

# PRODUCT INFORMATION PACKET

Model No: 140685.00

Catalog No: 140685.00

General Purpose Motor, 10 HP, 1 Ph, 60 Hz, 208-230 V, 3600 RPM, 215T Frame, TEFC



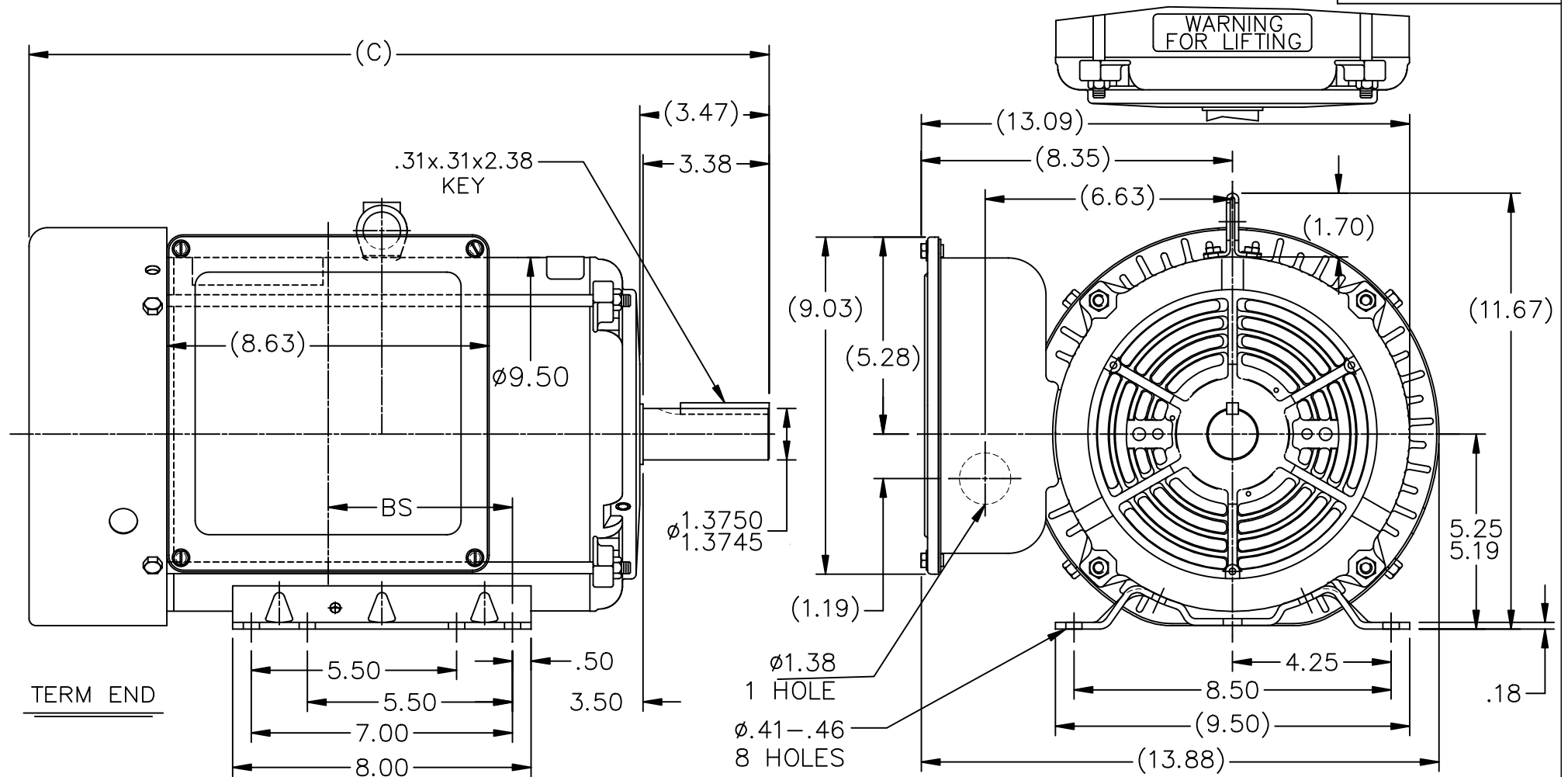
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### Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	208-230 V
Current	44.0-41.5 A	Speed	3500 rpm
Service Factor	1	Phase	1
Efficiency	85.5 %	Power Factor	93.5
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	G
Frame	215T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	307	Opp Drive End Bearing Size	206
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	2	Rotation	Selective Counterclockwise
Resistance Main	0 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	19.84 in
Frame Length	11.15 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	SS88687LE-1115	Connection Drawing	EE9048MF-LE



