

PRODUCT INFORMATION PACKET



Model No: 111953.00

Catalog No: 111953.00

Definite Purpose Motor, 0.50 & 0.22 HP, 1 Ph, 60 & 60 Hz, 115 & 115 V, 1800 & 1800 RPM, 56H Frame,
DP



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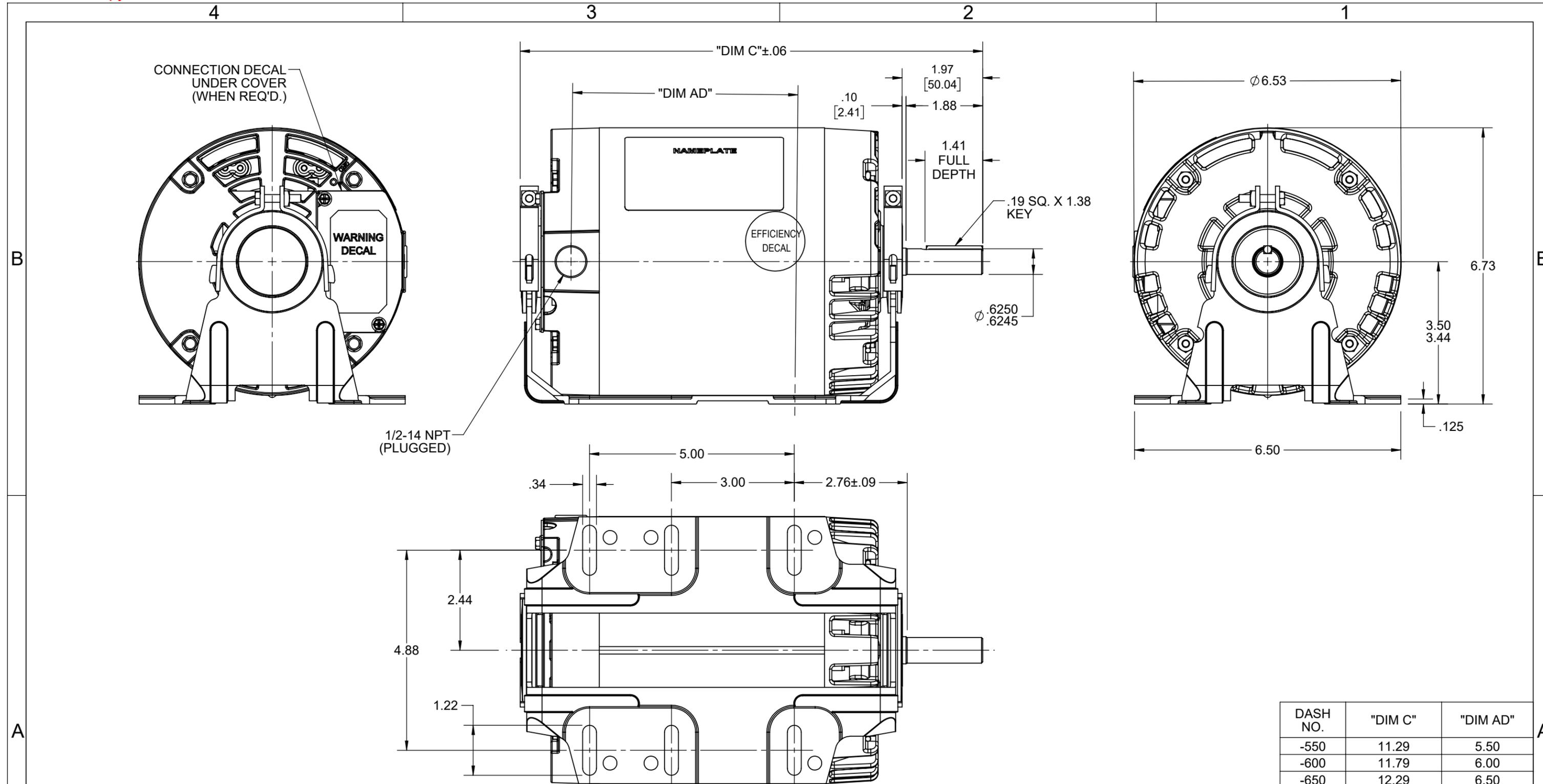


