

PRODUCT INFORMATION PACKET



Model No: 140705.00

Catalog No: 140705.00

Agricultural Motor, 10 HP, 1 Ph, 60 Hz, 230 V, 1800 & 1800 RPM, 215TC Frame, TEFC



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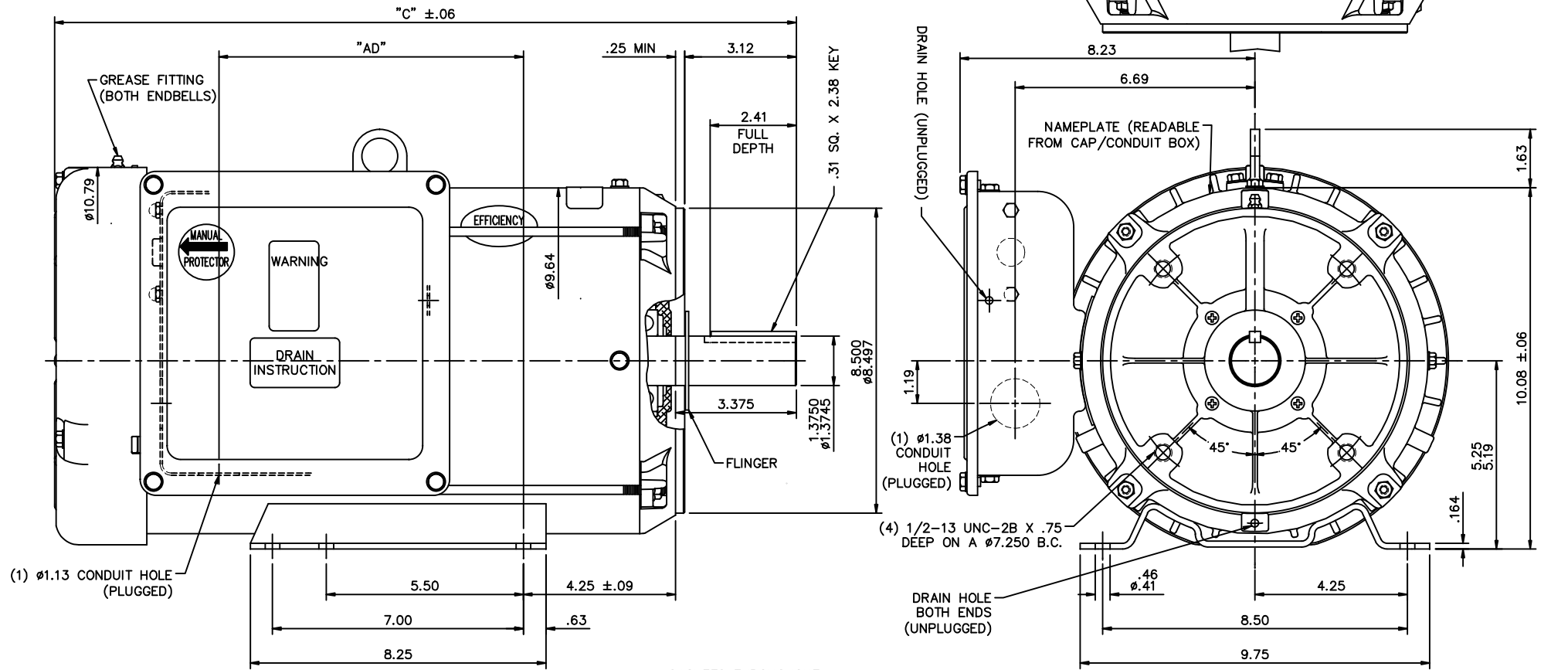


Nameplate Specifications

Phase	1	Output HP	10 Hp
Output KW	7.5 kW	Voltage	230 V
Speed	1740 r/min	Service Factor	1.15
Frame	215TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Efficiency	86.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	40.0 A	Power Factor	95
Duty	Continuous	Insulation Class	F
Design Code	NO DESIGN CODE	KVA Code	G
Drive End Bearing Size	6207	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	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	.118 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	20.71 in
Frame Length	14.00 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	037604-1400	Connection Drawing	005461.02




