PRODUCT INFORMATION PACKET

Model No: 102916.00
Catalog No: 102916.00
General Purpose Motor, 0.25 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, S56C Frame, TEFC

Operational at 115/208-230 V @60HZ

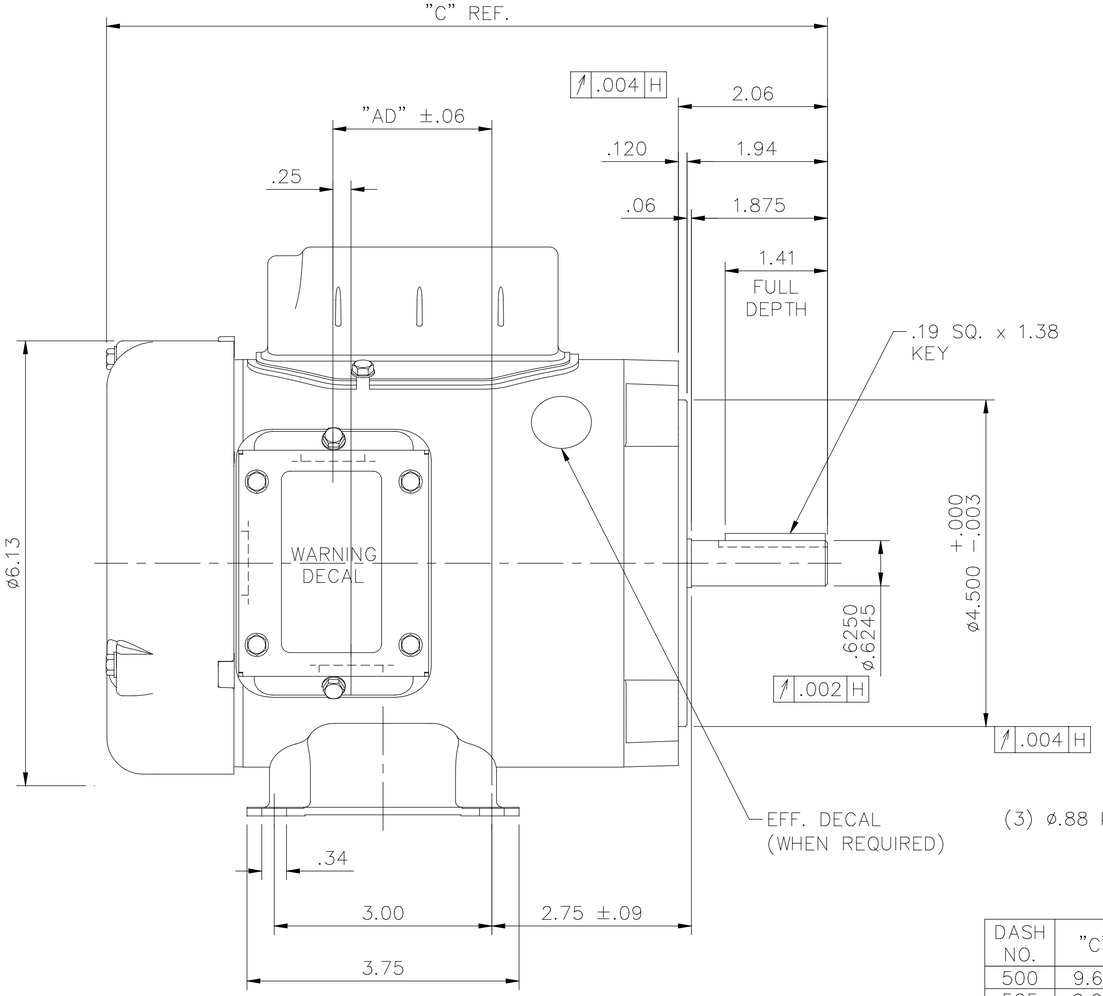
Nameplate Specifications

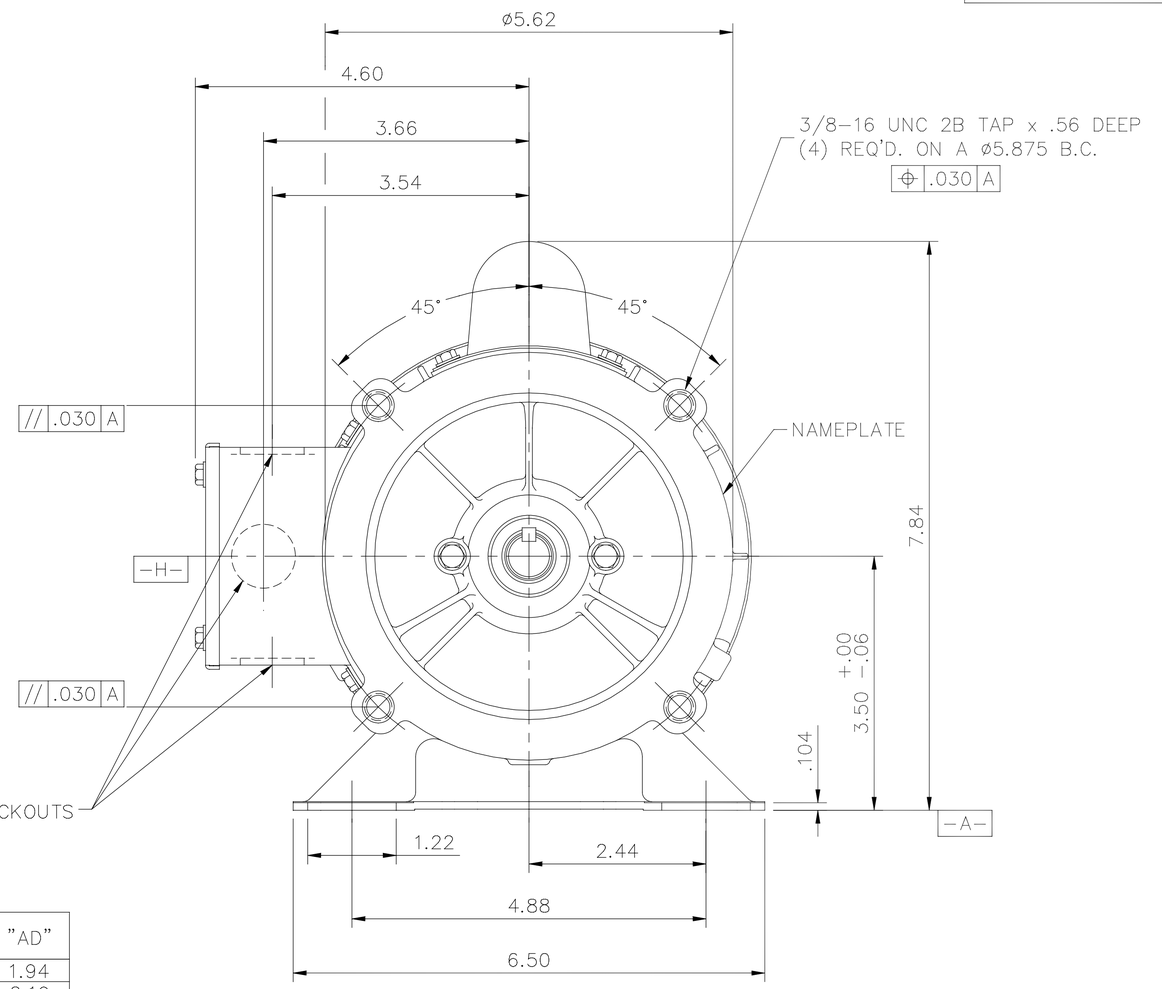
Phase	1	Output HP	0.25 Hp
Output KW	0.19 kW	Voltage	115/230 V
Speed	1725 rpm	Service Factor	1.15
Frame	S56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	56 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	5.4/2.7 A	Power Factor	54
Duty	Continuous	Insulation Class	B
Design Code	N	KVA Code	M
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	6.76 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	9.69 in
Frame Length	5.00 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	031765-500	Connection Drawing	005005.44

031765





DASH NO.	"C"	"AD"
500	9.69	1.94
525	9.94	2.19
550	10.19	2.44
575	10.44	2.69
600	10.69	2.94
625	10.94	3.19
650	11.19	3.44
675	11.44	3.69
700	11.69	3.94
725	11.94	4.19
750	12.19	4.44

GASKETS THROUGHOUT

NO.	REVISION	BY & DATE	CHK
A	ADDED WARNING AND EFF DEACLS	SL 10/05/15	VS

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE: OUTLINE – S56C FRAME RIGID "C" FACE – TEFC

