

# PRODUCT INFORMATION PACKET



Model No: 140684.00

Catalog No: 140684.00

General Purpose Motor, 7.50 HP, 1 Ph, 60 Hz, 208-230 V, 3600 RPM, 213T Frame, TEFC



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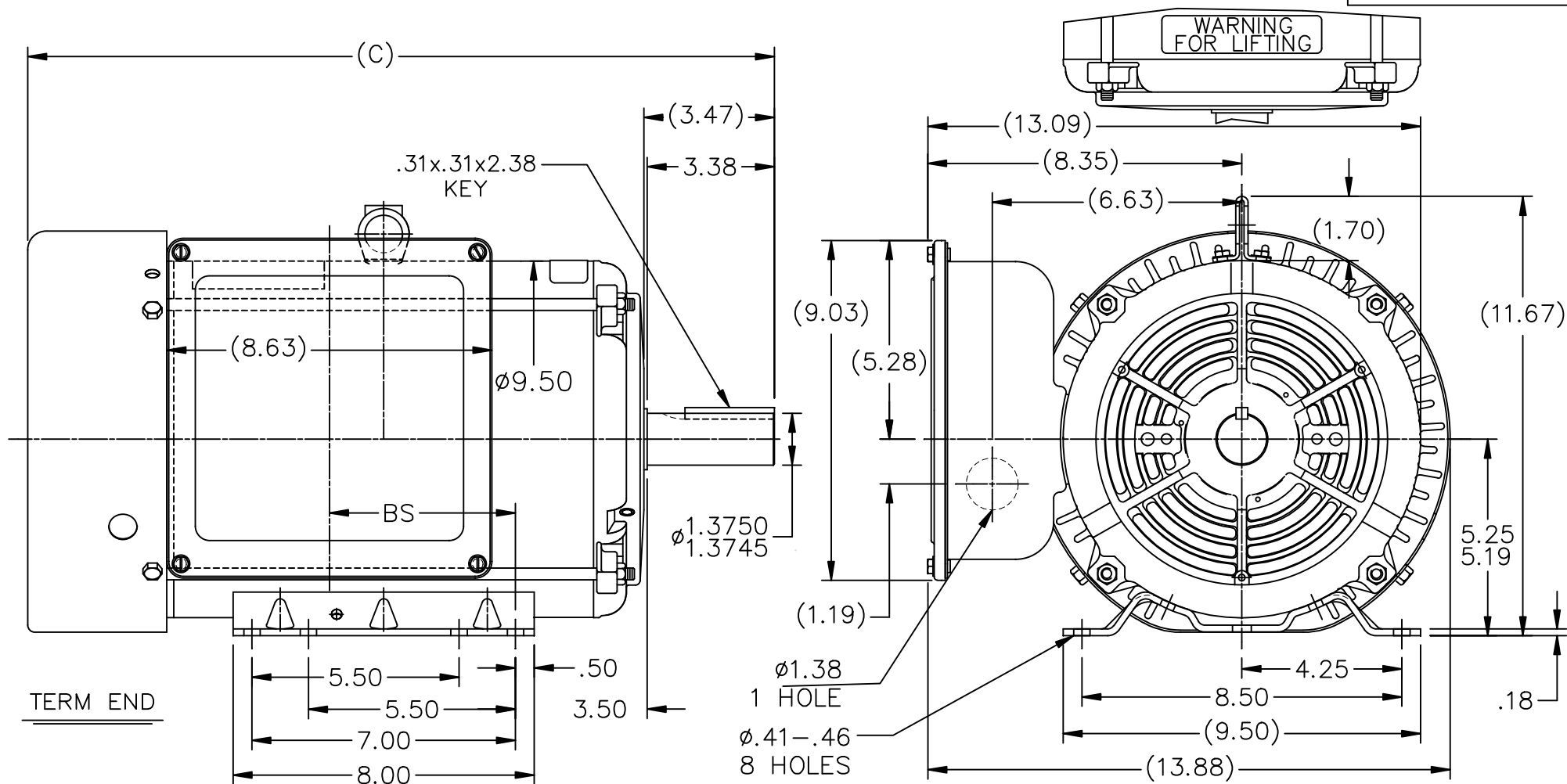