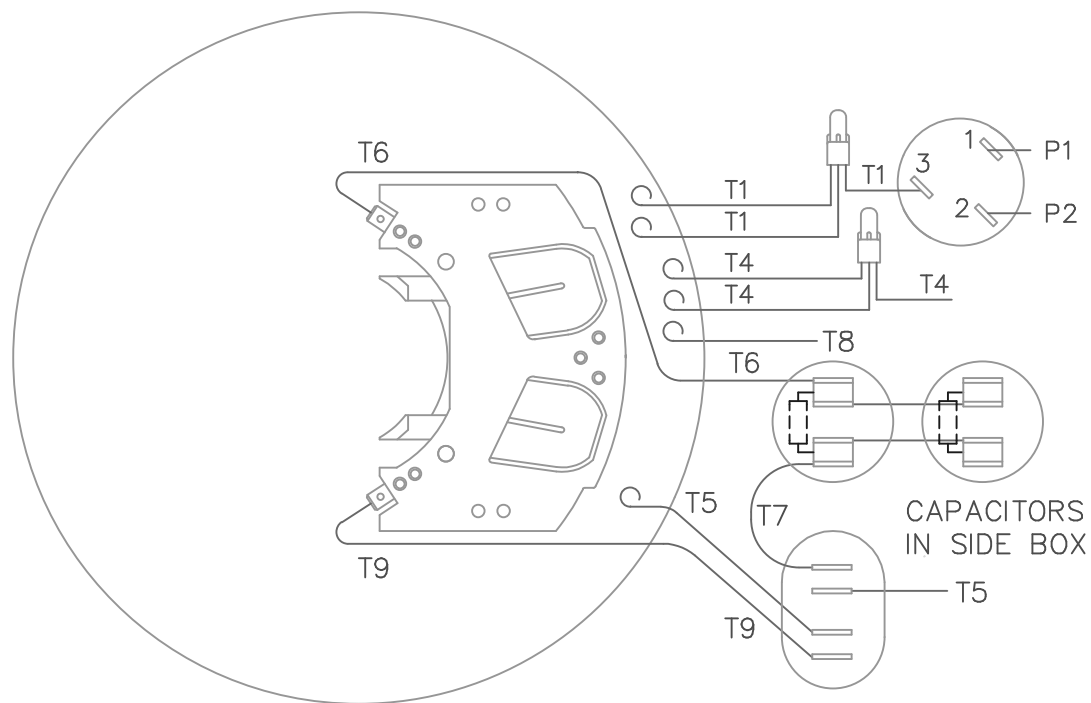
GASKETS THROUGHOUT
 MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
 MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.
 PERMISSIBLE SHAFT RUNOUT TO BE .002 T.I.R.
 ALIGN BASE TO C-FACE MOUNTING HOLES WITHIN $\pm 1/16$ "

SPECIAL FEATURES:

- 1) GASKETS THROUGHOUT
- 2) FLINGER AT SHAFT END OF MOTOR
- 3) STAINLESS STEEL HARDWARE & FAN GUARD
- 4) EPOXY PAINT
- 5) PLUGGED DRAIN HOLES IN FRAME AT 3:00, 9:00, & 12:00

DASH NO.	"C"	"AD"
1200	18.71	6.50
1250	19.21	7.00
1300	19.71	7.50
1350	20.21	8.00
1400	20.71	8.50
1450	21.21	9.00
1500	21.71	9.50

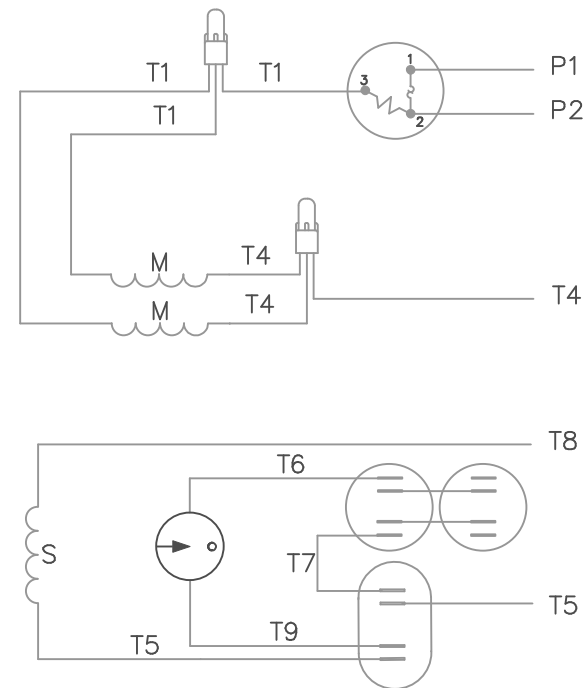
			TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN RDW 1/23/03												
			DEC. INCHES				CHK												
			.X ±.1				APPD SW 1/23/03												
			.XX ±.03				SCALE 3=8												
			.XXX ±.005				REF												
			.XXX ±.0005		MAT'L CATFISH		FMF 140705												
NO.			REVISION		BY & DATE		CHK		ANG ±1/2"		FINISH		SIZE		DRAWING NO.		REV.		
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										DIST NLV									



VIEW FROM OUTSIDE OF
MOTOR AT SWITCH END

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

LINE LEADS



ROTATION
FACING
LEAD END

L1

L2

JOIN &
INSULATE

C.C.W.

P1

T4, T5

P2, T8

C.W.

P1

T4, T8

P2, T5

TOLERANCES
UNLESS SPECIFIED

DEC. INCHES

.X ±.1

.XX ±.01

.XXX ±.005

.XXXX ±.0005

ANG ±1/2°



ELECTRIC MOTORS
GEARMOTORS
AND DRIVES

DRAWN RDW 10/25/02

CHK

APPD

SCALE 1=2

REF 005461-01

FMF 140706

PREV

TITLE
EXTERNAL WIRING DIAGRAM
TYPE "K" WITH PROTECTOR

MAT'L. DECAL 080135

FINISH

NO.

