

PRODUCT INFORMATION PACKET



Model No: 140816.00

Catalog No: 140816.00

General Purpose Farm Duty Motor, 10 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, 215TVZ Frame, DPAO



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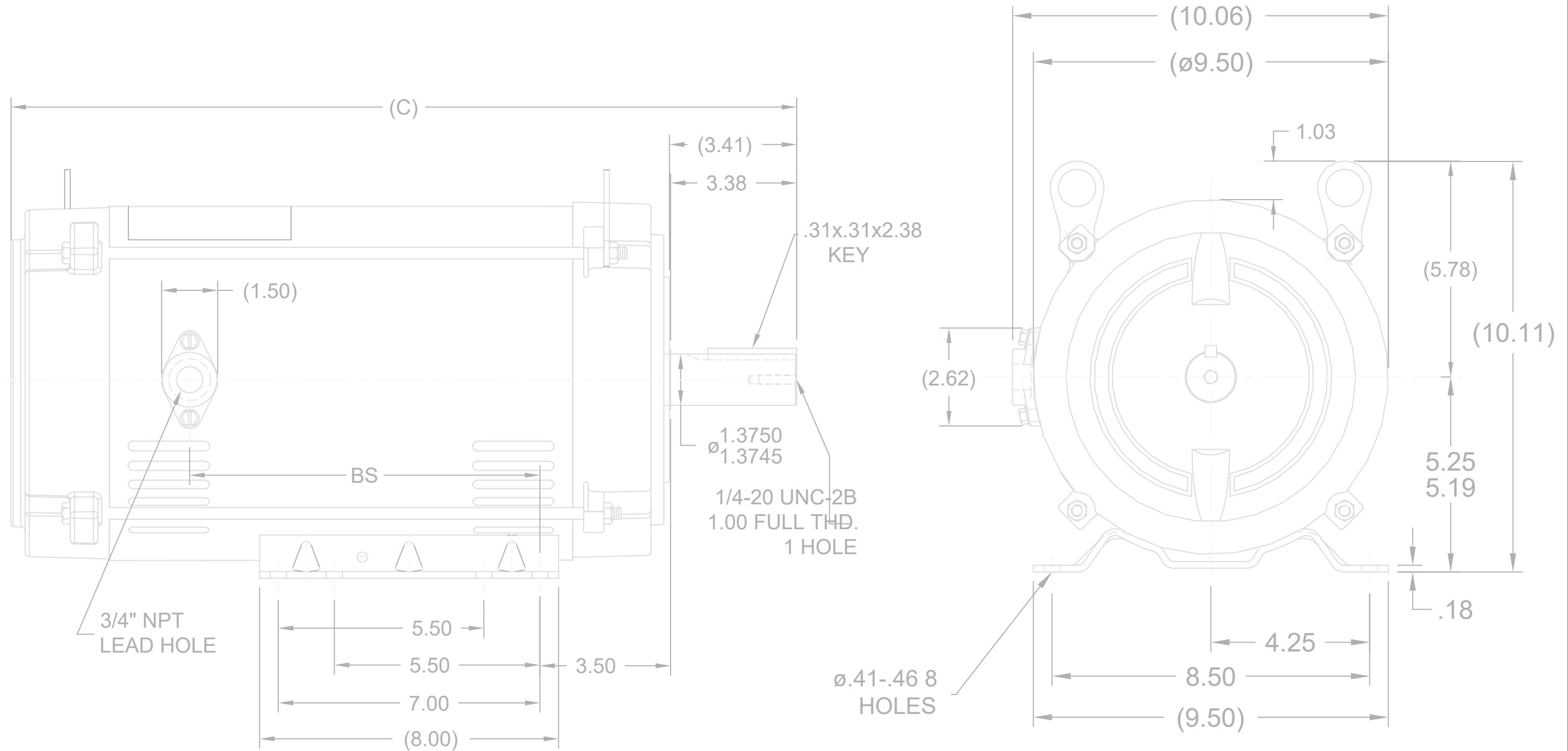


Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	230 V
Current	44.0 A	Speed	1730 rpm
Service Factor	1.15	Phase	1
Efficiency	82.5 %	Power Factor	89
Duty	Continuous	Insulation Class	H
Design Code	L	KVA Code	G
Frame	215TVZ	Enclosure	Drip Proof Air Over
Thermal Protection	No Protection	Ambient Temperature	80 °C
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	N	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Shaft Up	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Overall Length	20.65 in
Frame Length	12.40 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	SS89636LE-1240	Connection Drawing	EE9048MF-LE



NOTES:

1. NAMEPLATE TO BE READ FROM LEAD EXIT SIDE OF MOTOR.

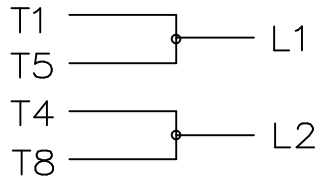
1240	215T	20.65	9.37
DASH	FRAME	C	BS

				TOLERANCES UNLESS SPECIFIED		LEESON	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN	
				DEC.	INCHES			KVN	06/18/2009
				.X	± .1			CHK	SVL 06/18/2009
03	UPDATED PER CR-0000175	SD	12/16/2020	SR	.XX	± .03	TITLE	APPD	SVL 06/18/2009
02	BS - DIMENSION REVISED	UD	08/26/13	ST	.XXX	± .005	OUTLINE - SINGLE PHASE	SCALE	1=4
01	ENDBELLS CHANGED TO CAST IRON	GR	03/28/13	ST	.XXXX	± .0005	210T FR. - BB - SS - DRIP PROOF	REF	SS87033
NO.	REVISION	BY & DATE	CHK	ANG	± 7'30"	FINISH		FMF	MU91424
			RFP			CAD FILE	SS89636LE	PREV	PR0901190L-LE

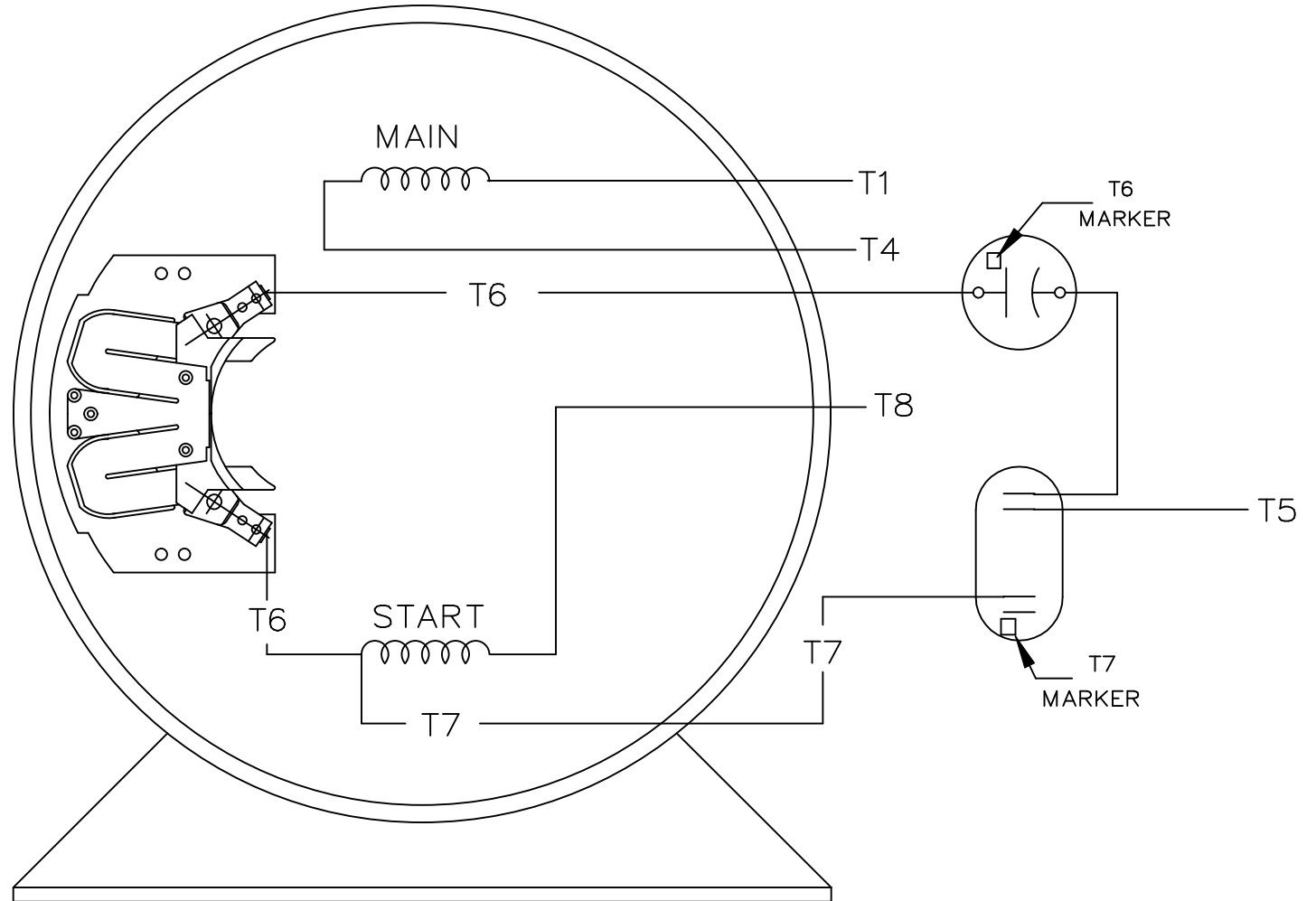
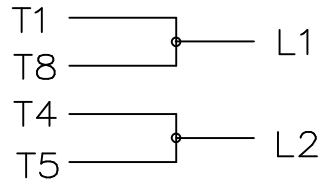
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RFP	CAD FILE	SS89636LE	SIZE	DRAWING NO.	PAGE	OF	REV.
DIST			A	SS89636LE			03

