

PRODUCT INFORMATION PACKET



Model No: 092011.00

Catalog No: 092011.00

General Purpose Motor, 0.17 HP, 1 Ph, 60 Hz, 115/208-230 V, 3600 RPM, 42 Frame, TENV



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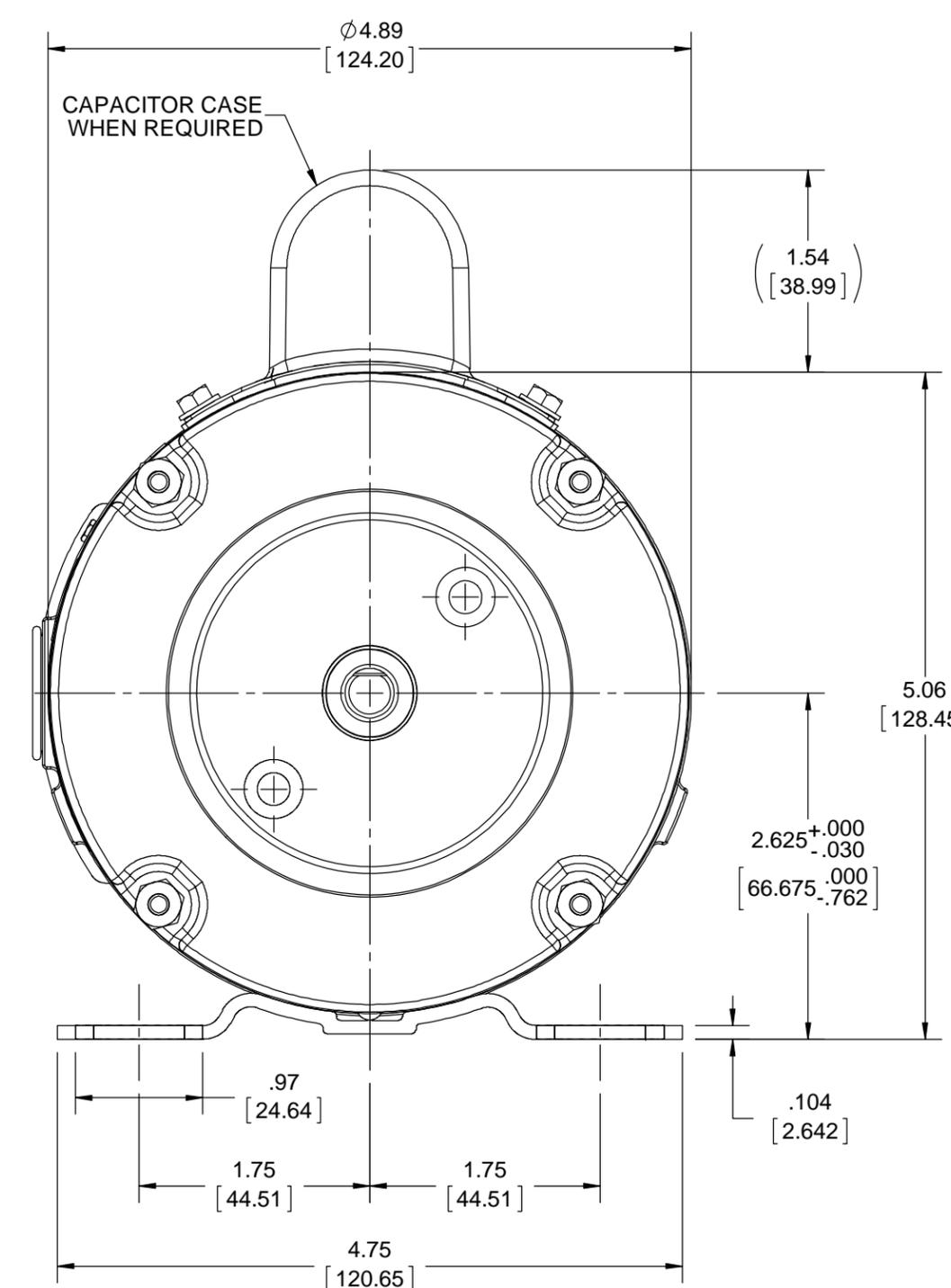
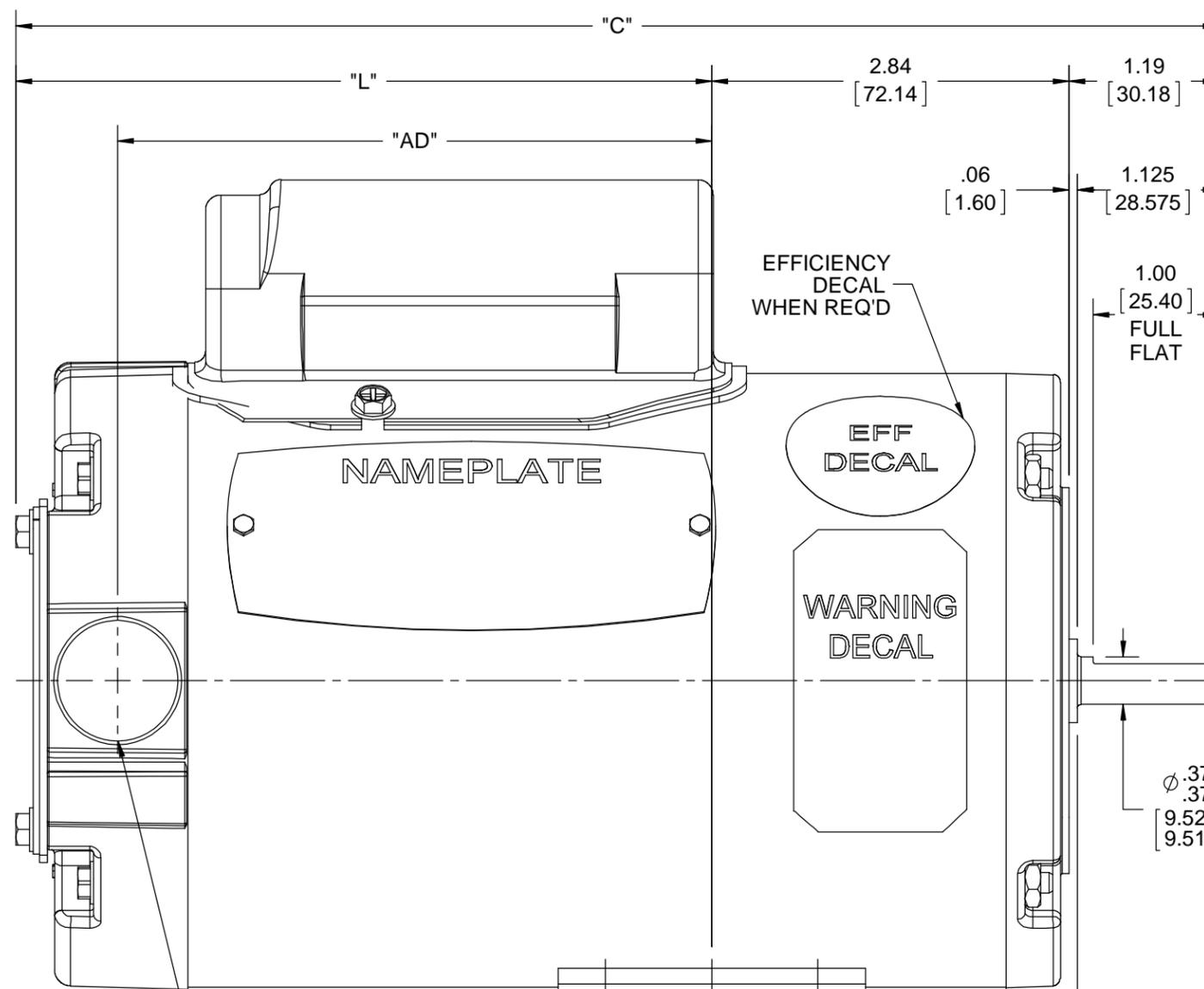


