

PRODUCT INFORMATION PACKET

Model No: 140203.00

Catalog No: 140203.00

Agricultural Motor, 5 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, 215T Frame, TEFC



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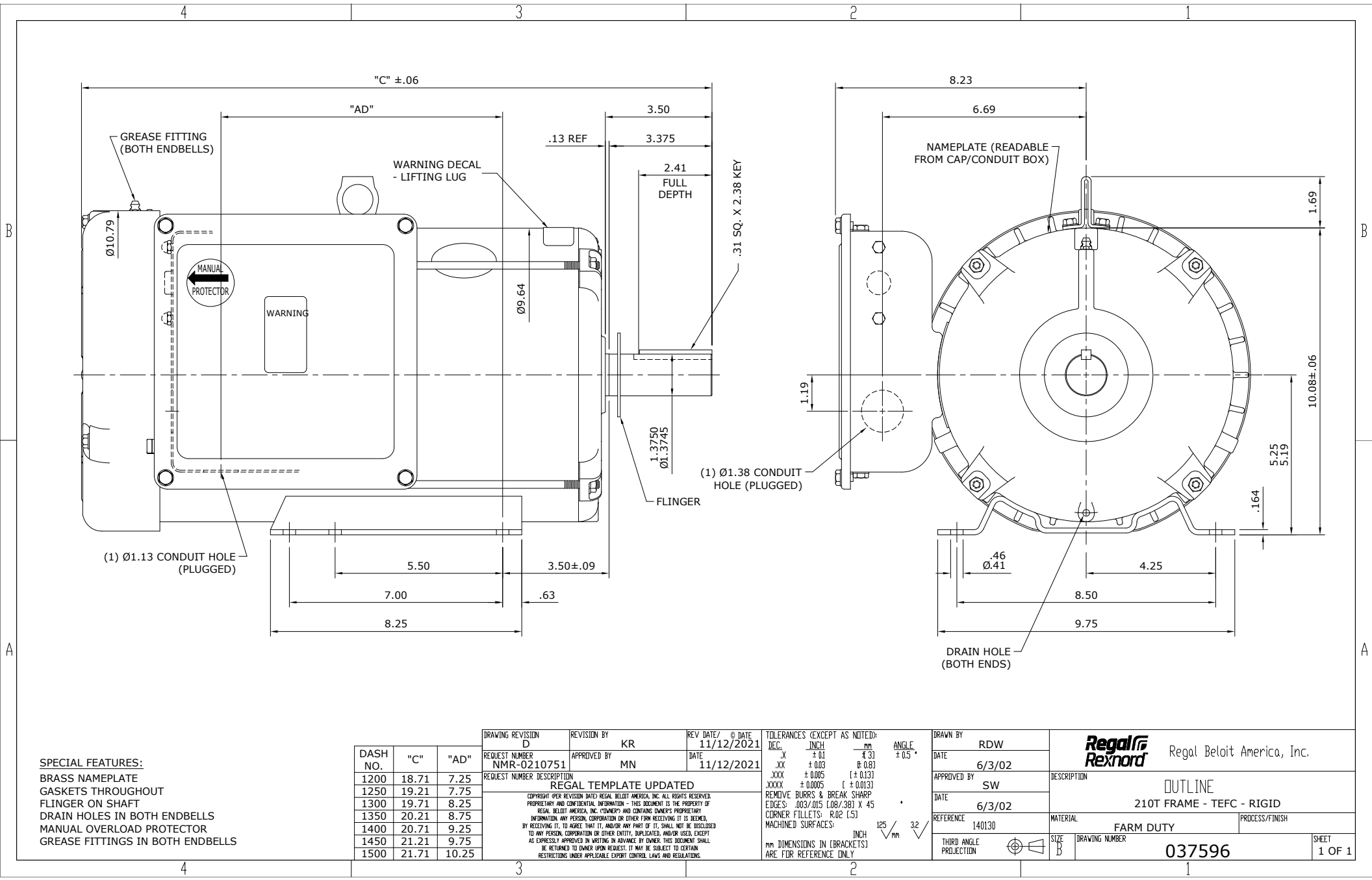
Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	230 V
Current	24.0 A	Speed	1740 rpm
Service Factor	1.15	Phase	1
Efficiency	82.5 %	Power Factor	70
Duty	Continuous	Insulation Class	F
Design Code	NO DESIGN CODE	KVA Code	K
Frame	215T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Ambient Temperature	40 °C
Drive End Bearing Size	6207	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

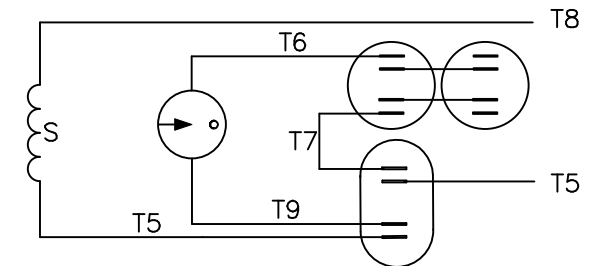
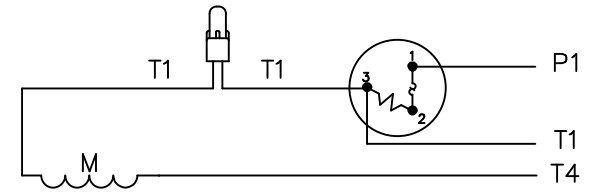
Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	.221 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	18.71 in
Frame Length	12.00 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005080.17	Outline Drawing	037596-1200

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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

VIEW FROM OUTSIDE OF
MOTOR AT SWITCH ENDCAUTION:
LEAD WIRE INSULATION TO
EXTEND MIN. OF 1/4" INTO
CONNECTOR INSULATIONTOLERANCES
UNLESS SPECIFIED

DEC. INCHES

.X ±.1

.XX ±.01

.XXX ±.005

.XXXX ±.0005

ANG ±1/2"

LEESONELECTRIC 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

9/17/02

CAD FILE

00508017

SIZE

A

DRAWING NO.

