

PRODUCT INFORMATION PACKET

marathon®

Model No: 140130.00

Catalog No: 140130.00

Agricultural Motor, 7.50 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, 215T Frame, TEFC



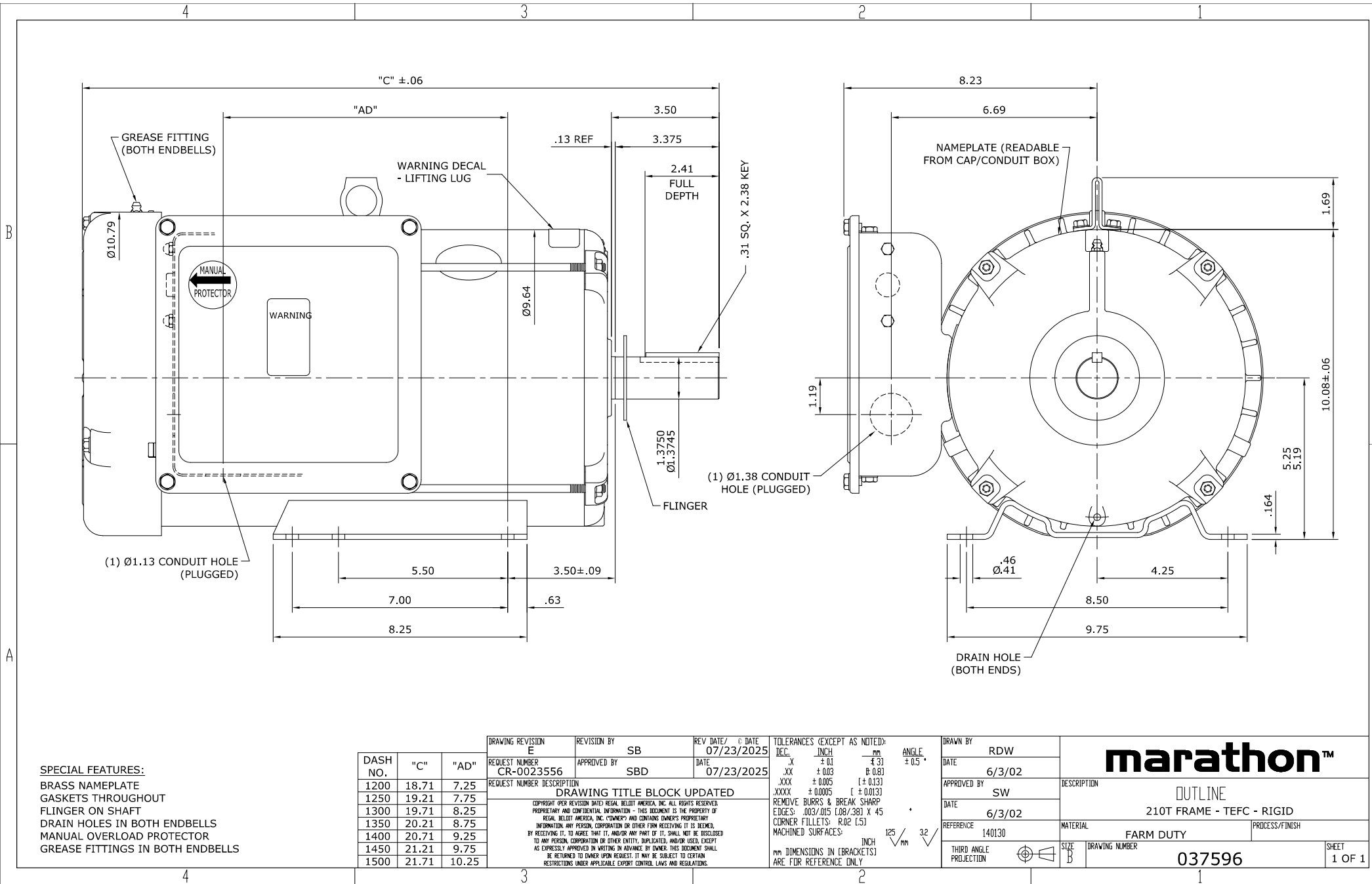
Nameplate Specifications

Phase	1	Output HP	7.50 Hp
Output KW	5.6 kW	Voltage	230 V
Speed	1740 r/min	Service Factor	1.15
Frame	215T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Efficiency	82.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	33.6 A	Power Factor	88
Duty	Continuous	Insulation Class	F
Design Code	NO DESIGN CODE	KVA Code	H
Drive End Bearing Size	6207	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

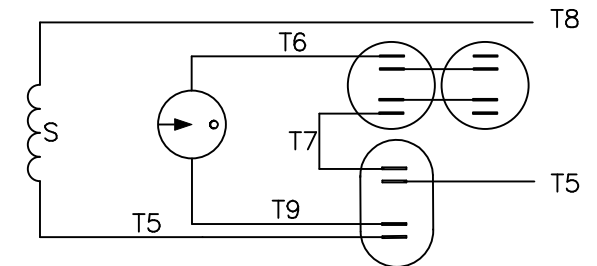
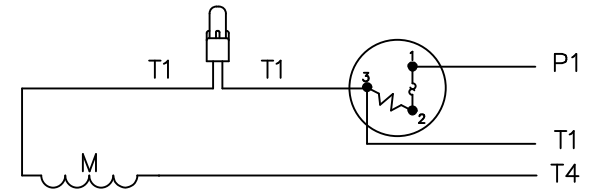
Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	.164 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	20.21 in
Frame Length	13.50 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005080.17	Outline Drawing	037596-1350