Nameplate Specifications

Output HP	0.17 Hp	Output KW	0.13 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	2.5/1.3 A	Speed	3450 rpm
Service Factor	1	Phase	1
Efficiency	60 %	Power Factor	72
Duty	Continuous	Insulation Class	B
Design Code	NO DESIGN CODE	KVA Code	N
Frame	42	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No Protection	Ambient Temperature	40 °C
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	2	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	STANDARD 42	Overall Length	9.56 in
Frame Length	6.50 in	Shaft Diameter	0.375 in
Shaft Extension	1.12 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005312.01	Outline Drawing	027516-R42



FRAME	"C"	"L"	"AD"
G42	7.56 [192.02]	3.53 [89.66]	2.72 [69.08]
H42	7.81 [198.37]	3.78 [96.01]	2.97 [75.43]
J42	8.06 [204.72]	4.03 [102.36]	3.22 [81.78]
K42	8.31 [211.07]	4.28 [108.71]	3.47 [88.13]
L42	8.56 [217.42]	4.53 [115.06]	3.72 [94.48]
M42	8.81 [223.77]	4.78 [121.41]	3.97 [100.83]
N42	9.06 [230.12]	5.03 [127.76]	4.22 [107.18]
P42	9.31 [236.47]	5.28 [134.11]	4.47 [113.53]
R42	9.56 [242.82]	5.53 [140.46]	4.72 [119.88]
T42	9.81 [249.17]	5.78 [146.81]	4.97 [126.23]
U42	10.06 [255.52]	6.03 [153.16]	5.22 [132.58]
UV42	10.31 [261.87]	6.28 [159.51]	5.47 [138.93]
V42	10.56 [268.46]	6.53 [165.86]	5.72 [145.28]

NOTE:-
1) GASKETS THROUGHOUT.

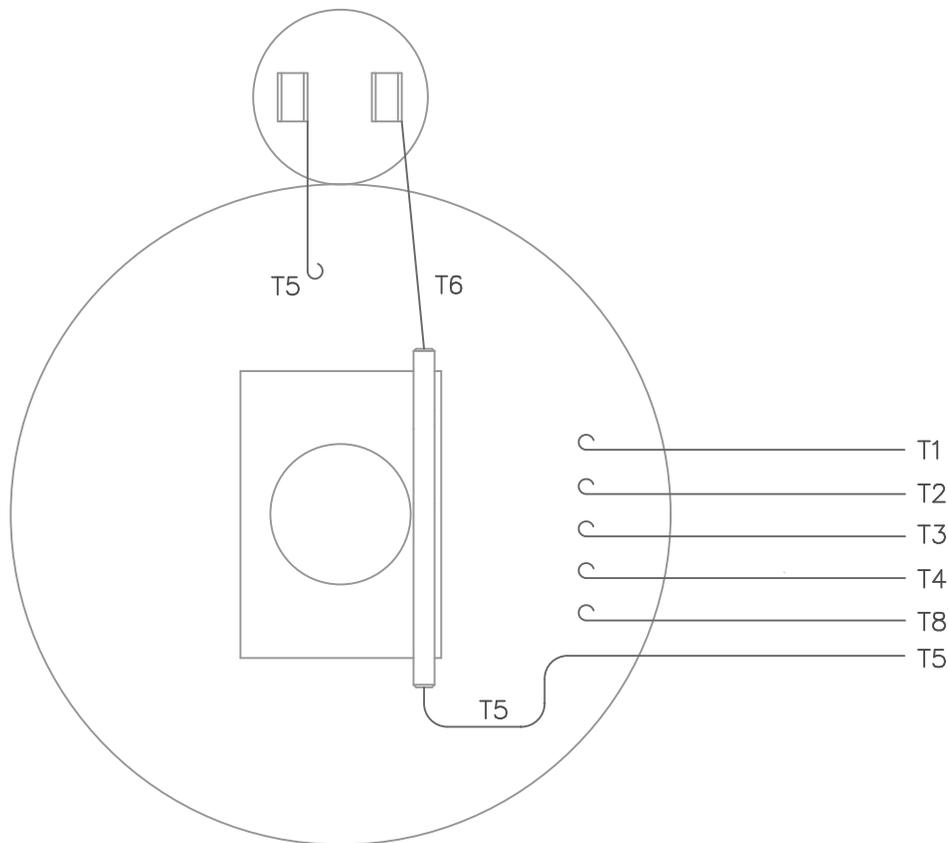
DRAWING REVISION D
ECO ECO-0143018
ECO DESCRIPTION
OUTLINE CONVERSION PROJECT
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REVISION BY A.SUPPANAVAR
APPROVED BY PK
DATE 02/02/2018
DATE 04/10/2018
TOLERANCES UNLESS OTHERWISE SPECIFIED:
DEC. INCH mm ANGLE
.X ±0.1 [±2.5]
.XX ±0.01 [±0.25]
.XXX ±0.005 [±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 3.2 INCH mm
mm SHOWN IN [BRACKETS]

