

# PRODUCT INFORMATION PACKET



Model No: 110054.00  
Catalog No: 110054.00  
General Purpose Motor, 1 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 56H Frame, DP

Operational at 115/208-230 V @60HZ



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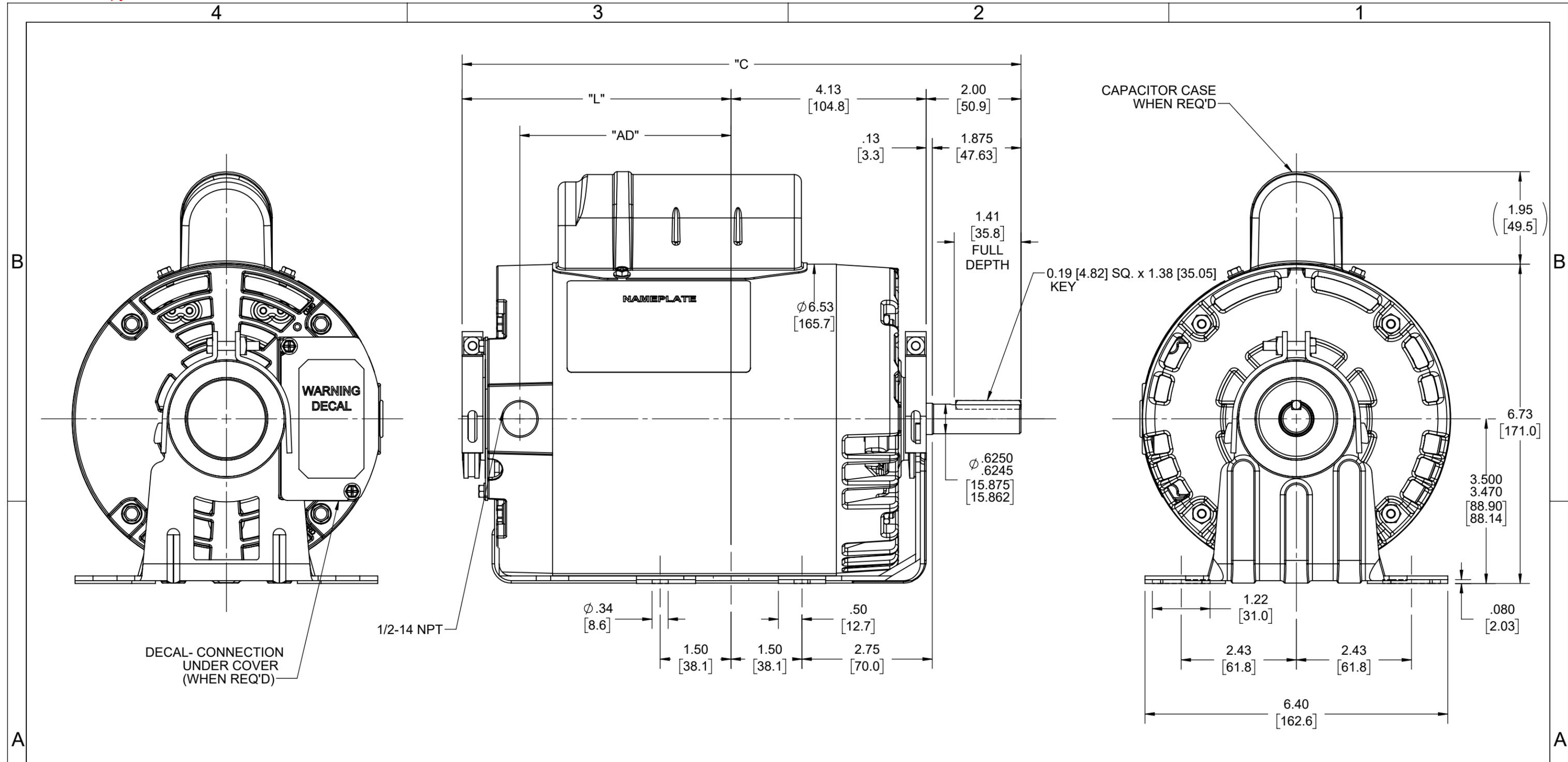