Nameplate Specifications

Phase	1	Output HP	0.50 & 0.22 Hp
Output KW	0.37 & 0.16 kW	Voltage	115 & 115 V
Speed	1725 & 1140 rpm	Service Factor	1.0 & 1.0
Frame	56H	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	61.7 & 49.6 %
Ambient Temperature	40 °C	Frequency	60 & 60 Hz
Current	7.8 & 4.6 A	Power Factor	67
Duty	Continuous	Insulation Class	B
Design Code	NO DESIGN CODE	KVA Code	N
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	12
Number of Speeds	1		

Technical Specifications

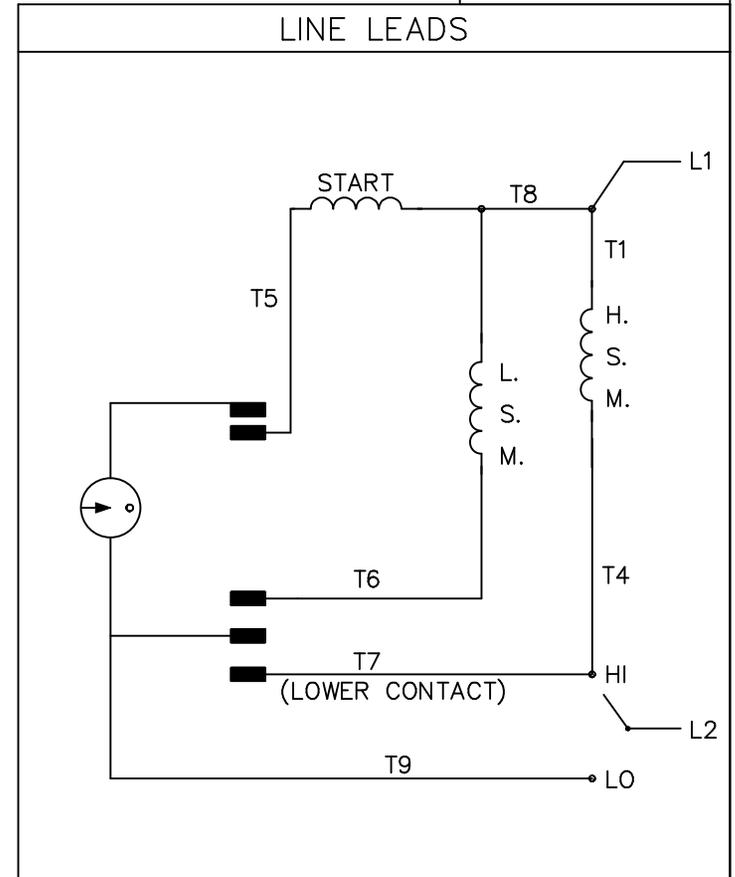
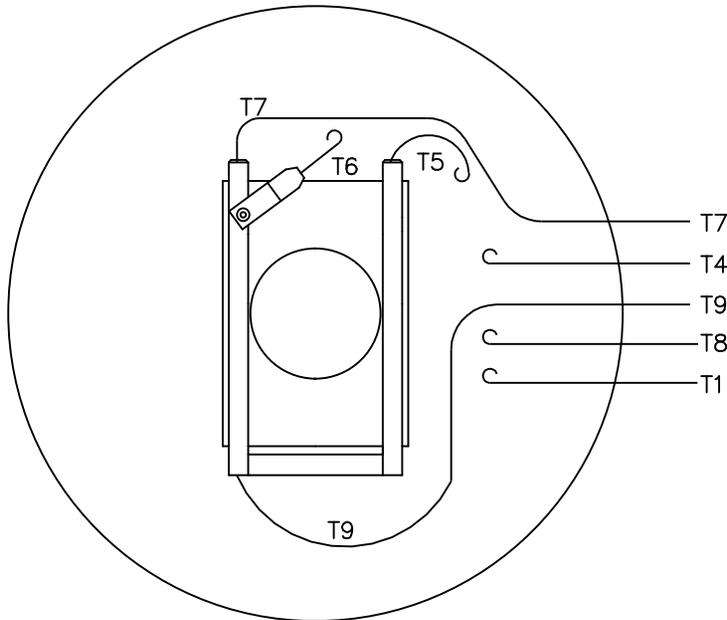
Electrical Type	Split Phase	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Resilient Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	12.32 in
Frame Length	6.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	029056-650	Connection Drawing	005203.01