DRAWN BY RT
DATE 09/05/89
APPROVED BY DJW
DATE 09/05/89
REFERENCE 027516
THIRD ANGLE PROJECTION

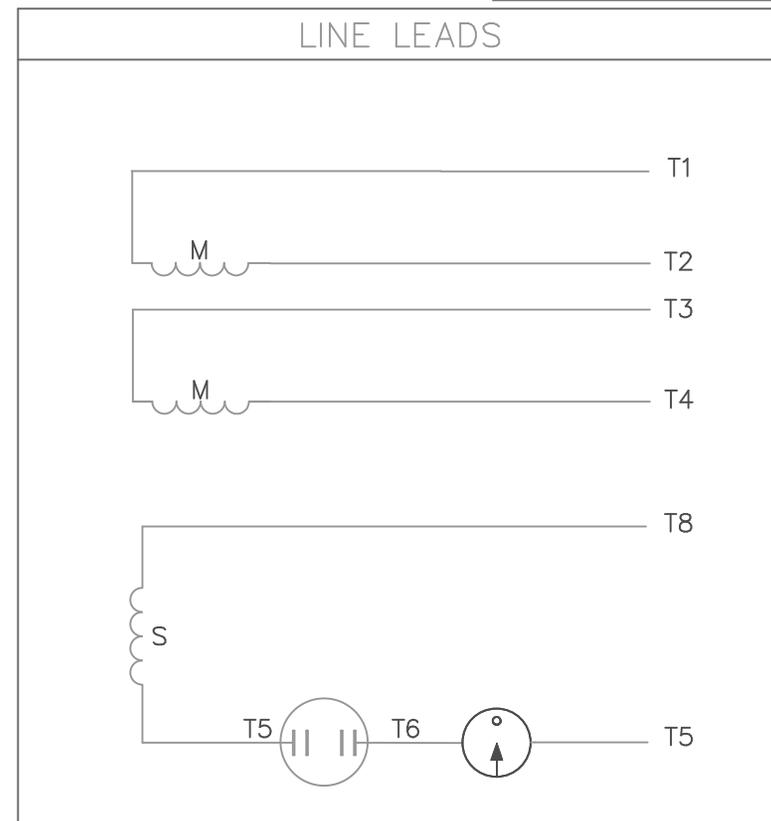
REGAL™ Regal Beloit America, Inc.
DESCRIPTION
OUTLINE
42 FRAME RIGID-T.E.N.V.
MATERIAL
PROCESS/FINISH STANDARD
SIZE B DRAWING NUMBER 027516 SHEET 1 OF 1

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



ALL CONNECTIONS ON STATIONARY SWITCH ARE SOLDERED

GEARMOTORS
2-STAGE REF. DECAL 004012
3-STAGE REF. DECAL 081062



	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	FRACTIONS	± 1/64
06	ADDED GEARMOTOR NOTE	KMM	04/04/02	TOLERANCES UNLESS OTHERWISE SPECIFIED	
05	UPDATED TO CURRENT STANDARDS	MDN	2/16/00		
04	ADDED PAGE 6	PG	4/5/94	DECIMALS	
03	ADDED PAGE 4 AND 5	MJS	4/7/93	.00	± .01
02	CHANGED TO SOLDERED LEADS	KAZ	7/2/92	.000	± .005
01	ADDED PAGE 2 AND 3	DLL	8/23/90	.0000	± .0005
				ANGLES	± 1/2°
				INCH/MM	

LEESON ELECTRIC CORPORATION		DRAWN	GS 8/14/89	TITLE	EXT. WIRING DIAGRAM
		CH'K'D.	DLL 8/22/89	TYPE "C" W/O PROTECTOR	
		APPR.	DJW 8/22/89	MAT'L.	42 - FRAME
		SCALE	1=1	DECAL - 004012	
		REF.	005005-19	FINISH	STANDARD
		FMF		SIZE	A
				DRAWING NO.	005312-01



**1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810**

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005312.01
OUTLINE: 027516-R42
WINDING #: C4728 NR 3 A

CATALOG #: 092011.00
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/6	0.13	3600	3450	42	TENV	N	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	2.5/1.25	ACROSS THE LINE	CONTINUOUS	B4	1.0	40

FULL LOAD EFF:	60	3/4 LOAD EFF:	59.1	1/2 LOAD EFF:	52.4	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	72	3/4 LOAD PF:	73.7	1/2 LOAD PF:	64	57.5	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
6.16 OZ-FT	16.4 / 8.2	15.17 OZ-FT 430 %	11.04 OZ-FT 288 %	73.6

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.023 LB-FT^2	0 LB-FT^2	10 SEC.	0	19 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	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	SGL SPL EXT	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

