

# PRODUCT INFORMATION PACKET



Model No: 140414.00  
Catalog No: 140414.00  
Agricultural Motor, 10 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, 215T Frame, TEFC



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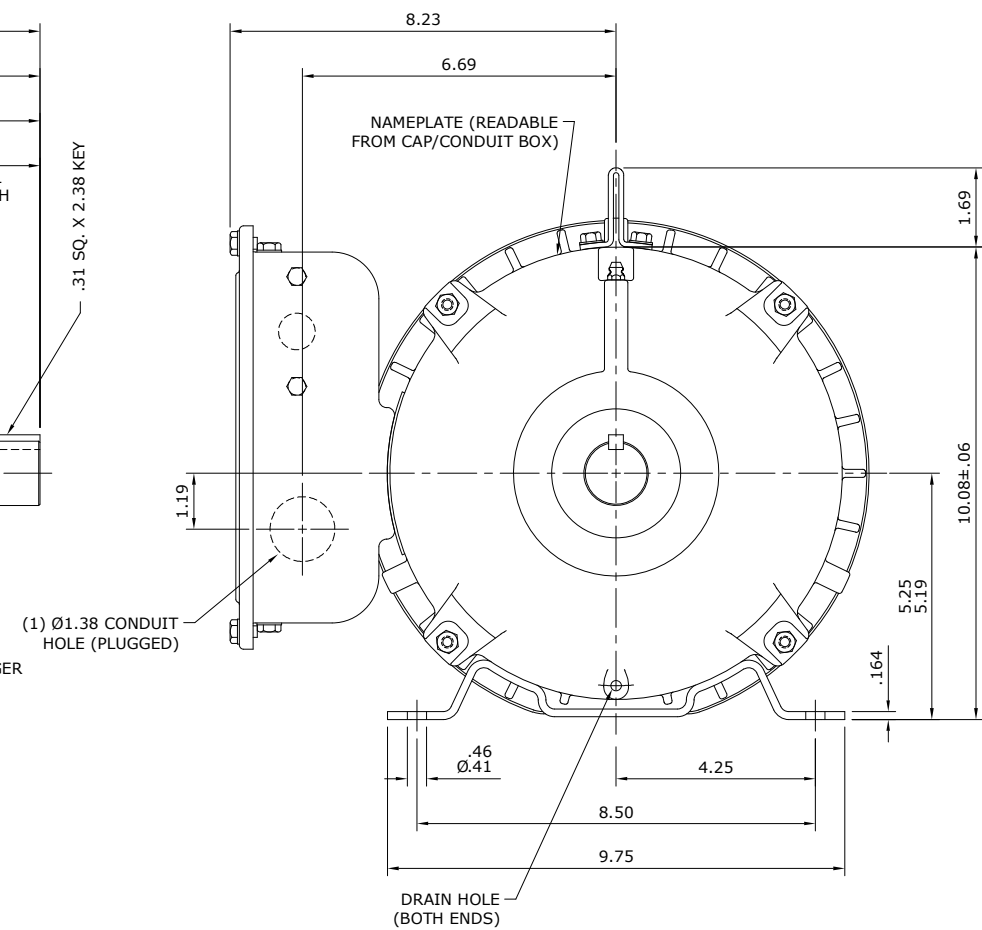
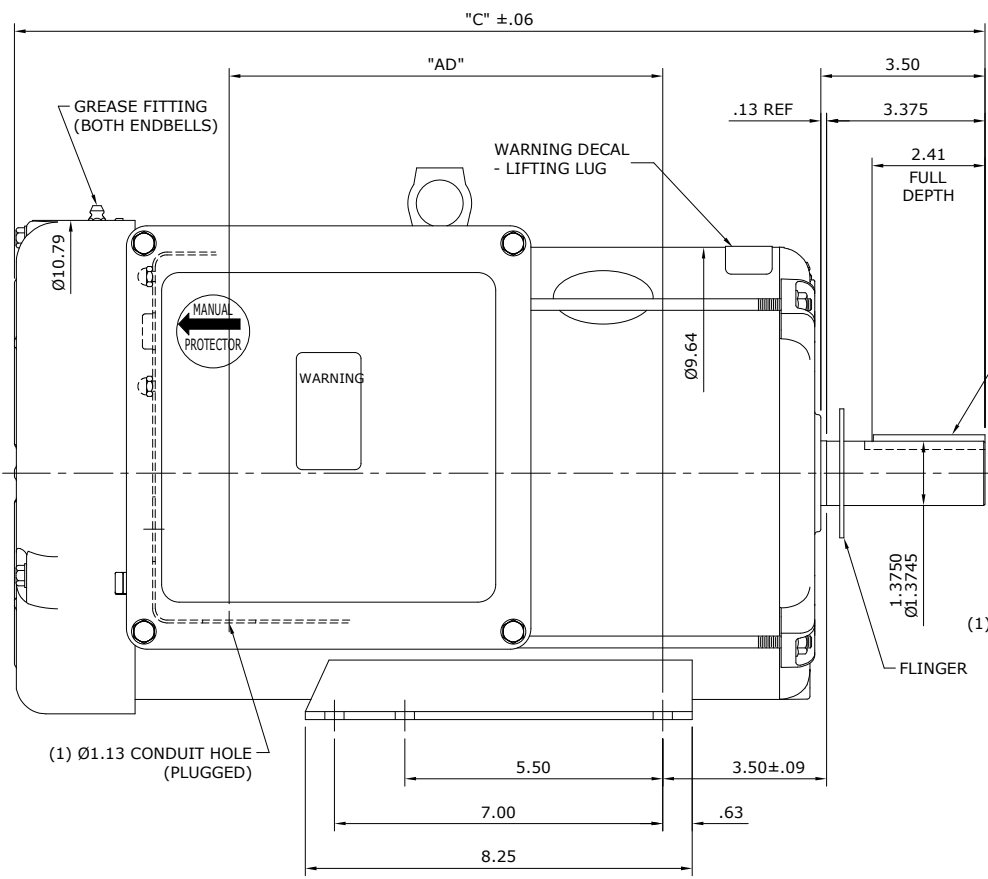
**Nameplate Specifications**

