

# PRODUCT INFORMATION PACKET



Model No: LM24720  
Catalog No: LM24720

General Purpose Motor, 7.50 HP, 1 Ph, 60 Hz, 208-230 V, 1800 RPM, 215T Frame, TEFC



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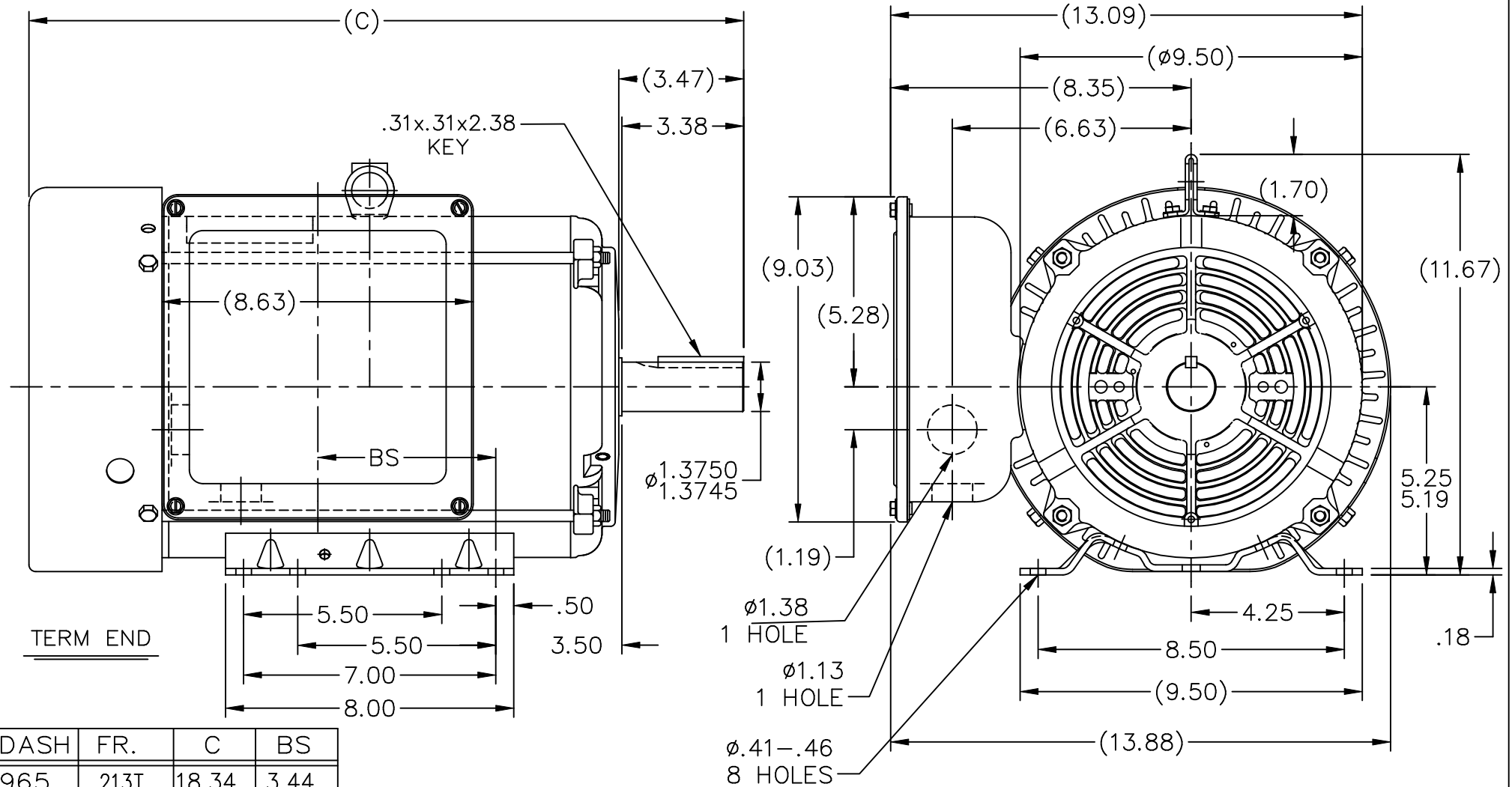