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

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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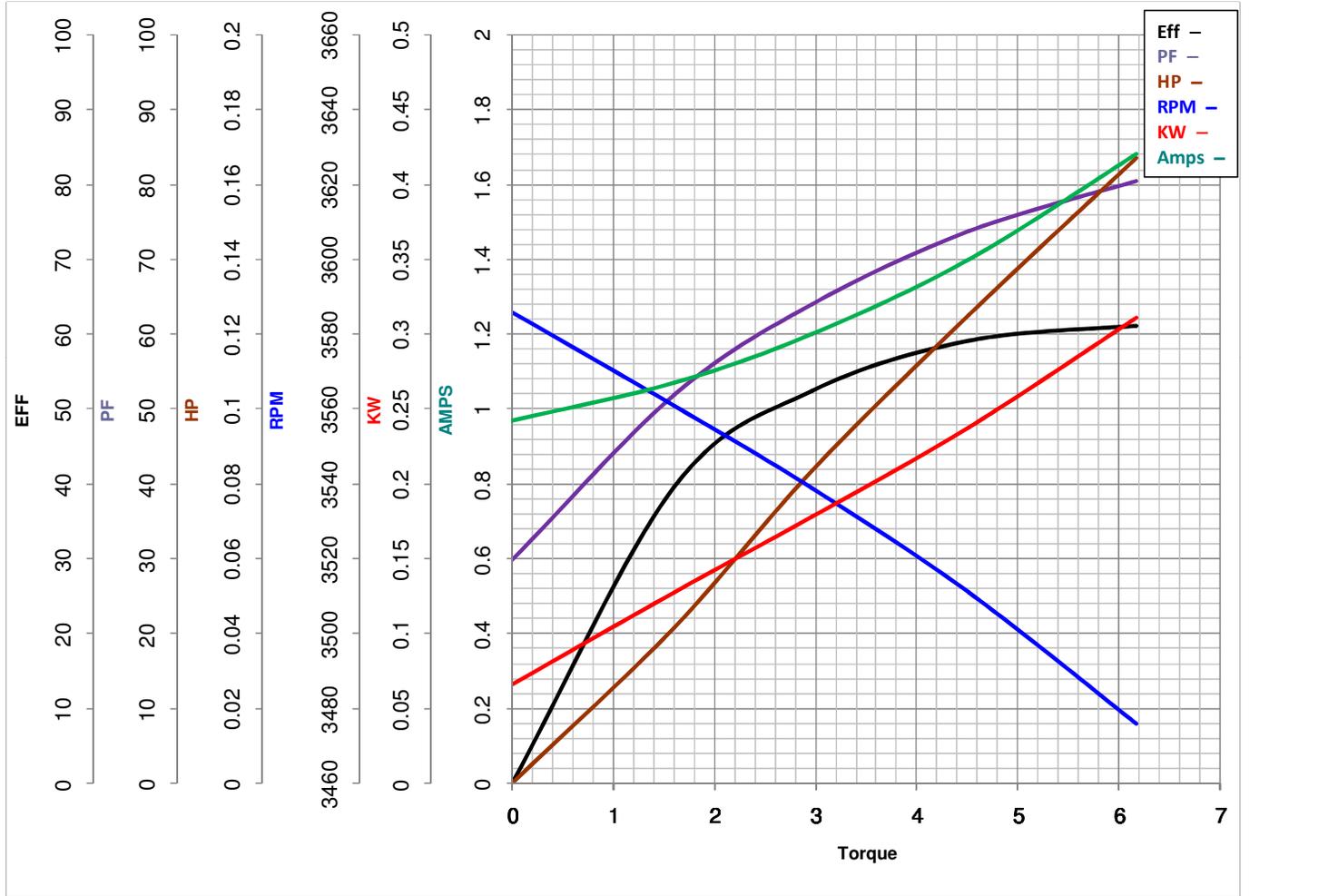


LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 092011.00

Catalog No 092011.00

Curve at 230 Volts HP 0.18 PHASE 1
60 HZ
0.167 HP VOLTS 115/208-230
 HZ 60 RPM 3450



FL TORQUE	<u>6.16</u> Oz.Ft	FL AMPS	<u>2.5/1.25</u>
BD TORQUE	<u>11.0</u> Oz.Ft	PU TORQUE	<u>7.8</u> Oz.Ft
LR TORQUE	<u>15.17</u> Oz.Ft	LR AMPS	<u>8.22</u>
WINDING	C4728-3	Date	3/22/2018