C.W. ROTATION




C.C.W. ROTATION



SINGLE VOLTAGE
CAPACITOR START
CAPACITOR RUN
REVERSIBLE

VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN RJM 07-25-2002		
				DEC.	INCHES		CHK		
				.X	±.1		APPD		
				.XX	±.02		SCALE 1=1		
				.XXX	±.005		REF		
1	NEW DRAWING - DES/DEV	RJM		.XXXX	±.0005	MAT'L.	FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV		
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 THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	CAD FILE EE9048MF-LE		SIZE	DRAWING NO. PAGE OF	REV.
				DIST LB			A	EE9048MF-LE	1



CERTIFICATION DATA SHEET

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

CATALOG #: 140816.00

CONN. DIAGRAM: A-EE9048MF-LE

OUTLINE: A-SS89636LE-1240

MOUNTING: F1 ONLY

WINDING #: BK104121 R2 2

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10	7.50	1800	1730	215TVZ	DPAO	G	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	230	44	ACROSS THE LINE	CONTINUOUS	H3	1.15	80

FULL LOAD EFF:	82.5	3/4 LOAD EFF:	84.1	1/2 LOAD EFF:	83.2	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	89	3/4 LOAD PF:	86.7	1/2 LOAD PF:	80	80		CAP START CAP RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
30.1 LB-FT	260	47.4 LB-FT 0 %	67.5 LB-FT - %	67.32

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 LB-FT^2	0 LB-FT^2	0 SEC.	0	150 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	SHAFT UP	FALSE	NONE	FALSE	NONE	GRAY - LEESON (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	DC 44M	SGL SPL EXT	SPECIAL	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6307	6206						