### Nameplate Specifications

Phase	1	Output HP	7.50 Hp
Output KW	5.6 kW	Voltage	208-230 V
Speed	3465 rpm	Service Factor	1.00
Frame	213T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	81.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	36.0-32.0 A	Power Factor	93.5
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	G
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	18.34 in
Frame Length	9.65 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	EE9048MF-LE	Outline Drawing	SS88687LE-965



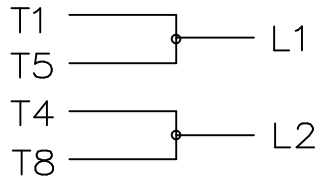
- NOTES:  
 1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.  
 2. DASH 965 TO BE READ FROM OPPOSITE SHAFT END  
 3. GENERIC OUTLINE, FARM DUTY MODELS INCLUDE SHAFT END SLINGER

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

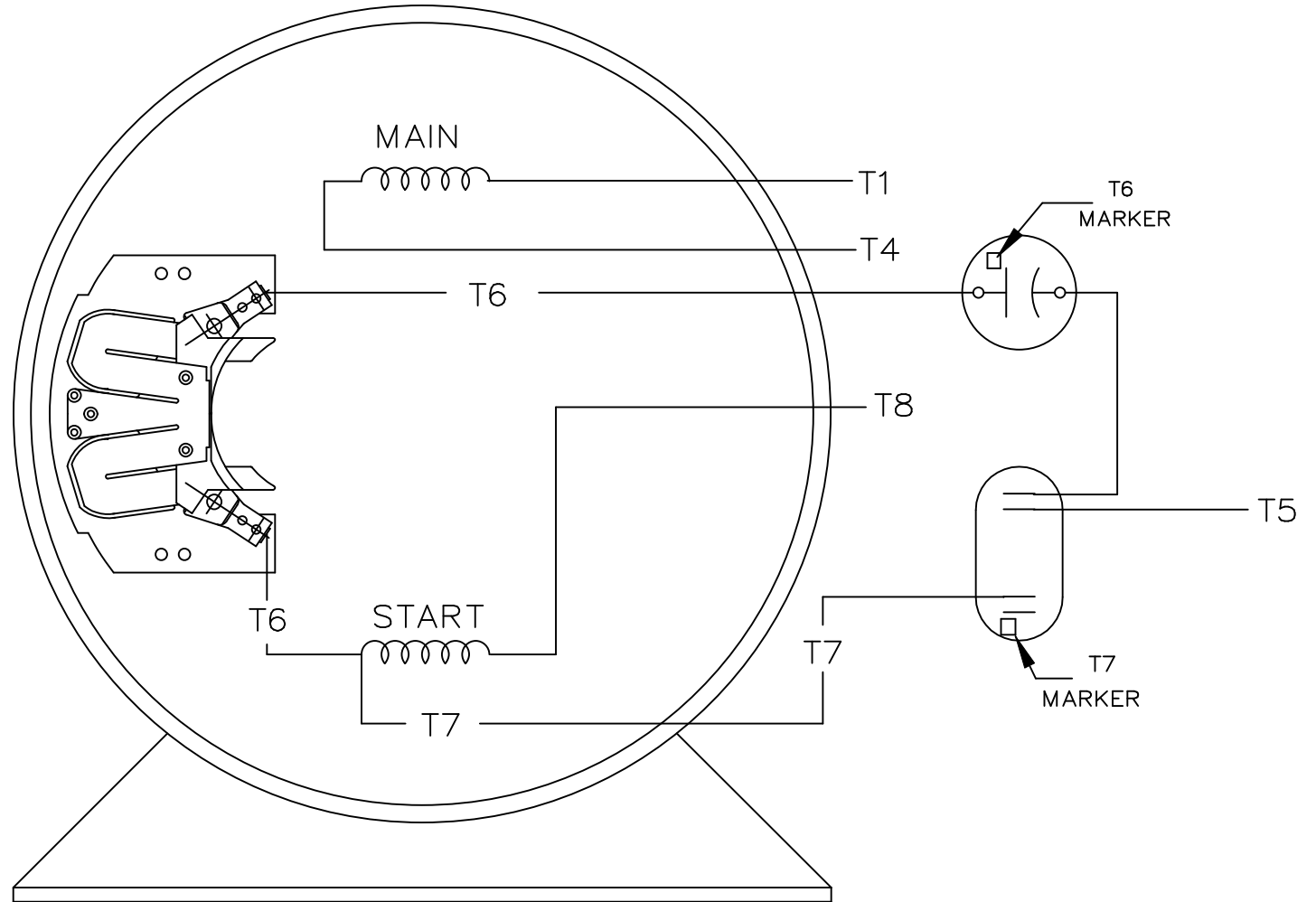
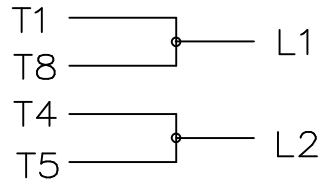
			TOLERANCES UNLESS SPECIFIED			DRAWN RJM 07-26-2002	
			DEC.	INCHES		CHK	ML 08-05-2002
			.X	±.1		APPD	JPL 08-02-2002
3	ADDED NOTE 3	KVN 11/9/2009	.XX	±.03	TITLE OUTLINE	SCALE	1=4
2	ADDED NOTE 2 CN 31881	DRS 10-21-2002	ML	.XXX ±.005	210 FR. - TEFC - 1 PHASE	REF	
1	NEW DRAWING - DES/DEV	RJM 08-02-2002		.XXXX ±.0005	MAT'L.	FMF	
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV	
			RFP		CAD FILE ss88687le		SIZE
			DIST	LB			DRAWING NO.
							SS88687LE
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							REV.
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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		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		
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 EE9048MF-LE		SIZE	DRAWING NO. PAGE OF	REV.
				DIST LB			A	EE9048MF-LE	1



