

PRODUCT INFORMATION PACKET

Model No: 140706.00

Catalog No: 140706.00

10 HP Agricultural Motor, 1 phase, 1800 RPM, 230 V, 215T Frame, TEFC



Regal and are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2022 Regal Rexnord Corporation, All Rights Reserved. MC017097E

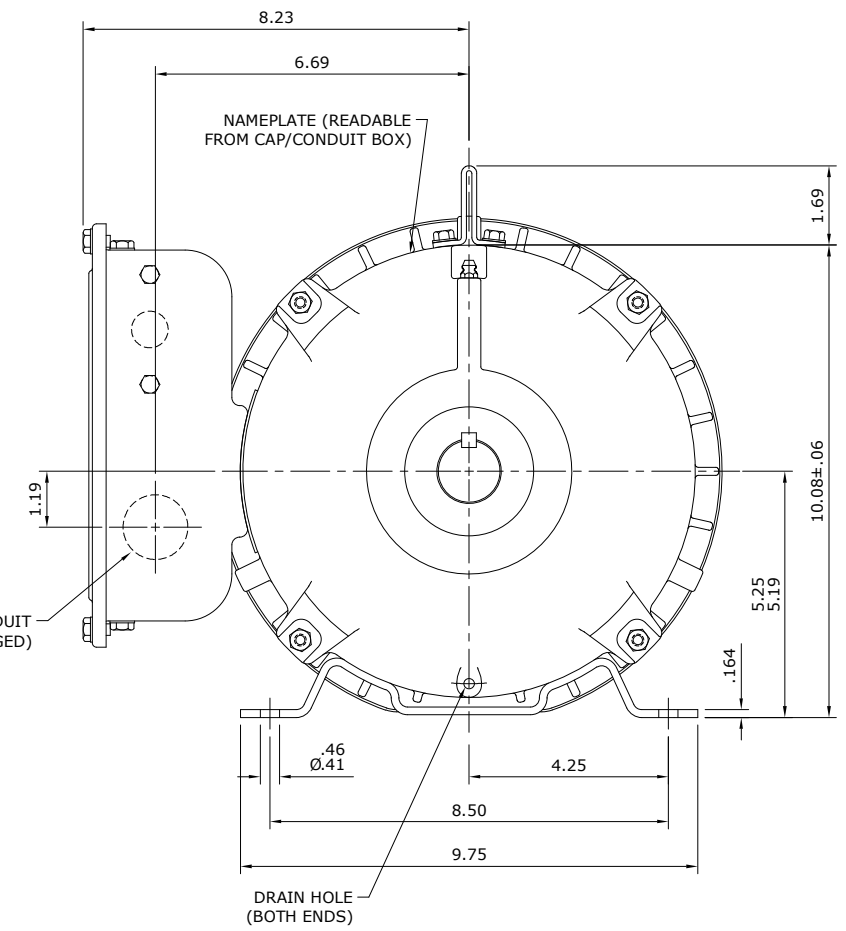
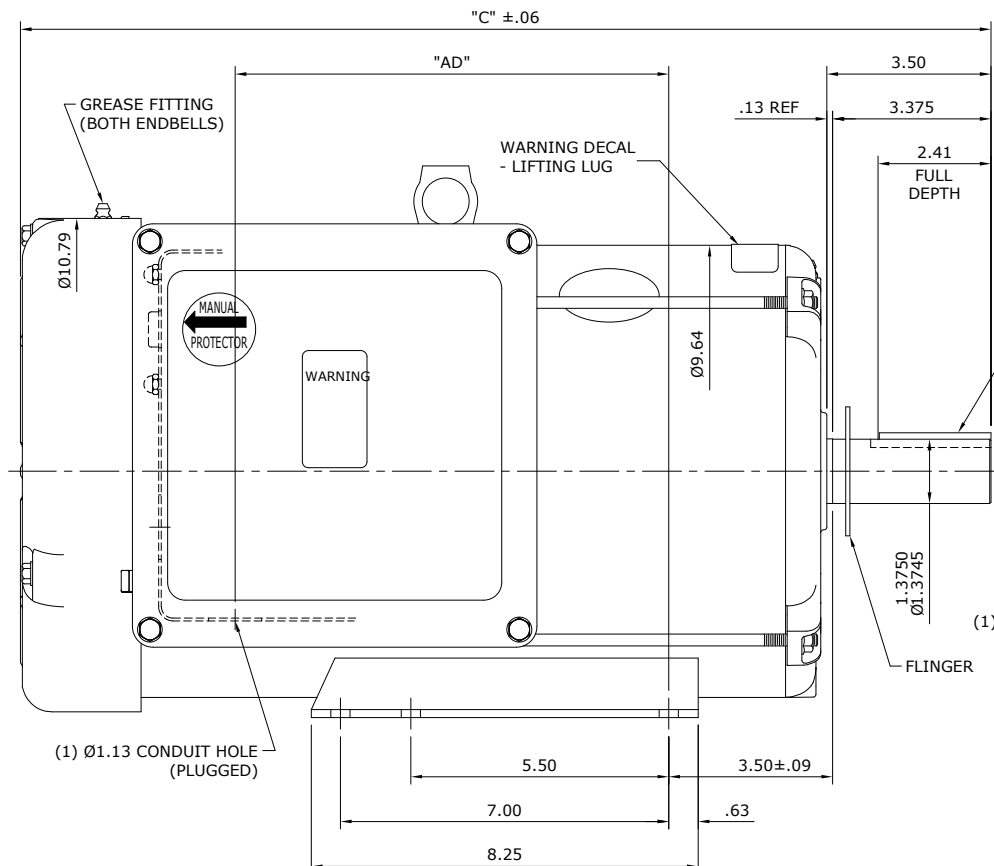
Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	230 V
Current	40.0 A	Speed	1740 rpm
Service Factor	1.15	Phase	1
Efficiency	86.5 %	Power Factor	95
Duty	Continuous	Insulation Class	F
Design Code	NO DESIGN CODE	KVA Code	G
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	.118 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	20.71 in
Frame Length	14.00 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005461.02	Outline Drawing	037596-1400