Phase	1	Output HP	10 Hp
Output KW	7.5 kW	Voltage	230 V
Speed	1740 rpm	Service Factor	1.15
Frame	215T	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	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	.114 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	005461.02ME	Outline Drawing	037596-1400

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**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		

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**TOLERANCES (EXCEPT AS NOTED):**  
 DEC. INCH mm ANGLE  
 .X ± 0.1 (# 3) ± 0.5°  
 .XX ± 0.03 (# 0.8)  
 .XXX ± 0.005 (# ± 0.13)  
 .XXXX ± 0.0005 (# ± 0.013)  
 REMOVE BURRS & BREAK SHARP EDGES: .003/.015 (.08/.38) X 45°  
 CORNER FILLETS: R.02 (.5)  
 MACHINED SURFACES: 125 √ mm 32

mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

DRAWN BY	RDW	DATE	6/3/02	DESCRIPTION	OUTLINE
APPROVED BY <td>SW <td>DATE</td> <td>6/3/02</td> <td>MATERIAL</td> <td>FARM DUTY</td> </td>	SW <td>DATE</td> <td>6/3/02</td> <td>MATERIAL</td> <td>FARM DUTY</td>	DATE	6/3/02	MATERIAL	FARM DUTY
REFERENCE	140130	PROCESS/FINISH		DRAWING NUMBER	037596
THIRD ANGLE PROJECTION	SIZE B	SHEET	1 OF 1		



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

**CERTIFICATION DATA SHEET**

CATALOG #: 140414.00

CONN. DIAGRAM: 005461.02

OUTLINE: 037596-1400

MOUNTING: F1 ONLY

WINDING #: K9427 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	H	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:	86.2	1/2 LOAD EFF:	84.1	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	95	3/4 LOAD PF:	96.4	1/2 LOAD PF:	94.6	84	CAP START CAP RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
30 LB-FT	295	117 LB-FT 390 %	69.5 LB-FT 232 %	92

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	10 SEC.	0	156 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

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S

<b>INVERTER TORQUE:</b> NONE
<b>INV. HP SPEED RANGE:</b> NONE
<b>ENCODER:</b> NONE
NONE NONE
NONE NONE PPR
<b>BRAKE:</b> NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE HZ