MAT'L. 1 PHASE

FINISH

CAD FILE 031765

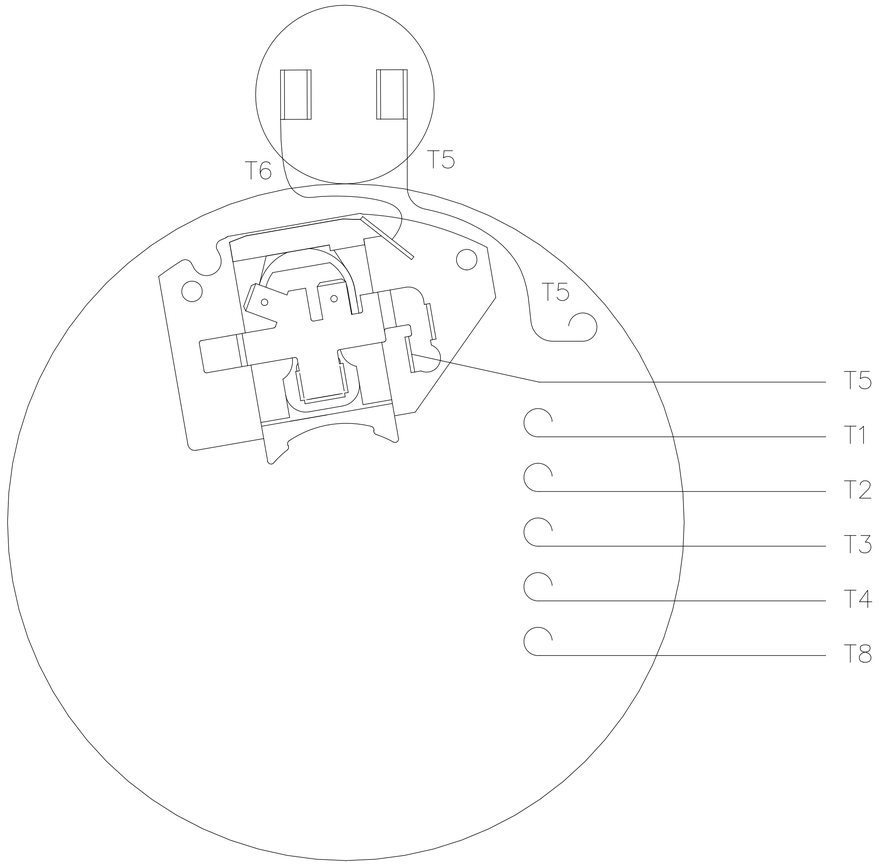
RFP

DIST

DRAWN	PG 4/29/04
CHK	
APPD	
SCALE	1=2
REF	031649
FMF	102916.00
PREV	

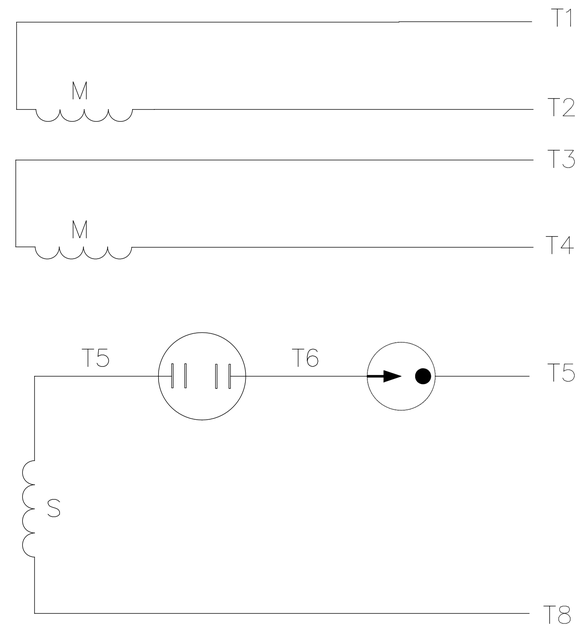
SIZE B | DRAWING NO. 031765 | REV.

005005-44



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	CH'K'D.
01	MOVED T5 TO "INSIDE" SWITCH TERMINAL	PG 8/2/01	

TOLERANCES UNLESS OTHERWISE SPECIFIED

DEC.	INCHES	METRIC
.X	±.1	±2.5
.XX	±.01	±.25
.XXX	±.005	±.127
.XXXX	±.0005	±.0127
FRACTIONS	±1/64	
ANGLES	±1/2°	

REGAL™ Regal Beloit America, Inc.