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:06/08/2022



SPECIAL FEATURES:
 BRASS NAMEPLATE
 GASKETS THROUGHOUT
 FLINGER ON SHAFT
 DRAIN HOLES IN BOTH ENDBELLS
 MANUAL OVERLOAD PROTECTOR
 GREASE FITTINGS IN BOTH ENDBELLS

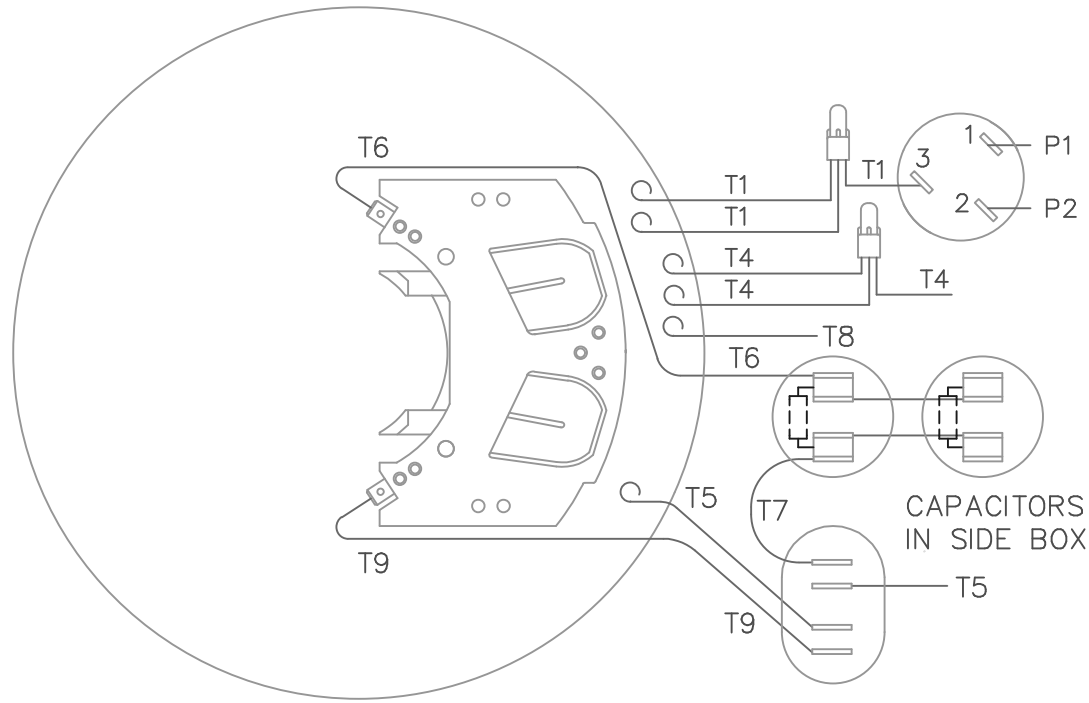
DASH NO.	"C"	"AD"
1200	18.71	7.25
1250	19.21	7.75
1300	19.71	8.25
1350	20.21	8.75
1400	20.71	9.25
1450	21.21	9.75
1500	21.71	10.25