DASH NO.	"DIM C"	"DIM AD"
-550	11.29	5.50
-600	11.79	6.00
-650	12.29	6.50
-700	12.79	7.00
-750	13.29	7.50

DRAWING REVISION B		REVISION BY PRASHANTH	DATE 08/29/2022	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ± 0.1 [± 2.5] $\pm 0.5^\circ$.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: 125/3.2 INCH/mm mm SHOWN IN [BRACKETS]	DRAWN BY P. GASSER	REGAL ™ Regal Beloit America, Inc.
ECO ECR-0219806		APPROVED BY PRADEEP	DATE 08/29/2022		DATE 07/21/2017	
ECO DESCRIPTION UPDATED AS PER ECR <small>COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</small>				DESCRIPTION OUTLINE 56-FRAME, DRIP PROOF		
		MATERIAL		PROCESS/FINISH		
THIRD ANGLE PROJECTION		SIZE B	DRAWING NUMBER 029056		SHEET 1 OF 1	

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



ROTATION FACING LEAD END	L1	L2	
		HI SPEED	LOW SPEED
C.C.W.	T1, T8	T4, T7	T9
C.W.	T4, T8	T1, T7	T9

				TOLERANCES UNLESS OTHERWISE SPECIFIED		LEESON ELECTRIC CORPORATION			
				DECIMALS					
				.00	± .01	DRAWN PG 10/21/83	TITLE EXTERNAL WIRING DIAGRAM		
				.000	± .005	CH'K'D. TEM	TYPE "S" W/O PROTECTOR		
02	REDRAWN ON CAD	DBT	06/09/97	.0000	± .0005	APPR. 10/21/83	MAT'L. DECAL - 080092		
NO.	REVISION	BY	DATE	FRACTIONS	± 1/64	SCALE 1=1	SPLIT PHASE		
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED				ANGLES	± 1/2°	REF. 005192	FINISH	SIZE	DRAWING NO.
				INCH/MM		FMF W555(4-6)1	65460B1	A	005203-01



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005203.01

CATALOG #: 111953.00

OUTLINE: 029056-650

MOUNTING: F1 ONLY

WINDING #: S63(4-6)15 DR 1 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2&.22	0.37&0.16	1800	1725&1140	56H	DP	N	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60/60	115&115	7.8&4.6	ACROSS THE LINE	CONTINUOUS	B4	1.0/1.0	40

FULL LOAD EFF:	61.7&49.6	3/4 LOAD EFF:	58.9	1/2 LOAD EFF:	52.5	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	67&62.8	3/4 LOAD PF:	58.4	1/2 LOAD PF:	47.6	57.5		SPLIT PHASE	

F.L. TORQUE	LOCKED ROTOR AMPS	L,R. TORQUE	B,D. TORQUE	F.L. RISE°C
24 OZ-FT	47.6	31.4 OZ-FT 131 %	18.6 OZ-FT 78 %	46

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	-1 LB-FT^2	0 LB-FT^2	10 SEC.	0	36 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RESILIENT BASE	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE - LEESON (ENAMEL)