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

**CERTIFICATION DATA SHEET**

**CONN. DIAGRAM:** EE9048MF-LE

**CATALOG #:** 140684.00

**OUTLINE:** SS88687LE-965

**MOUNTING:** F1 ONLY

**WINDING #:** BK10269 1

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2	5.60	3600	3465	213T	TEFC	G	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	208-230	36-32	ACROSS THE LINE	CONTINUOUS	F4	1.0	40

FULL LOAD EFF:	81.5	3/4 LOAD EFF:	80.9	1/2 LOAD EFF:	77.8	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	93.5	3/4 LOAD PF:	93	1/2 LOAD PF:	90.4	78.5	CAP START	CAP RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
11.3 LB-FT	189	18.7 LB-FT 165 %	25.3 LB-FT 224 %	80

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	113 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

\*  
N  
O  
T  
E  
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
FT-LB NONE V NONE Hz



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

Model No 140684.00

Curve at 230  
60  
7.5

Volts  
HZ  
HP

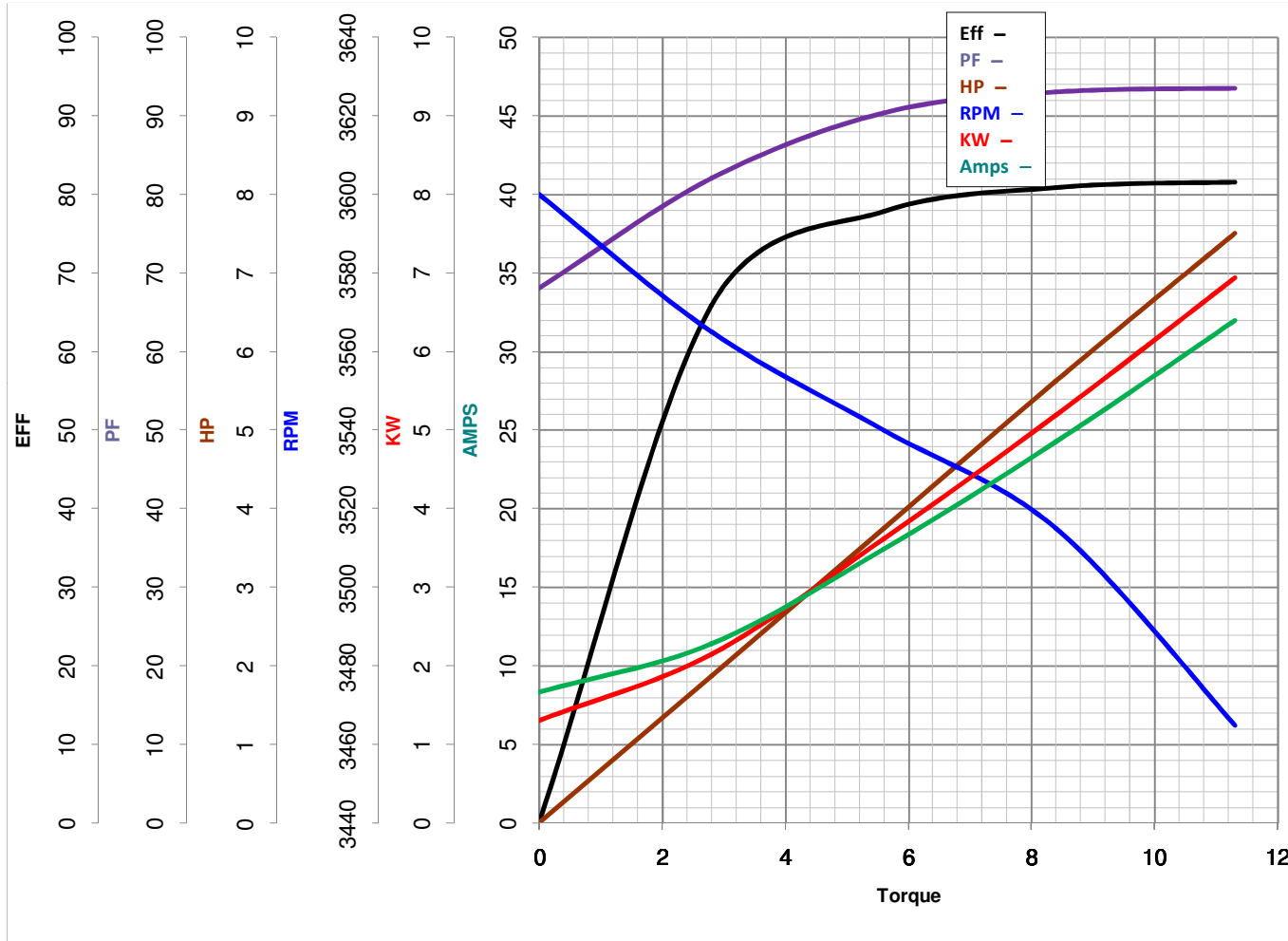
HP 7.50  
VOLTS 208-230

PHASE 1

Catalog No 140684.00

HZ 60

RPM 3465



Torque in Lb.Ft

FL TORQUE	<u>11.3</u>	Lb.Ft
BD TORQUE	<u>25.3</u>	Lb.Ft
LR TORQUE	<u>18.7</u>	Lb.Ft

FL AMPS	<u>36-32</u>	
PU TORQUE	<u>22.5</u>	Lb.Ft
LR AMPS	<u>189</u>	

WINDING BK10269-1

Date 4/23/2018