DRAWING REVISION	REVISION BY	REV DATE / @ DATE
D	KR	11/12/2021
REQUEST NUMBER	APPROVED BY	DATE
NMR-0210751	MN	11/12/2021
REQUEST NUMBER DESCRIPTION		
REGAL TEMPLATE UPDATED		
<small>COPYRIGHT (PER REVISION DATED) REGAL BELLOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELLOIT AMERICA, INC. (OWNER) AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</small>		

TOLERANCES (EXCEPT AS NOTED):
 DEC. INCH mm ANGLE
 .X ±.01 (#.3) ±.5°
 .XX ±.003 (#.08)
 .XXX ±.0005 (# ±.013)
 .XXXX ±.00005 (# ±.0013)
 REMOVE BURRS & BREAK SHARP EDGES: .003/.015 (.08/.38) X 45°
 CORNER FILLETS: R.02 (.5)
 MACHINED SURFACES: 125 √ mm 32

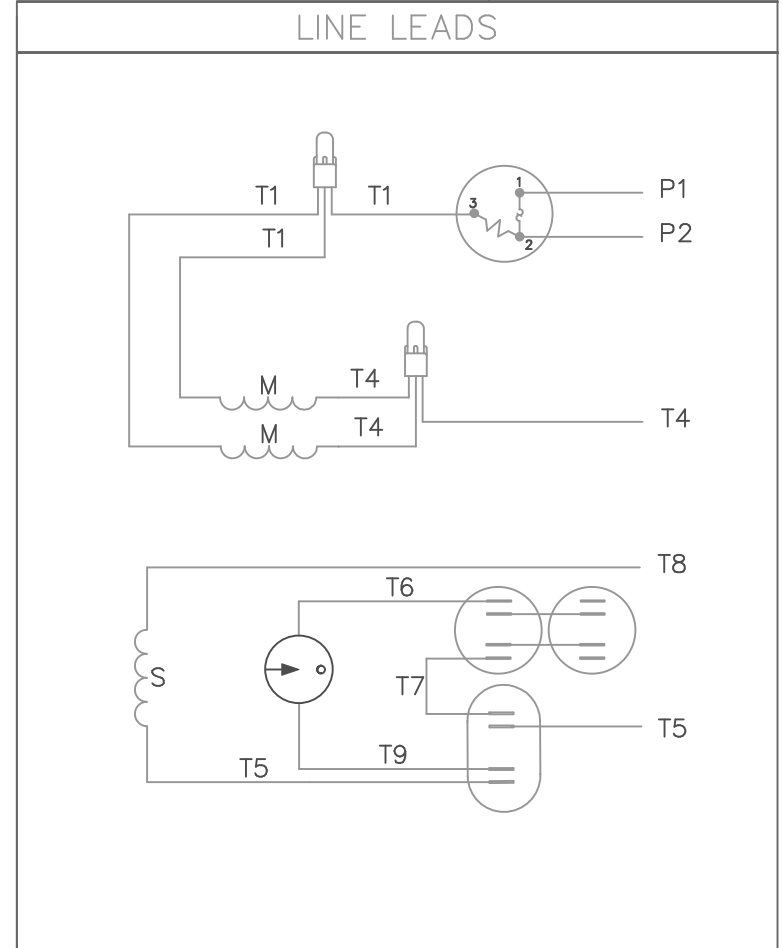
DRAWN BY	RDW
DATE	6/3/02
APPROVED BY	SW
DATE	6/3/02
REFERENCE	140130
THIRD ANGLE PROJECTION	

	Regal Beloit America, Inc.	
	DESCRIPTION	
OUTLINE		
210T FRAME - TEFC - RIGID		
MATERIAL	FARM DUTY	PROCESS/FINISH
SIZE	DRAWING NUMBER	SHEET
B	037596	1 OF 1




VIEW FROM OUTSIDE OF MOTOR AT SWITCH END

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



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		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN RDW 10/25/02			
				DEC.	INCHES		CHK			
				.X	±.1		APPD			
				.XX	±.01		SCALE 1=2			
				.XXX	±.005		REF 005461-01			
				.XXXX	±.0005	FMF 140706				
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	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	10/25/02	CAD FILE 00546102		SIZE A	DRAWING NO. 005461-02	REV.
				DIST						



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005461.02

CATALOG #: 140706.00

OUTLINE: 037596-1400

MOUNTING: F1 ONLY

WINDING #: K9425 FR 2 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10	7.50	1800	1740	215T	TEFC	G	NO DESIGN CODE

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

FULL LOAD EFF:	86.5	3/4 LOAD EFF:	86.4	1/2 LOAD EFF:	83.7	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	95	3/4 LOAD PF:	94.9	1/2 LOAD PF:	92.8	84		CAP START CAP RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
30 LB-FT	264	90.2 LB-FT 301 %	69.5 LB-FT 232 %	95