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LINE LEADS



ROTATION FACING LEAD END	L1	L2	JOIN & INSULATE
C.C.W.	P1	T4,T5	T1,T8
C.W.	P1	T4,T8	T1,T5

CAUTION:
LEAD WIRE INSULATION TO
EXTEND MIN. OF 1/4" INTO
CONNECTOR INSULATION

VIEW FROM OUTSIDE OF
MOTOR AT SWITCH END

TOLERANCES
UNLESS SPECIFIED

DEC. INCHES

.X ±.1

.XX ±.01

.XXX ±.005

.XXXX ±.0005

ANG ±1/2"

LEESON

ELECTRIC MOTORS
GEARMOTORS
AND DRIVES

DRAWN RDW 9/17/02

CHK

APPD

SCALE 1=2

REF 005080-16

FMF 140203

PREV

TITLE
EXTERNAL WIRING DIAGRAM
TYPE "K" WITH PROTECTOR

MAT'L. DECAL 004015

FINISH

NO. REVISION BY & DATE

CHK

RFP

DIST

9/17/02

CAD FILE

00508017

SIZE

A

DRAWING NO.

005080-17

REV.

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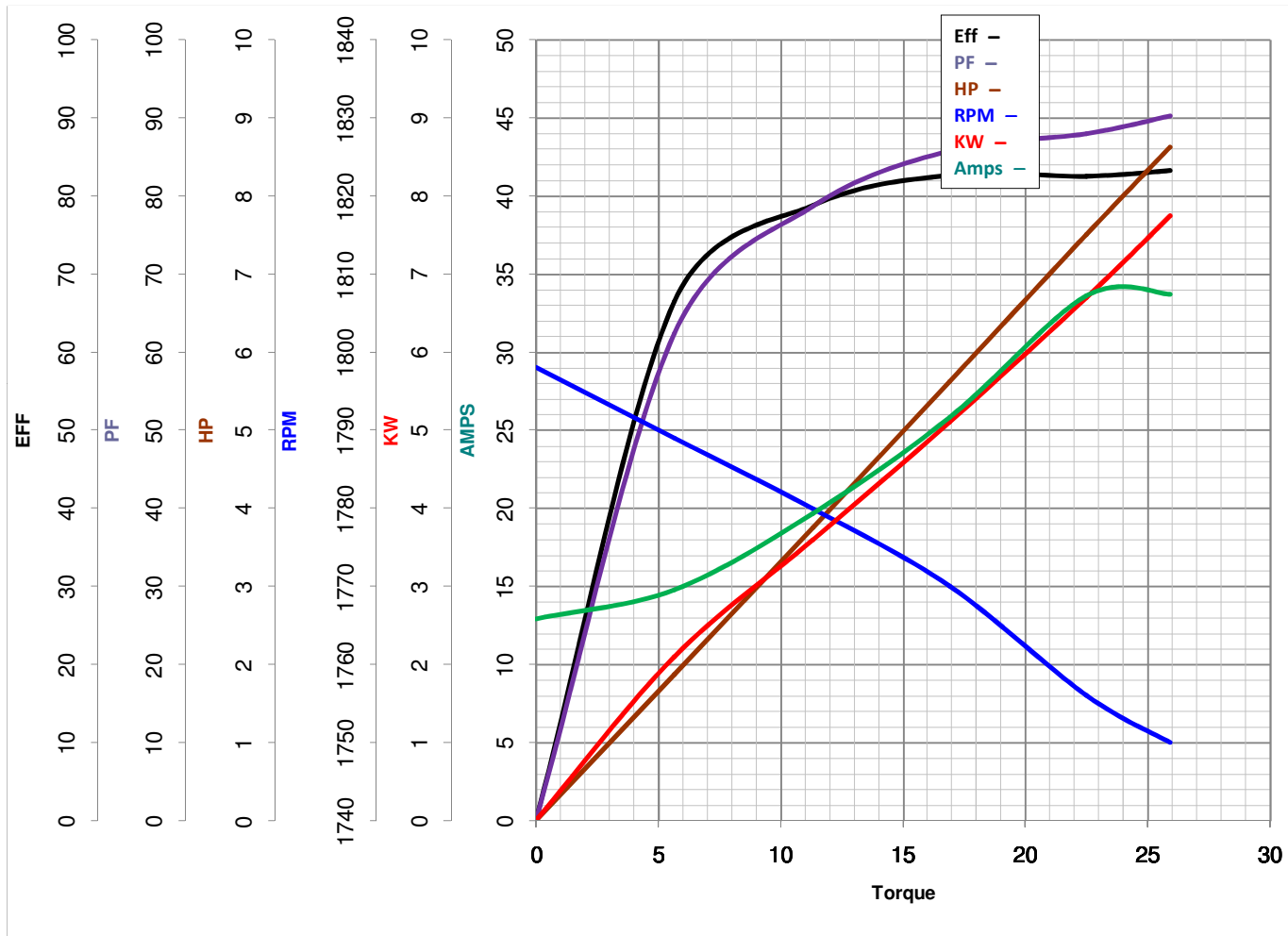
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LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

 Curve at 230
60
7.5

 Volts
 HZ
 HP

 HP 7.50
 VOLTS 230
PHASE 1HZ 60RPM 1740

Torque in Lb.Ft

 FL TORQUE 22.5 Lb.Ft
 BD TORQUE 61.2 Lb.Ft
 LR TORQUE 88.5 Lb.Ft

 FL AMPS 33.6
 PU TORQUE 60.3 Lb.Ft
 LR AMPS 252

WINDING K9417-2

Date 4/23/2018