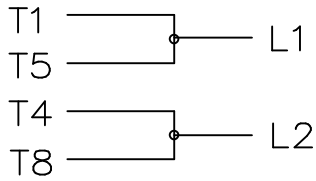
DASH	FR.	C	BS
965	213T	18.34	3.44
1115	213/15T	19.84	4.94
1240	215T	21.09	6.19

## NOTES:

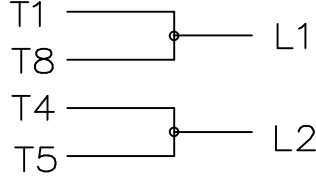
1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
2. DASH 965 TO BE READ FROM OPPOSITE SHAFT END
3. GENERIC OUTLINE, FARM DUTY MODELS INCLUDE SHAFT END SLINGER

				TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN RJM 07-26-2002		
				DEC.	INCHES				CHK	ML	08-05-2002
				.X	±.1				APPD	JPL	08-02-2002
3	ADDED NOTE 3	KVN 11/9/2009		.XX	±.03	TITLE OUTLINE 210 FR. – TEFC – 1 PHASE			SCALE 1=4		
2	ADDED NOTE 2 CN 31881	DRS 10-21-2002	ML	.XXX	±.005				REF		
1	NEW DRAWING – DES/DEV	RJM 08-02-2002		.XXXX	±.0005	MAT'L.			FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±'7'30"	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		CAD FILE ss88687le			SIZE	DRAWING NO. PAGE OF		REV.
			DIST LB					A	SS88687LE		3