REVISION

BY & DATE

CHK

RFP 10/25/02

DIST

CAD FILE

00546102

SIZE

DRAWING NO.

A

005461-02

REV.

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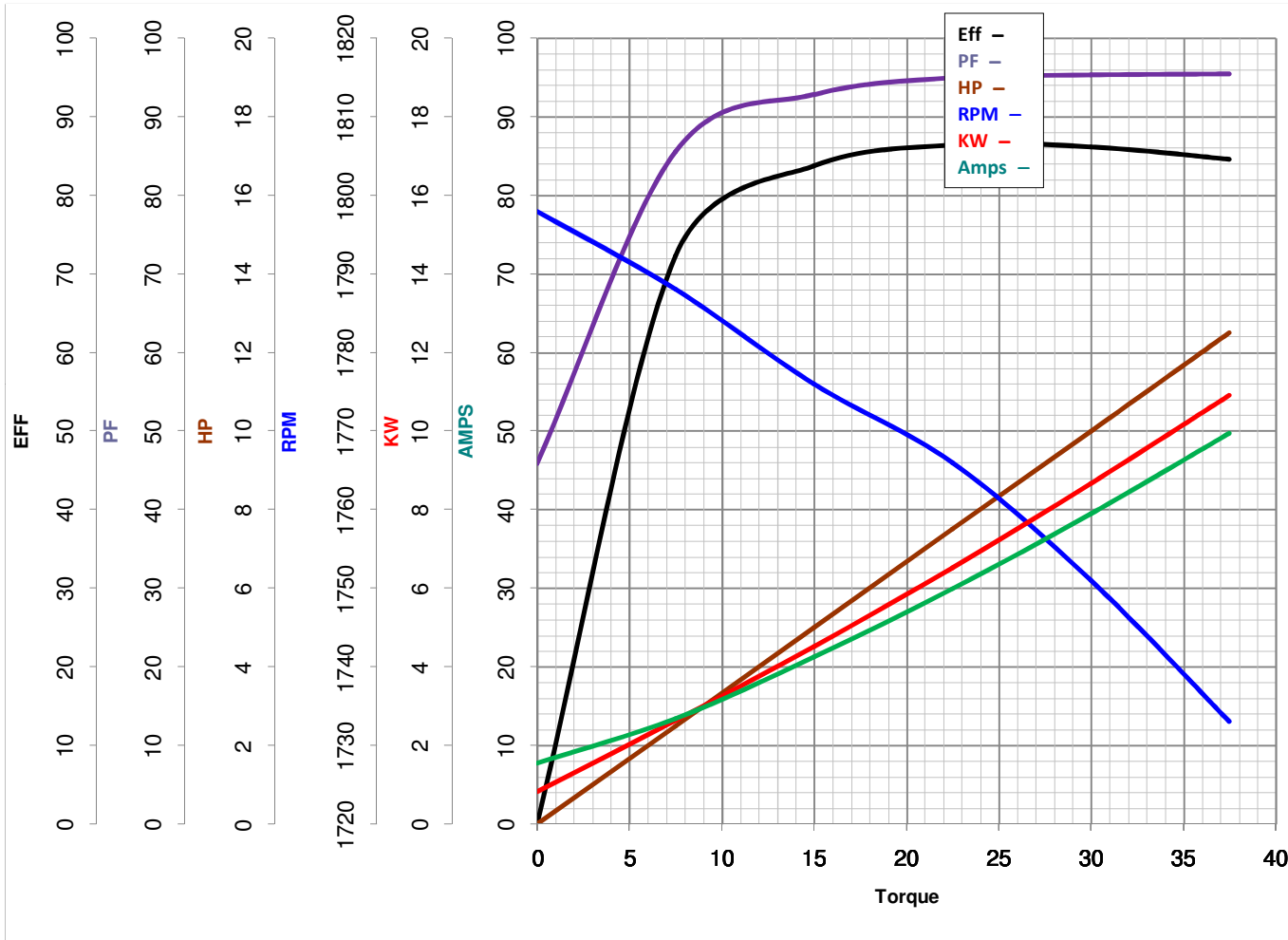


LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 140705.00Catalog No 140705.00

Curve at

230
60
10Volts
HZ
HPHP 10.00VOLTS 230HZ 60PHASE 1RPM 1740

Torque in Lb.Ft

FL TORQUE 30 Lb.Ft
 BD TORQUE 69.5 Lb.Ft
 LR TORQUE 90.2 Lb.Ft

FL AMPS 40
 PU TORQUE 61.5 Lb.Ft
 LR AMPS 264

WINDING K9425-2

Date 4/23/2018

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 140705.00

(Model No. may contain prefix and/or suffix characters)

Catalog No : 140705.00

Rework No : N/A

Directives :

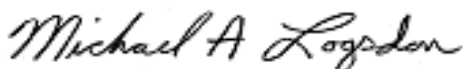
Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22