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	1.157 LB-FT^2	1.2 LB-FT^2	0 SEC.	0	155 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	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6207	6206						

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

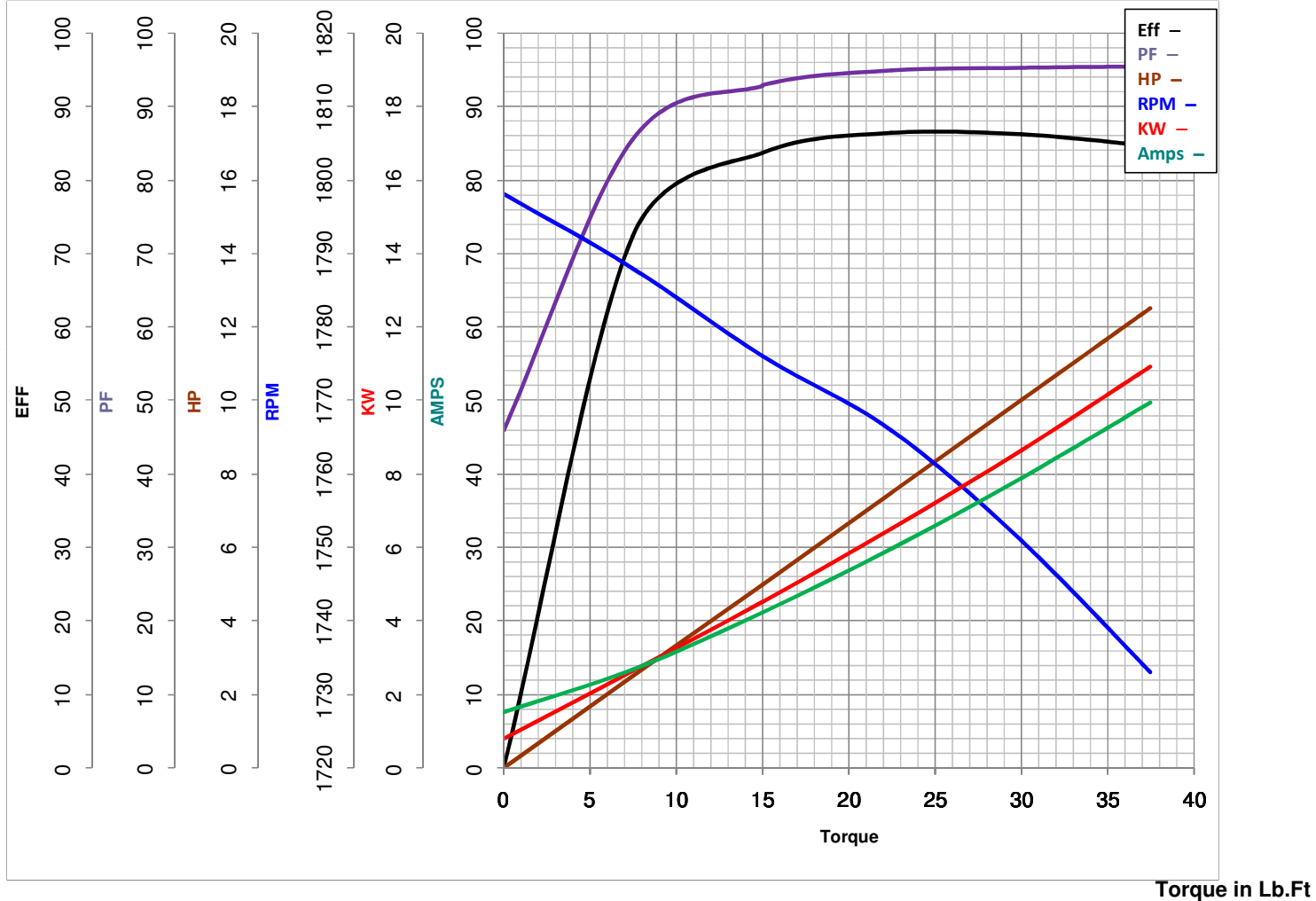


LEESON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 140706.00

Catalog No 140706.00

Curve at 230 Volts HP 10.00 PHASE 1
60 HZ
10 HP VOLTS 230
 HZ 60 RPM 1740



FL TORQUE	<u>30</u>	Lb.Ft	FL AMPS	<u>40</u>	
BD TORQUE	<u>69.5</u>	Lb.Ft	PU TORQUE	<u>61.5</u>	Lb.Ft
LR TORQUE	<u>90.2</u>	Lb.Ft	LR AMPS	<u>264</u>	
WINDING	K9425-2		Date	4/12/2018	