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

*
N
O
T
E
S

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

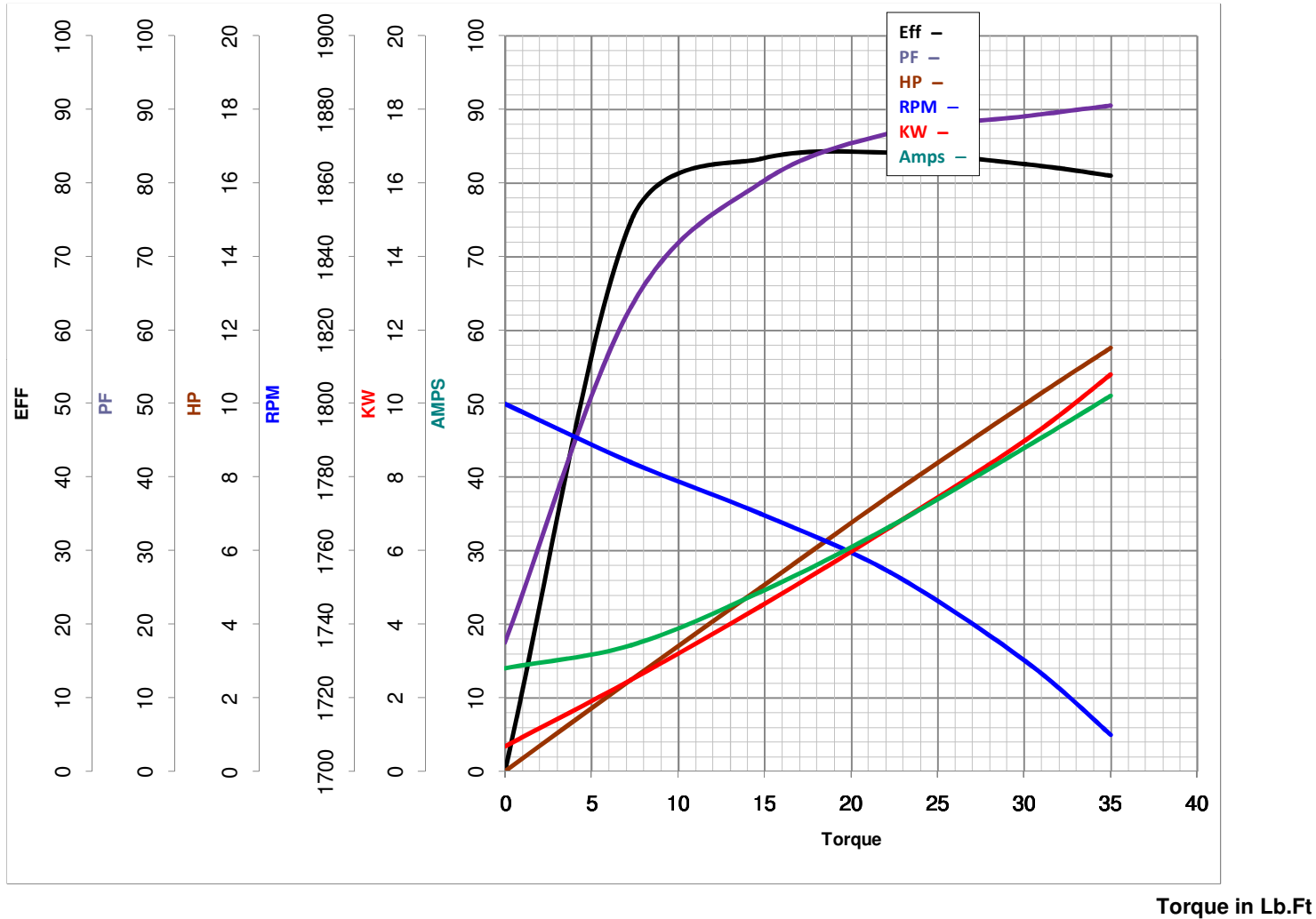


LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 140816.00

Catalog No 140816.00

Curve at 230 Volts HP 10.00 PHASE 1
60 HZ
10 HP VOLTS 230
 HZ 60 RPM 1730



FL TORQUE 30.1 Lb.Ft
 BD TORQUE 67.5 Lb.Ft
 LR TORQUE 47.4 Lb.Ft

FL AMPS 44
 PU TORQUE 47.0 Lb.Ft
 LR AMPS 260

WINDING BK104121-2

Date 4/10/2018