### Nameplate Specifications

Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	208-230 V
Current	35.0-30.0 A	Speed	1740 rpm
Service Factor	1	Phase	1
Efficiency	84 %	Power Factor	96
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	4	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	21.09 in
Frame Length	12.40 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	EE9048MF-LN	Outline Drawing	SS88687LN-1240

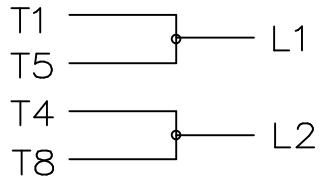


DASH	FR.	C	BS
965	213T	18.34	3.44
1115	213/15T	19.84	4.94
1240	215T	21.09	6.19

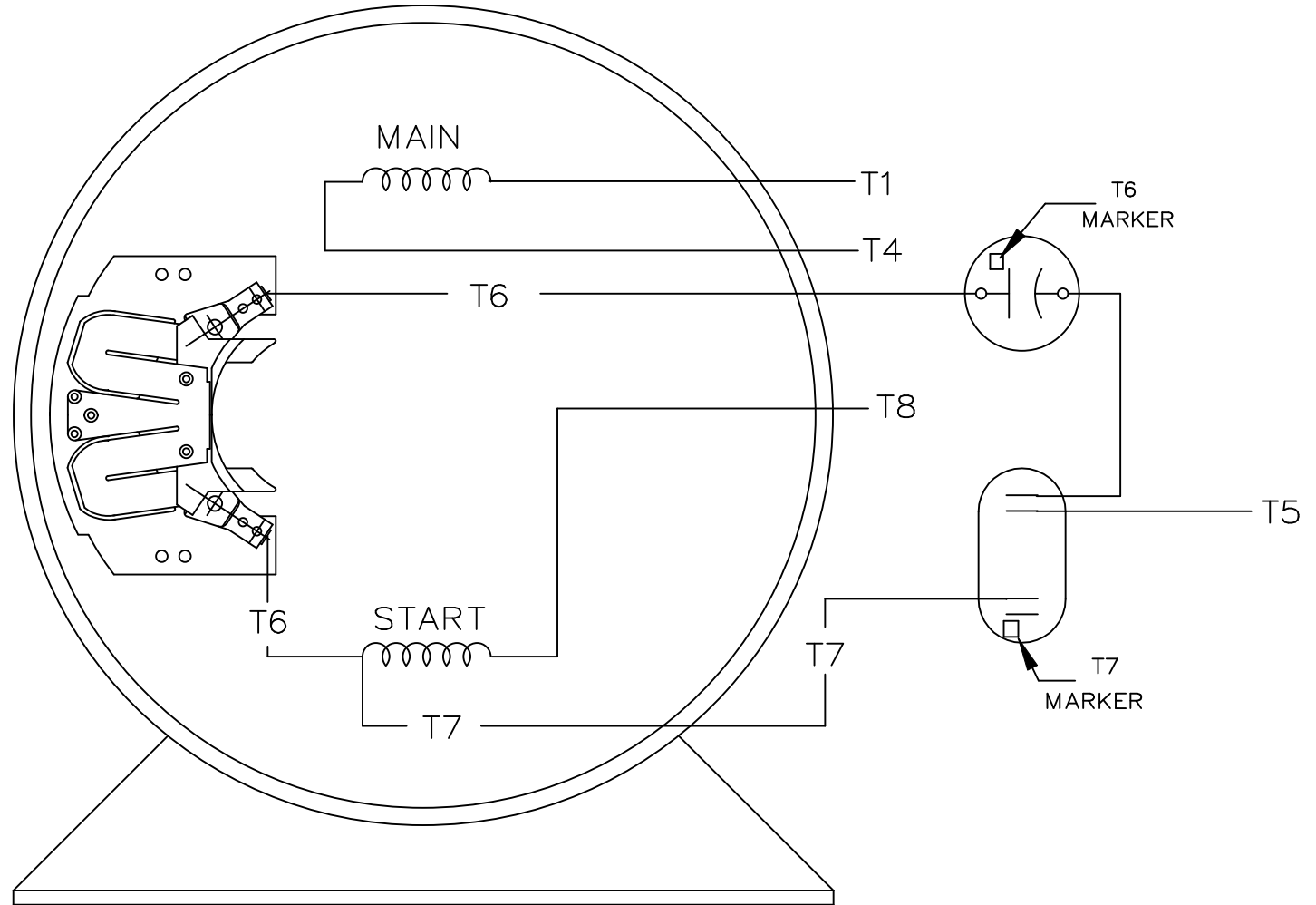
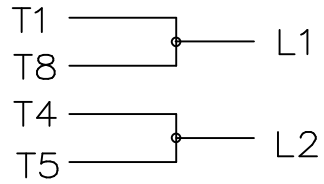
NOTES:  
 1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.  
 2. DASH 965 TO BE READ FROM OPPOSITE SHAFT END