DRAWN	PG 5/7/01
APPR.	
R.F.P.	
SCALE	5=8
REF.	005005-01
FMF	100006

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

MAT'L.: DUAL VOLTAGE – DUAL ROTATION

FINISH

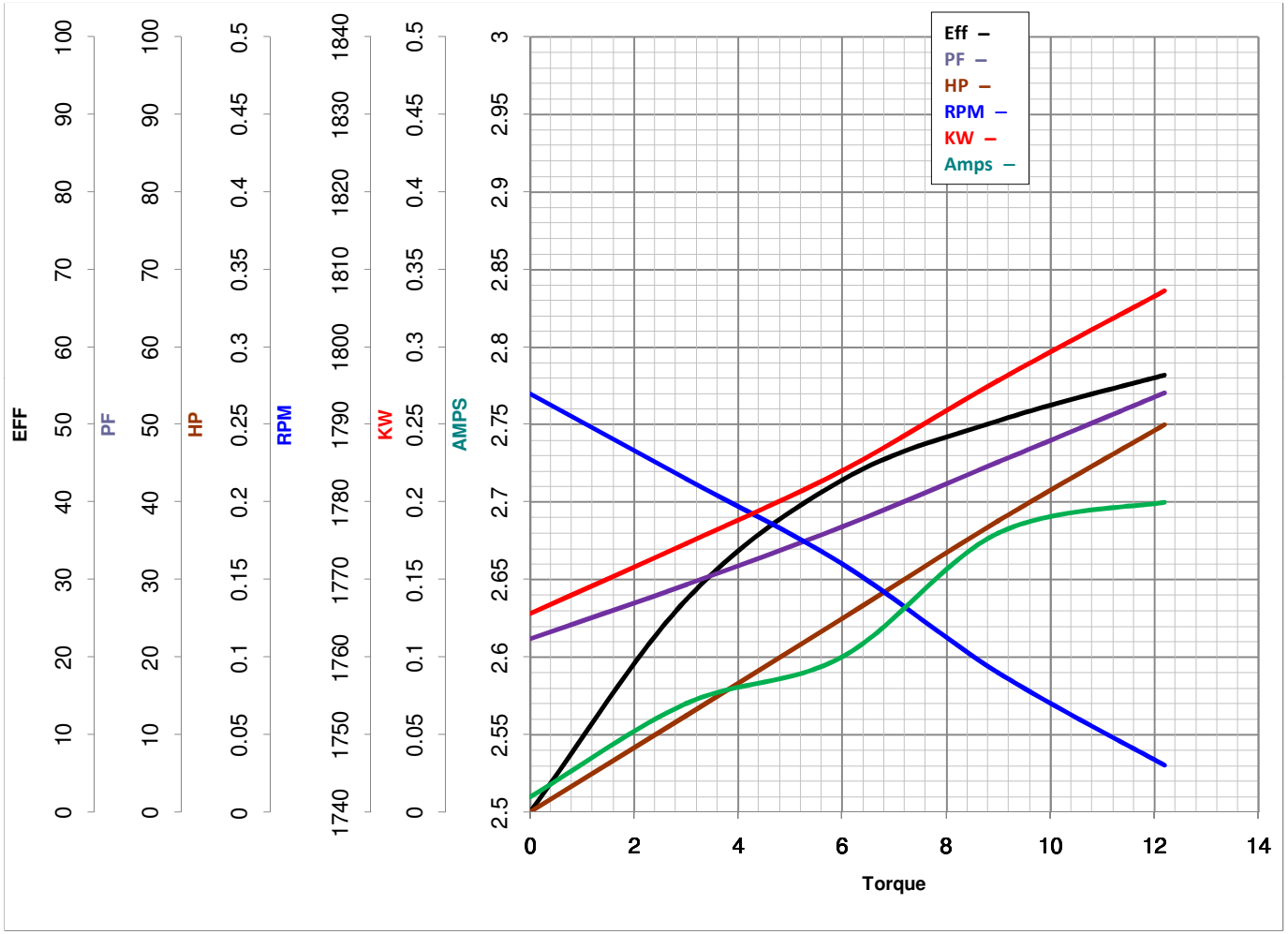
REV. 01

DRAWING NO. 005005-44

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Curve at	230	**Volts**	**HP**	0.26	**PHASE**	1
	60	**HZ**				
Model No 102916.00	0.25	**HP**	**VOLTS**	115/208-230		
Catalog No 102916.00			**HZ**	60	**RPM**	1725



Torque in Oz.Ft

FL TORQUE	12.2	**Oz.Ft**	**FL AMPS**	5.4/2.4-2.7	
BD TORQUE	37.8	**Oz.Ft**	**PU TORQUE**	36.5	**Oz.Ft**
LR TORQUE	43.6	**Oz.Ft**	**LR AMPS**	11.5	
WINDING	CE484211-3			**Date**	**4/26/2018**