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

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

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E

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



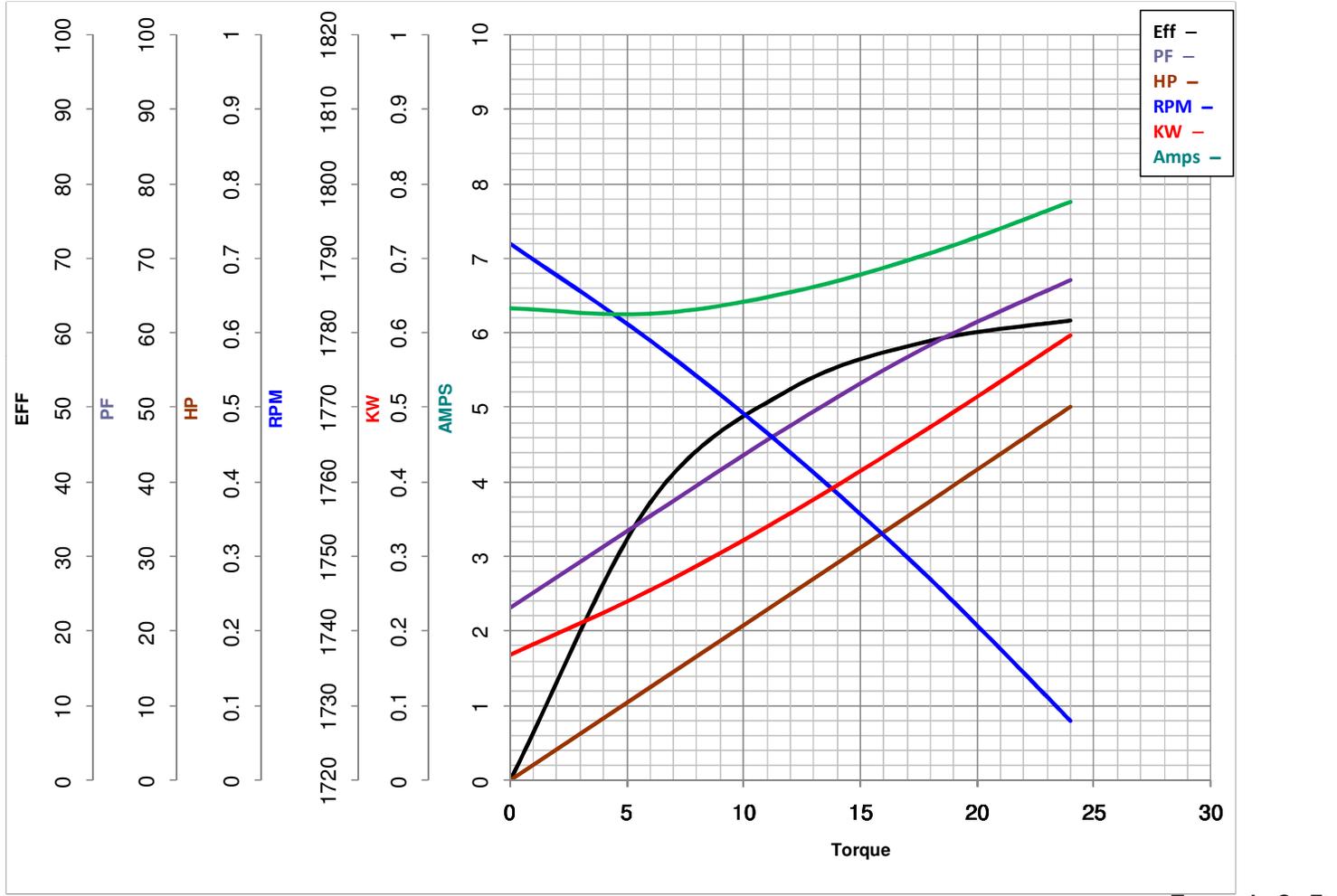
LEESON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 111953.00

Curve at 115 Volts HP 0.5&0.22 PHASE 1
60 HZ
0.5 HP VOLTS 115&115

Catalog No 111953.00

HZ 60&60 RPM 1725&1140



FL TORQUE	<u>24</u>	Oz.Ft	FL AMPS	<u>7.8</u>	
BD TORQUE	<u>47.0</u>	Oz.Ft	PU TORQUE	<u>33.3</u>	Oz.Ft
LR TORQUE	<u>33.45</u>	Oz.Ft	LR AMPS	<u>44</u>	
WINDING	S63(4-6)15-1		Date	4/12/2018	