				TOLERANCES UNLESS SPECIFIED			DRAWN MJK 07-25-2007			
				DEC.	INCHES		CHK MG 01-24-2008			
				.X	$\pm .1$		APPD EH 01-24-2008			
				.XX	$\pm .03$		SCALE 1=4			
				.XXX	$\pm .005$		REF			
				.XXXX	$\pm .0005$	TITLE OUTLINE				
				ANG	$\pm 7'30''$	210 FR. - TEFC - 1 PHASE				
				FINISH		MAT'L.				
				CHK		PREV				
NO.	REVISION	BY & DATE	CHK	ANG	FINISH					
				RFP	01-24-2008	CAD FILE ss88687ln				
				DIST	LB	SIZE	DRAWING NO.	PAGE	OF	REV.
						A	SS88687LN			

C.W. ROTATION




C.C.W. ROTATION



SINGLE VOLTAGE  
CAPACITOR START  
CAPACITOR RUN  
REVERSIBLE

VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED			DRAWN JJB 03-18-2008	
				DEC.	INCHES		CHK ML 03-18-2008	
				.X	±.1		APPD EH 03-18-2008	
				.XX	±.02		SCALE 1=1	
				.XXX	±.005		REF	
				.XXXX	±.0005	MAT'L.		
				ANG	±7'30"	FINISH		
NO.	REVISION	BY & DATE	CHK	ANG	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-LN	SIZE	DRAWING NO. PAGE OF REV.	
				DIST LB		A	EE9048MF-LN	

ERROR: syntaxerror  
OFFENDING COMMAND: --nostringval--

STACK:

-dictionary-  
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/Pscript\_WinNT\_Compat  
-dictionary-



**CERTIFICATION DATA SHEET**

**2100 WASHINGTON ST.  
GRAFTON, WI  
PH. 262-277-8810**

**CUSTOMER:**

**ORDER #:**

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

**OUTLINE:** A-SS88687LN-1240

CATALOG : LM24720

**WINDING #:** BK104118 1

**MOUNTING:** F1 ONLY

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2	5.60	1800	1740	215T	TEFC	G	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	208-230	35-30	ACROSS THE LINE	CONTINUOUS	F4	1.0	40

FULL LOAD EFF:	84	3/4 LOAD EFF:	84.5	1/2 LOAD EFF:	82.5	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	96	3/4 LOAD PF:	95.8	1/2 LOAD PF:	95	81.5		CAP START CAP RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.5 LB-FT	198	50 LB-FT 222 %	51 LB-FT 227 %	85

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
72 dBA	82 dBA	0 LB-FT^2	0 LB-FT^2	0 SEC.	0	89 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	GRAY (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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<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



