BALL**
Frame Material	**Rolled Steel**	Shaft Type	**NEMA 56**
Overall Length	**10.98 in**	Frame Length	**5.50 in**
Shaft Diameter	**0.625 in**	Shaft Extension	**1.88 in**
Assembly/Box Mounting	**F3**		
Outline Drawing	**607-0355-550A**	Connection Diagram	**005005.01**

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created: 10/15/2018







DASH NO.	"C"	"L"	"AD"
550	10.98[278.89]	8.93[226.82]	5.50[139.70]

CAP DASH	"XO"
A	1.53[38.86]
B	2.08[52.83]
C	2.32[58.92]

MAXIMUM FACE RUNOUT TO BE .004 T.I.R
MAXIMUM PILOT ECCENTRICITY .002 T.I.R
PERMISSIBLE SHAFT RUNOUT .002 T.I.R

NOTE:
1) GASKETS THROUGHOUT.

DRAWING REVISION A	REVISION BY	DATE
ECO ECO-0136357	APPROVED BY	DATE
ECO DESCRIPTION OUTLINE CONVERSION PROJECT		

TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5 °
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45 °
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 125 INCH / 3.2 mm
mm SHOWN IN [BRACKETS]

DRAWN BY	A. KEETHA
DATE	02/15/2018
APPROVED BY	PK
DATE	05/23/2018
REFERENCE	607-0026
THIRD ANGLE PROJECTION	

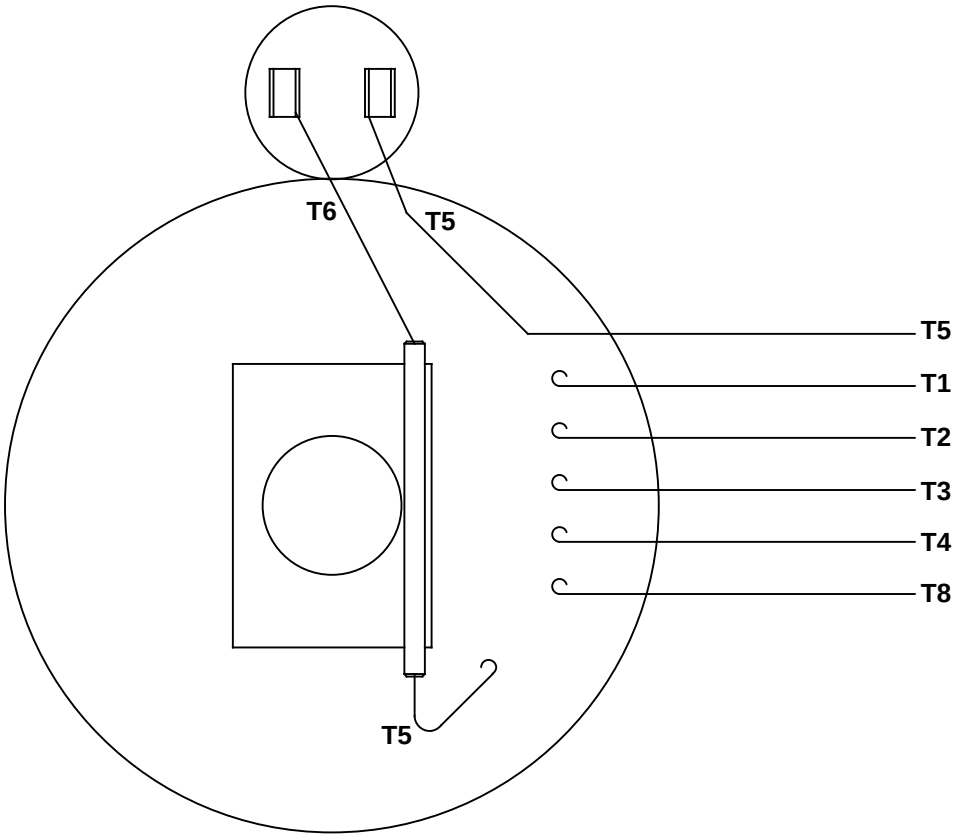
Regal Beloit America, Inc.