### Nameplate Specifications

Phase	1	Output HP	1 Hp
Output KW	0.75 kW	Voltage	115/230 V
Speed	1725 rpm	Service Factor	1.00
Frame	56H	Enclosure	Drip Proof
Thermal Protection	Automatic	Efficiency	75 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	12.8/6.4 A	Power Factor	68
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	K
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	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	1.9 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	11.81 in
Frame Length	6.00 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005003.01	Outline Drawing	032510-E56



FRAME	"C"	"L"	"AD"
C56	10.81 [274.57]	4.69 [119.12]	3.47 [88.13]
D56	11.31 [287.27]	5.19 [131.82]	3.97 [100.83]
E56	11.81 [299.97]	5.69 [144.52]	4.47 [113.53]
F56	12.31 [312.67]	6.19 [157.22]	4.97 [126.23]
G56	12.81 [325.37]	6.69 [169.92]	5.47 [138.93]
H56	13.31 [338.07]	7.19 [182.62]	5.97 [151.63]
J56	13.81 [350.77]	7.69 [195.32]	6.47 [164.33]

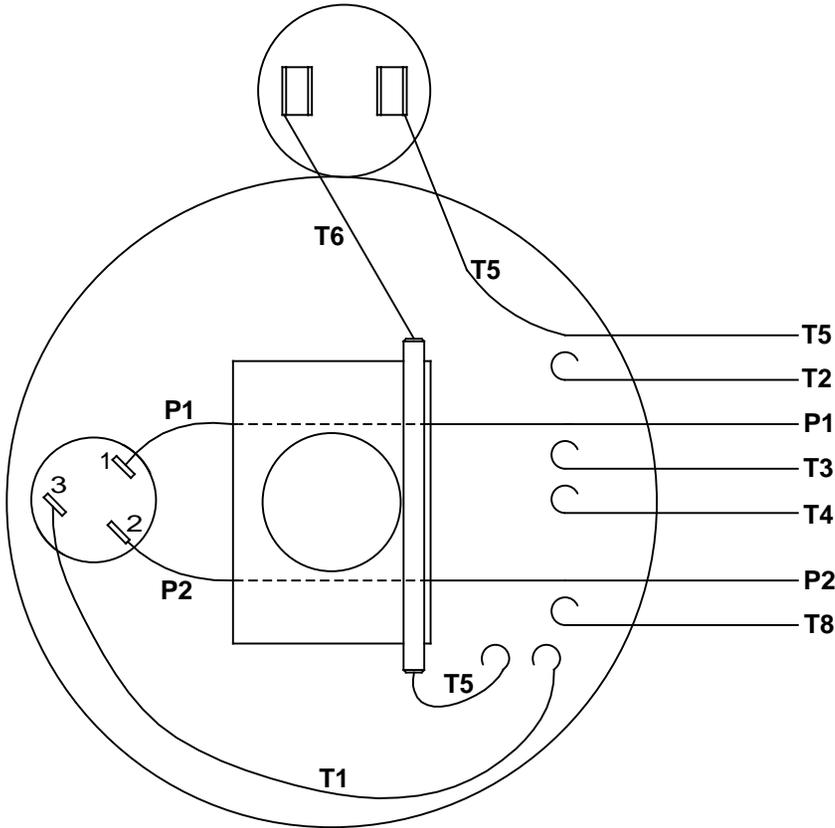
DRAWING REVISION F  
 REVISION BY PRASHANTH  
 REV DATE/© DATE 09/27/2022  
 REQUEST NUMBER ECR-0221148  
 APPROVED BY PRADEEP  
 DATE 09/27/2022  
 REQUEST NUMBER DESCRIPTION  
 ADDED WARNING DECAL  
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TOLERANCES (EXCEPT AS NOTED):  
 DEC. INCH mm ANGLE  
 .X ±0.1 [±3] ±7' 30"  
 .XX ±0.03 [±0.8]  
 .XXX ±0.005 [±0.13]  
 .XXXX ±0.0005 [±0.013]  
 REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45°  
 CORNER FILLETS: R.02 [.5]  
 MACHINED SURFACES: 200 INCH/mm 5.1  
 mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