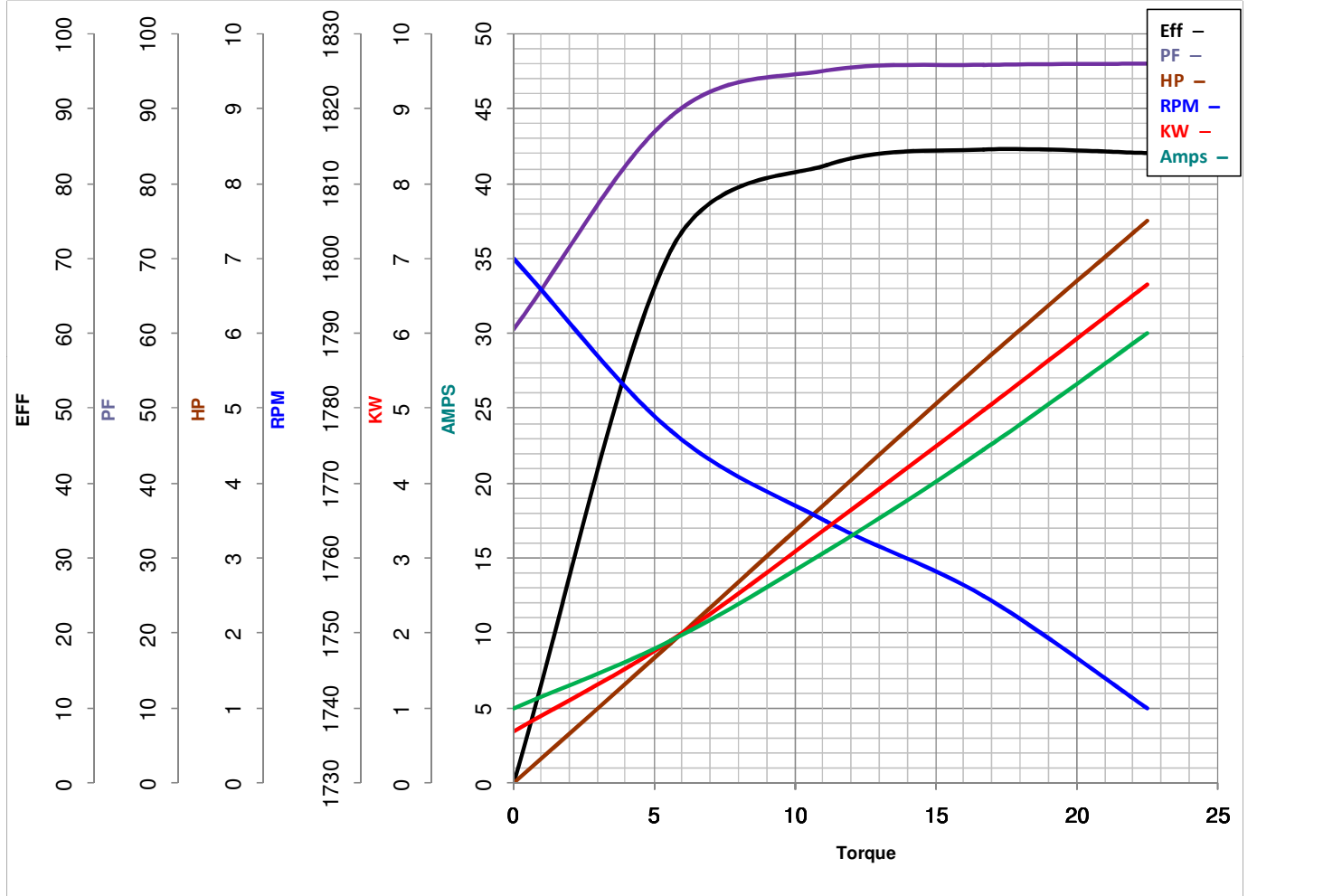
**LEESON ELECTRIC CORPORATION**  
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No LM24720

Curve at 230 Volts      HP 7.50      PHASE 1  
60 HZ  
7.5 HP      VOLTS 208-230

Catalog No LM24720BD

HZ 60      RPM 1740



Torque in Lb.Ft

FL TORQUE 22.5 Lb.Ft  
BD TORQUE 51.0 Lb.Ft  
LR TORQUE 50 Lb.Ft

FL AMPS 35-30  
PU TORQUE 46.5 Lb.Ft  
LR AMPS 198

WINDING BK104118-1

Date 4/19/2018