DESCRIPTION
OUTLINE
56C FRAME TEFC

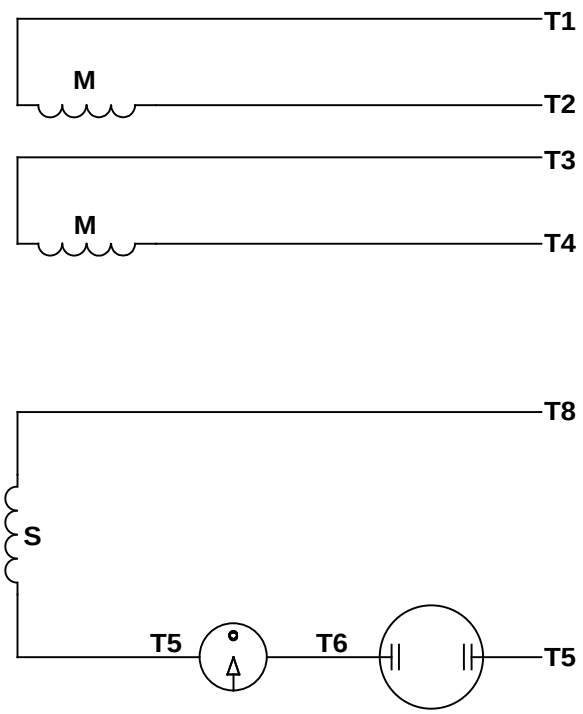
MATERIAL | PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
B	607-0355	1 OF 1

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



	ROTATION FACING LEAD END	L1	L2	JOIN
HIGH VOLT	C.C.W.	T1	T4,T5	T2,T3,T8
	C.W.	T1	T4,T8	T2,T3,T5
LOW VOLT	C.C.W.	T1,T3,T8	T2,T4,T5	-----
	C.W.	T1,T3,T5	T2,T4,T8	-----

NO	REVISION	BY & DATE	CHK
--	REDRAWN IN SOLIDWORKS	VJB 02/16/11	
27	UPDATED TO CURRENT STANDARDS	DBT 05/27/97	
26	ADDED PAGE 32 (114787) & PAGE 33 (114788)	KAZ 12/20/95	PG
25	ADDED PAGE 31	KAZ 04/19/95	DL
24	ADDED PAGES 29 & 30	KMM 03/30/95	DL
23	ADDED PAGE 28	KMM 01/27/95	