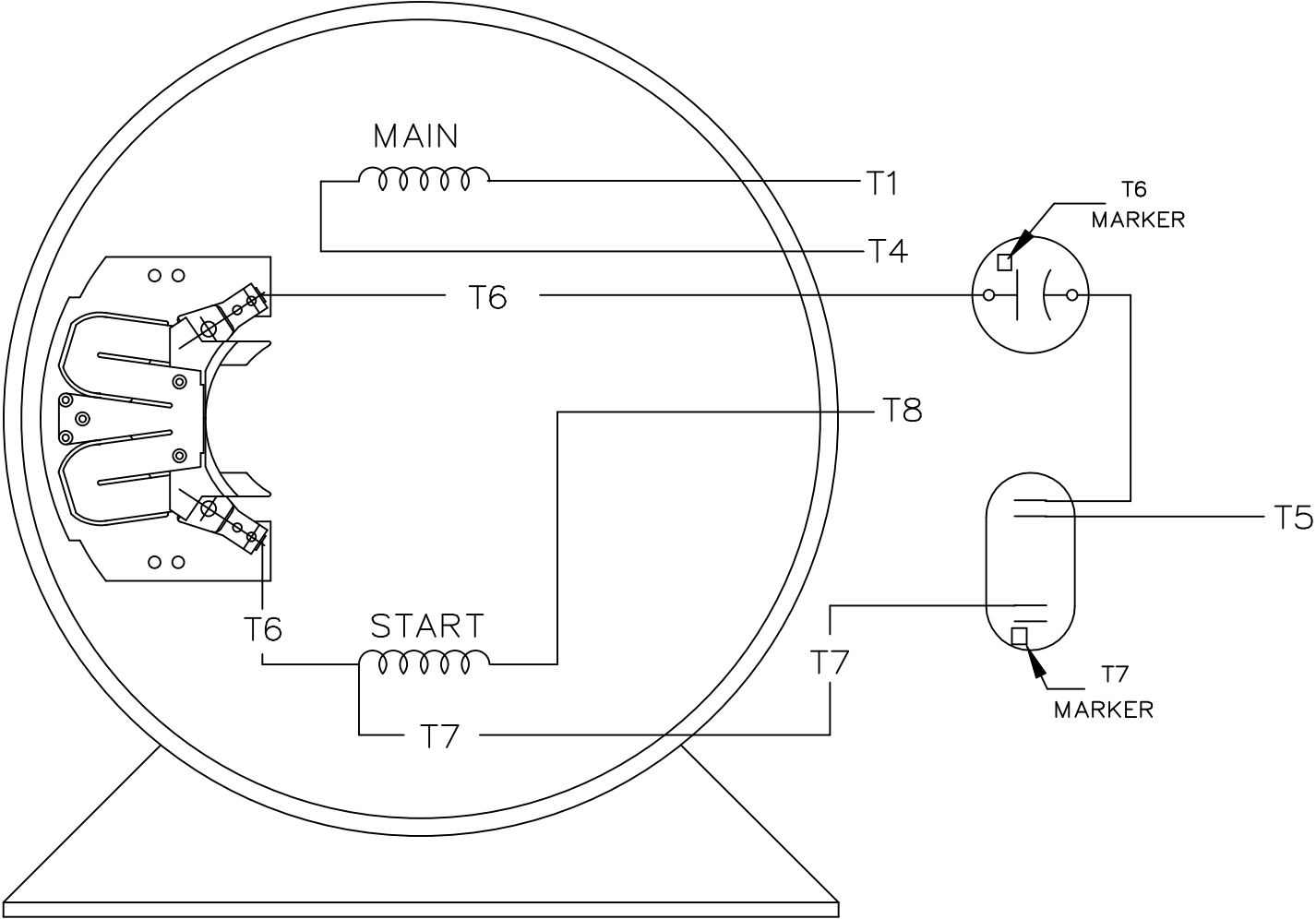
C.W. ROTATION




C.C.W. ROTATION



SINGLE VOLTAGE  
CAPACITOR START  
CAPACITOR RUN  
REVERSIBLE



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN RJM 07-25-2002					
				DEC.	INCHES		CHK					
				.X	±.1		APPD					
				.XX	±.02		TITLE CONNECTION DIAGRAM 180-210 SWITCH			SCALE	1=1	
				.XXX	±.005					REF		
1	NEW DRAWING – DES/DEV	RJM		.XXXX	±.0005	MAT'L.			FMF			
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH			PREV			
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			DIST LB						A	EE9048MF-LE		1



# CERTIFICATION DATA SHEET

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

**CONN. DIAGRAM:** A-EE9048MF-LE

**CATALOG #:** 140685.00

**OUTLINE:** A-SS88687LE-1115

**MOUNTING:** F1 ONLY

**WINDING #:** BK10268 2

## TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10	7.46	3600	3500	215T	TEFC	G	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	208-230	44-41.5	ACROSS THE LINE	CONTINUOUS	F4	1.0	40

<b>FULL LOAD EFF:</b>	85.5	<b>3/4 LOAD EFF:</b>	83.9	<b>1/2 LOAD EFF:</b>	81.3	<b>GTD. EFF</b>		<b>ELEC. TYPE</b>
<b>FULL LOAD PF:</b>	93.5	<b>3/4 LOAD PF:</b>	92.9	<b>1/2 LOAD PF:</b>	90.3	82.5		CAP START CAP RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15 LB-FT	249	26 LB-FT 173 %	38.5 LB-FT 257 %	85

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
78 dBA	88 dBA	0 LB-FT^2	0 LB-FT^2	10 SEC.	0	145 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	BLUE - LEESON (ENAMEL)

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
307	206						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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**INVERTER TORQUE:** NONE  
**INV. HP SPEED RANGE:** NONE