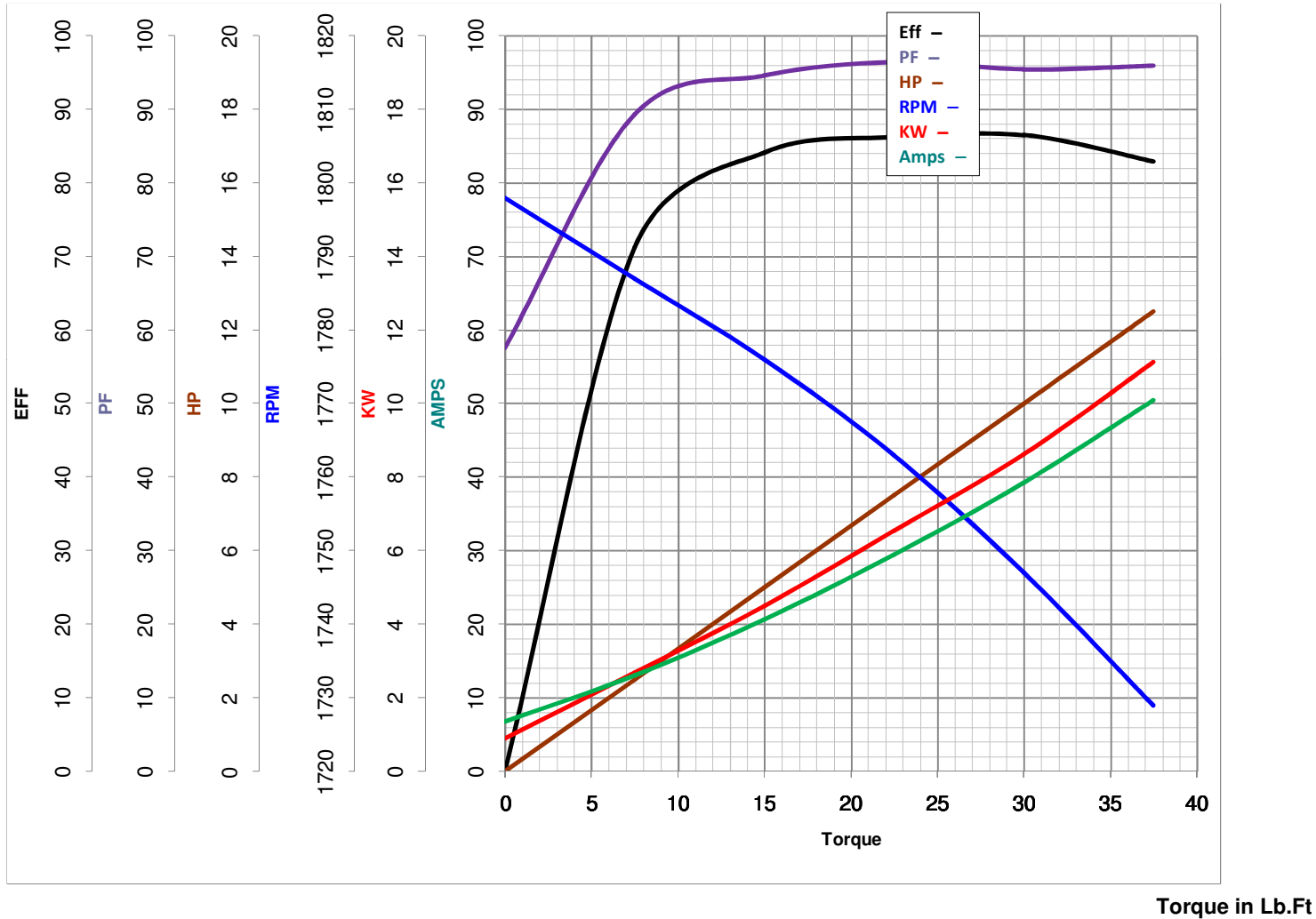


**LEESON ELECTRIC CORPORATION**  
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 140414.00

Catalog No 140414.00

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



FL TORQUE 30 Lb.Ft  
 BD TORQUE 69.5 Lb.Ft  
 LR TORQUE 117 Lb.Ft

FL AMPS 40  
 PU TORQUE 66.0 Lb.Ft  
 LR AMPS 295

WINDING K9427-2

Date 4/23/2018