TOLERANCES UNLESS SPECIFIED

DEC	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE EXTERNAL WIRING DIAGRAM
TYPE "C" W/O PROTECTOR

MAT'L DECAL - 004012

FINISH

DRAWN	ADH 08/06/73
CHK	
APPR	JCW 03/09/79
SCALE	1:1
REF	FIG 2-23 C4A
FMF	MGI-2.4B
PAGE	OF

THIRD ANGLE PROJECTION

RFP

PREV

NETWORK FILE NAME 00500501

SIZE A

DRAWING NO 005005-01

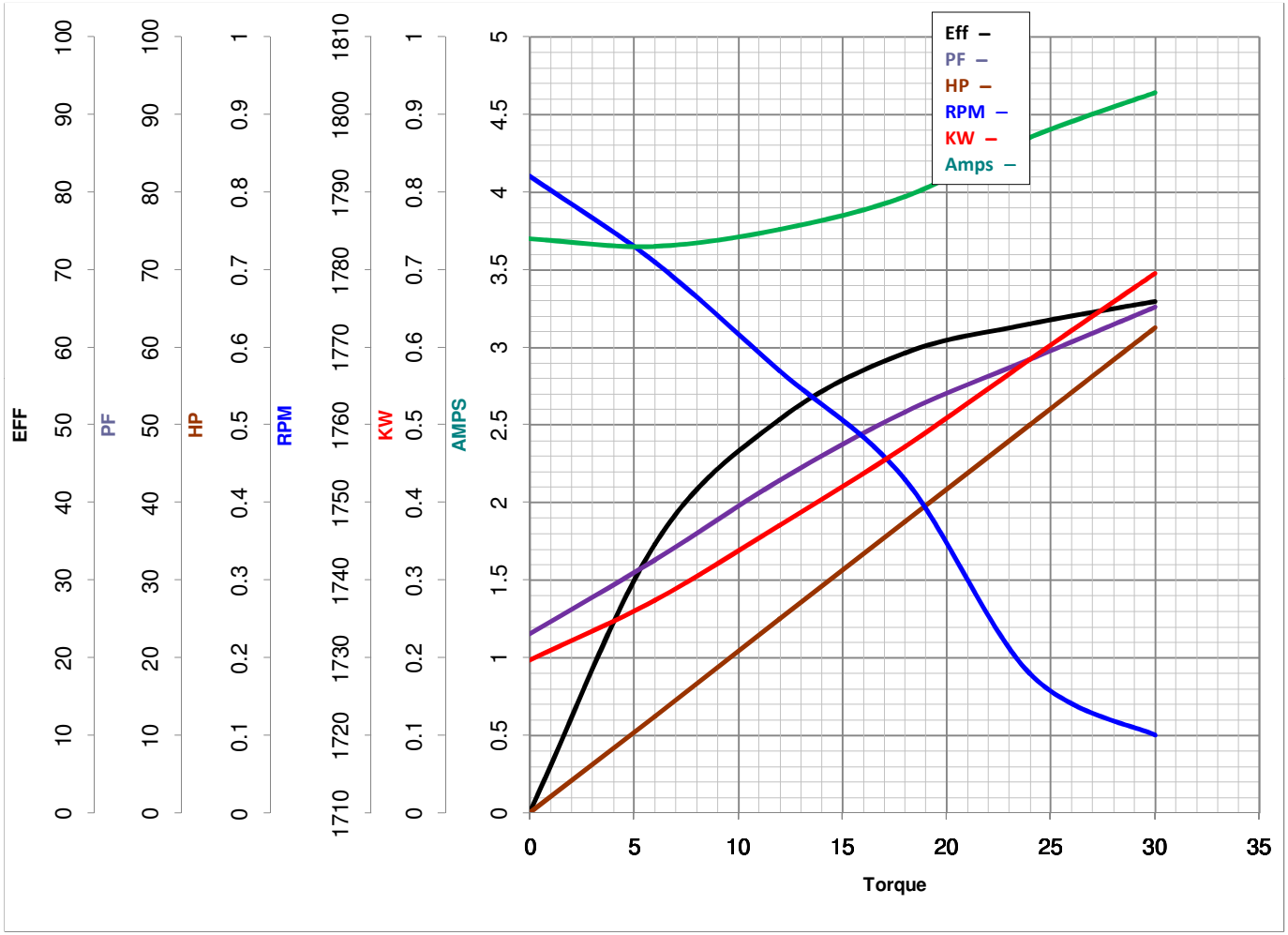
REV --

2/17/2011 9:21:36 AM

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Curve at	230	**Volts**	**HP**	0.50	**PHASE**	1
	60	**HZ**				
Model No 117704.00	0.5	**HP**	**VOLTS**	115/208-230		
Catalog No 117704.00			**HZ**	60	**RPM**	1725



Torque in Oz.Ft

FL TORQUE	24	**Oz.Ft**	**FL AMPS**	8.8/4.4	
BD TORQUE	67.3	**Oz.Ft**	**PU TORQUE**	64.5	**Oz.Ft**
LR TORQUE	86.4	**Oz.Ft**	**LR AMPS**	20.28	
WINDING	C634257-3			**Date**	**3/26/2018**