005080-17

REV.

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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005080.17
OUTLINE: 037596-1200
WINDING #: K9419 FR 2 A

CATALOG #: 140203.00
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.70	1800	1740	215T	TEFC	K	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	230	24	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	82.5	3/4 LOAD EFF:	79.8	1/2 LOAD EFF:	74.2	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	70	3/4 LOAD PF:	78.4	1/2 LOAD PF:	69.1	80	CAP START CAP RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15 LB-FT	185	60 LB-FT 400 %	43.5 LB-FT 290 %	69

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.801 LB-FT^2	0.8 LB-FT^2	0 SEC.	0	122 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	RED - LEESON FARM DUTY

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL						
6207	6206	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL

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

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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

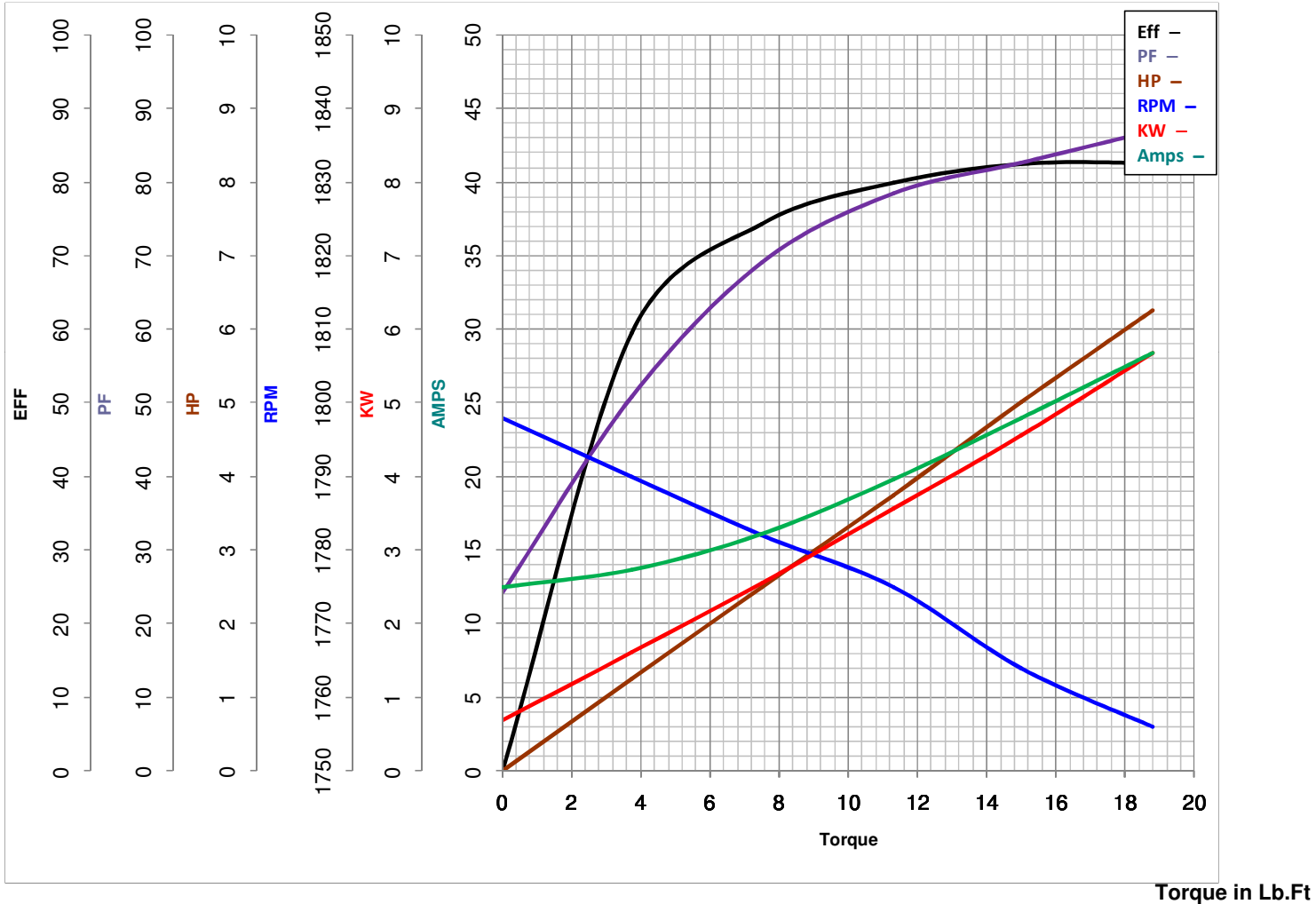


LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 140203.00Catalog No 140203.00

Curve at

230
60
5Volts
HZ
HPHP 5.00VOLTS 230HZ 60PHASE 1RPM 1740

FL TORQUE 15 Lb.Ft
 BD TORQUE 43.5 Lb.Ft
 LR TORQUE 60 Lb.Ft

WINDING K9419-2

FL AMPS 24
 PU TORQUE 38.0 Lb.Ft
 LR AMPS 185

Date 3/27/2018