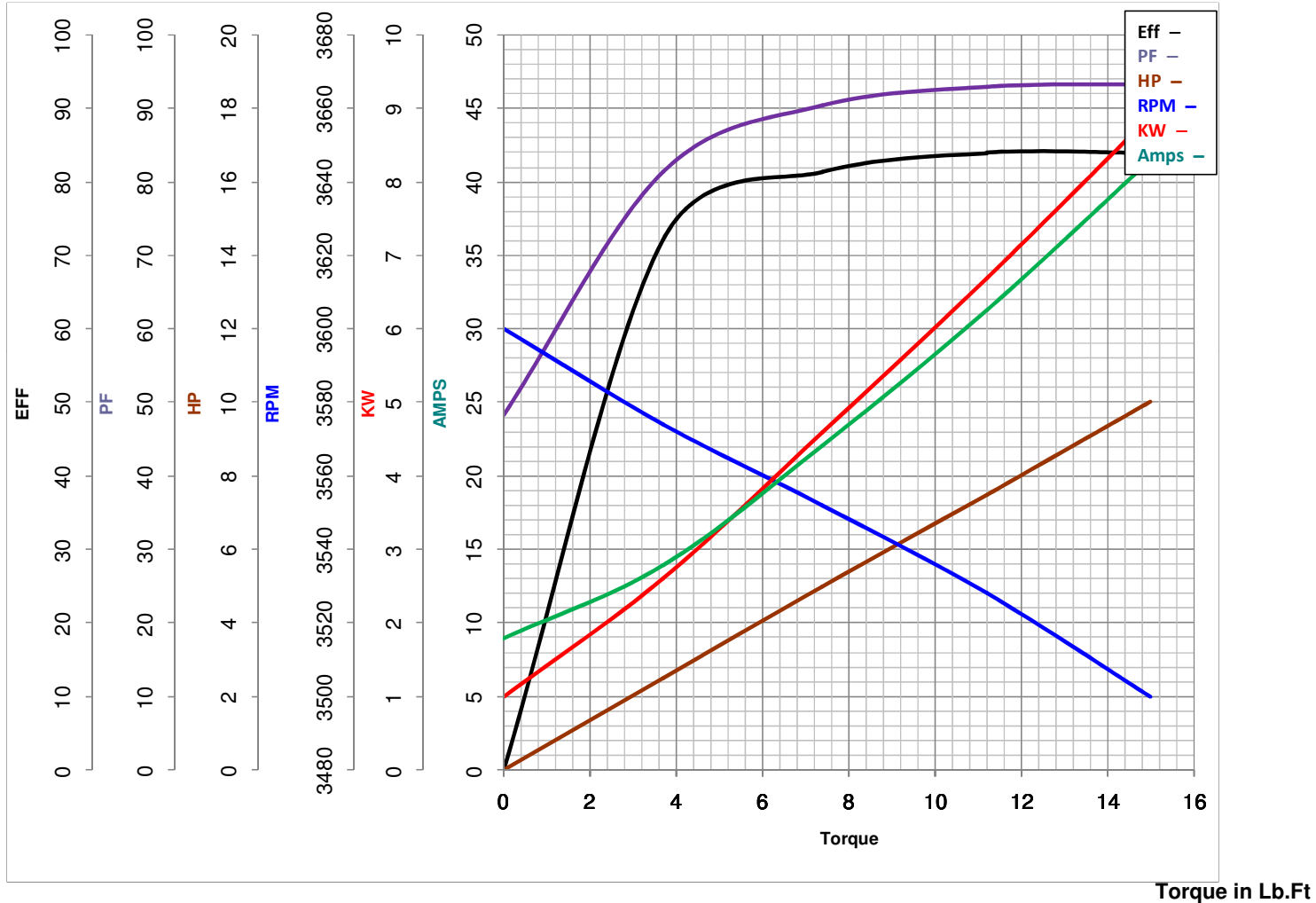
**ENCODER:** NONE  
NONE NONE  
NONE NONE PPR

**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 140685.00Curve at 230  
60  
10Volts  
HZ  
HPHP 10.00PHASE 1VOLTS 208-230Catalog No 140685.00HZ 60RPM 3500

FL TORQUE 15 Lb.Ft  
 BD TORQUE 38.5 Lb.Ft  
 LR TORQUE 26 Lb.Ft

FL AMPS 44-41.5  
 PU TORQUE 20.0 Lb.Ft  
 LR AMPS 249

WINDING BK10268-2

Date 5/2/2018