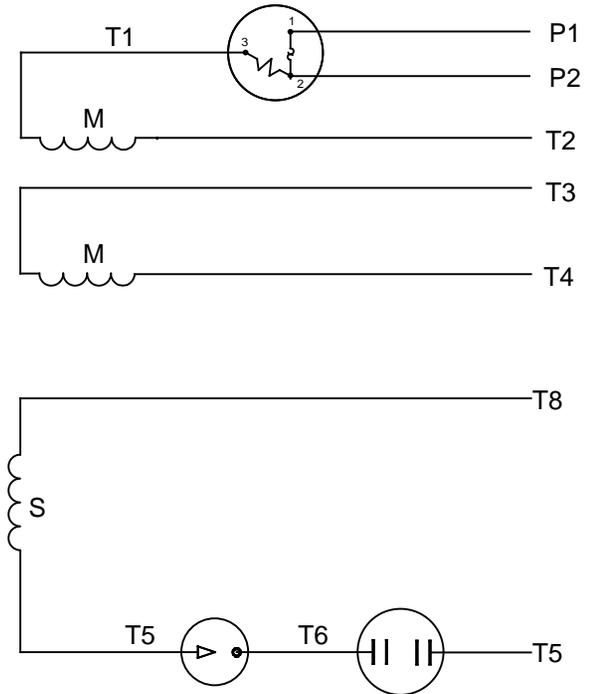
DRAWN BY ADH  
 DATE 10-25-1973  
 APPROVED BY  
 DATE  
 REFERENCE 032510  
 THIRD ANGLE PROJECTION

**Regal Rexnord** Regal Beloit America, Inc.  
**OUTLINE**  
 56 FRAME OPEN DRIP PROOF - RESIL. BASE  
 MATERIAL PROCESS/FINISH  
 SIZE B DRAWING NUMBER 032510 SHEET 1 OF 1

# VIEW FROM OUTSIDE OF MOTOR AT SWITCH END



# LINE LEADS



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	ROTATION FACING LEAD END	L1	L2	JOIN	INSULATE SEPARATELY
HIGH VOLT	C.C.W.	P1	T4 T5	T2,T3 T8	P2
	C.W.	P1	T4 T8	T2,T3 T5	P2
LOW VOLT	C.C.W.	P1	T2,T4 T5	P2,T3 T8	---
	C.W.	P1	T2,T4 T8	P2,T3 T5	---

		TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN ADH 07/25/73
		DEC	INCHES		CHK
		.X	±.1	APPR JCW 07/26/77	SCALE 1:1
30	REDRAWN IN SOLIDWORKS	VJB 7/21/2011	.XXX ±.005	TITLE EXTERNAL WIRING DIAGRAM TYPE "C" W/PROTECTOR	REF C4AMG1-2.4B
29	UPDATED TO CURRENT STANDARDS	DBT 06/30/97	.XXXX ±.0005	MAT'L DECAL - 004011	FMF FIG 2-32
NO	REVISION	BY & DATE	CHK ANG ±1/2°	FINISH	PAGE OF
THIRD ANGLE PROJECTION		RFP		PREV	SIZE DRAWING NO
		NETWORK FILE NAME 00500301			<b>A</b> <b>005003-01</b>
					REV <b>30</b>



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

**CERTIFICATION DATA SHEET**

**CATALOG #:** 110054.00

**CONN. DIAGRAM:** 005003.01

**OUTLINE:** 032510-E56

**MOUNTING:** F1 ONLY

**WINDING #:** C634256 DR 3 J

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	0.75	1800	1725	E56H	DP	K	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	12.8/7.0-6.4	ACROSS THE LINE	CONTINUOUS	B4	1.0	40

FULL LOAD EFF:	75	3/4 LOAD EFF:	72.8	1/2 LOAD EFF:	69.7	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	68	3/4 LOAD PF:	58	1/2 LOAD PF:	45.6	70	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3 LB-FT	66 / 33	9 LB-FT 300 %	6.9 LB-FT 230 %	52

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0.1 LB-FT^2	0.1 LB-FT^2	10 SEC.		35 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	BALL	POLYREX EM	STANDARD 56	VERIFY	VERIFY	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	AUTOMATIC	NONE	NONE	NONE	FALSE	NONE VOLTS

* N O T E S *	<b>INVERTER TORQUE:</b> NONE
	<b>INV. HP SPEED RANGE:</b> NONE
	<b>ENCODER:</b> NONE NONE NONE NONE NONE PPR
	<b>BRAKE:</b> NONE NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz



**LEESON ELECTRIC CORPORATION**  
 TYPICAL PERFORMANCE CURVE for AC MOTOR

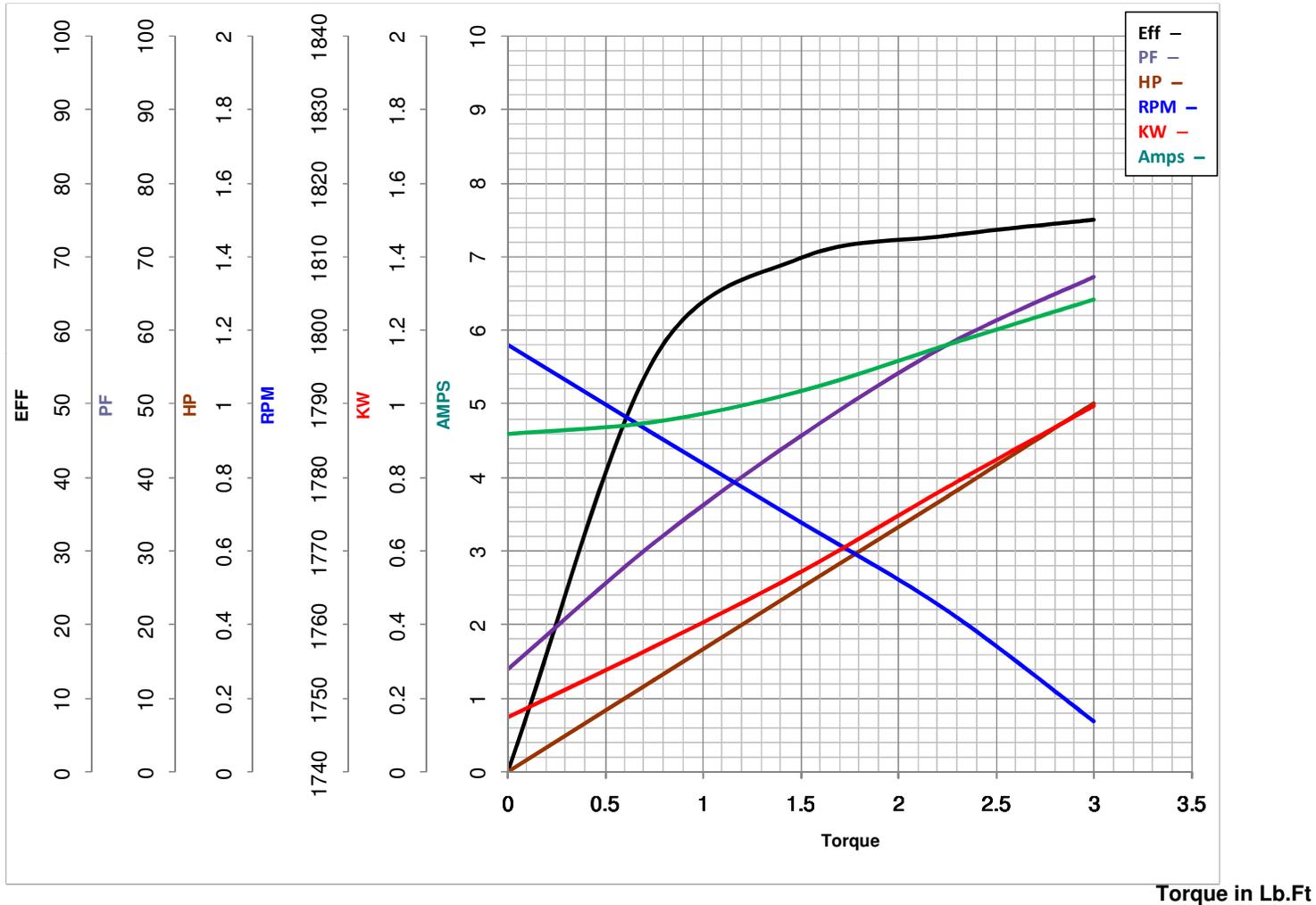
Curve at 230 Volts HP 1.00 PHASE 1  
60 HZ  
1 HP VOLTS 115/208-230

Model No 110054.00

Catalog No 110054.00

HZ 60

RPM 1725



Torque in Lb.Ft

FL TORQUE 3 Lb.Ft  
 BD TORQUE 6.9 Lb.Ft  
 LR TORQUE 9 Lb.Ft

FL AMPS 12.8/6.4  
 PU TORQUE 6.7 Lb.Ft  
 LR AMPS 33

WINDING C634256-3

Date 3/13/2018