

PRODUCT INFORMATION PACKET



Model No: LM24722
Catalog No: LM24722
10 HP General Purpose Motor, 1 phase, 1800 RPM, 230 V, 215T Frame, TEFC
General Purpose Motors



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Nameplate Specifications

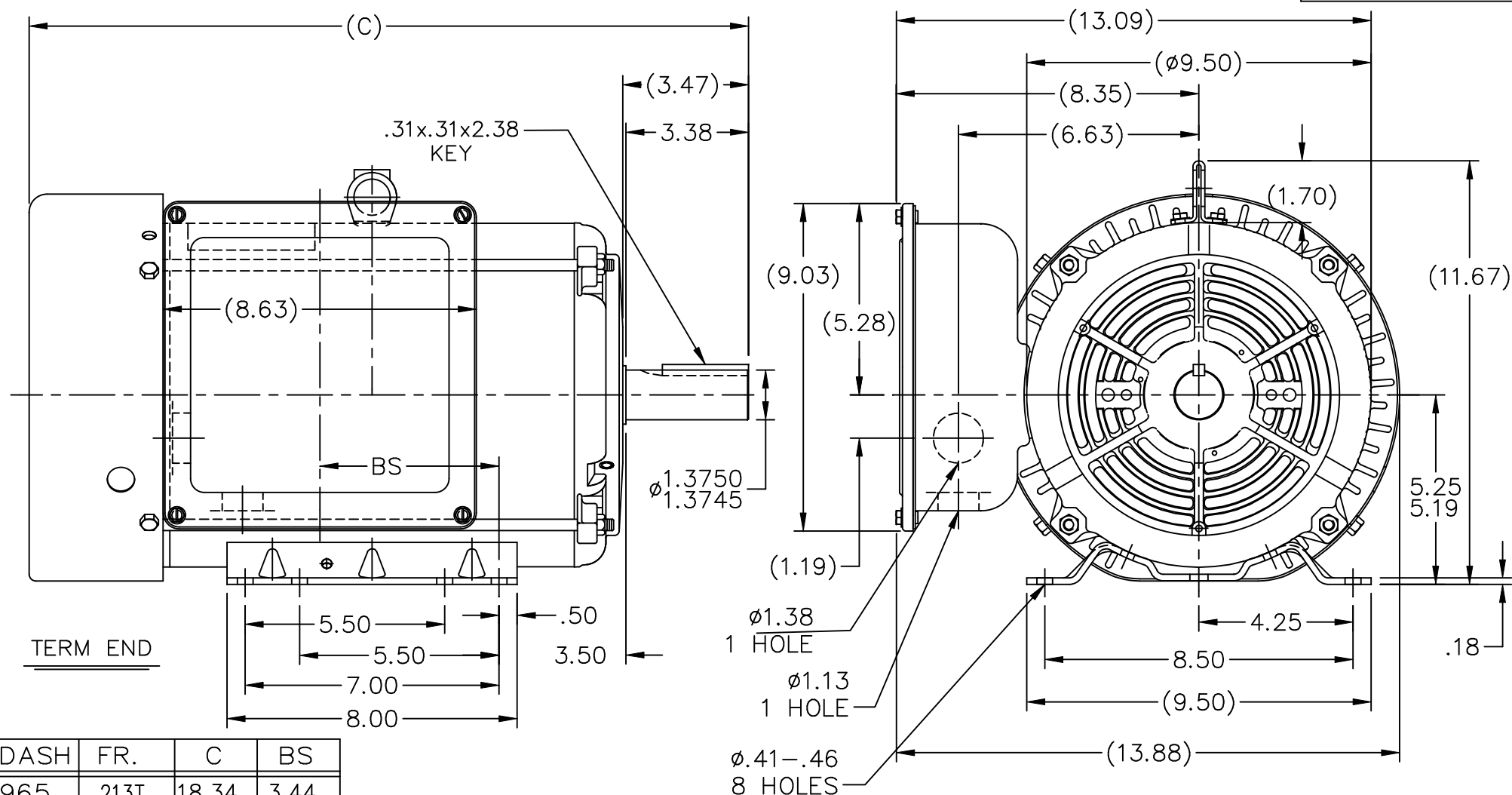
Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	230 V
Current	41.5 A	Speed	1745 rpm
Service Factor	1	Phase	1
Efficiency	85.5 %	Power Factor	90.5
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	H
Frame	215T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	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	A-EE9048MF-LN	Outline Drawing	A-SS88687LN-1240

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SS88687LN



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

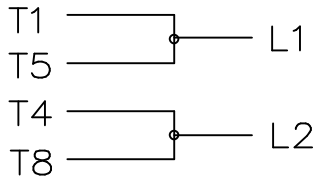
NOTES:

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

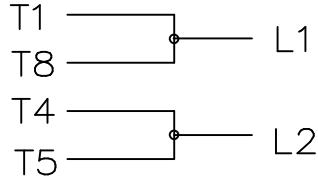
				TOLERANCES UNLESS SPECIFIED			DRAWN MJK 07-25-2007					
				DEC.	INCHES		CHK MG 01-24-2008					
				.X	±.1		APPD EH 01-24-2008					
				.XX	±.03	TITLE OUTLINE 210 FR. – TEFC – 1 PHASE				SCALE 1=4		
				.XXX	±.005					REF		
				.XXXX	±.0005	MAT'L.				FMF		
NO.	REVISION		BY & DATE	CHK	ANG	± 7'30"	FINISH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

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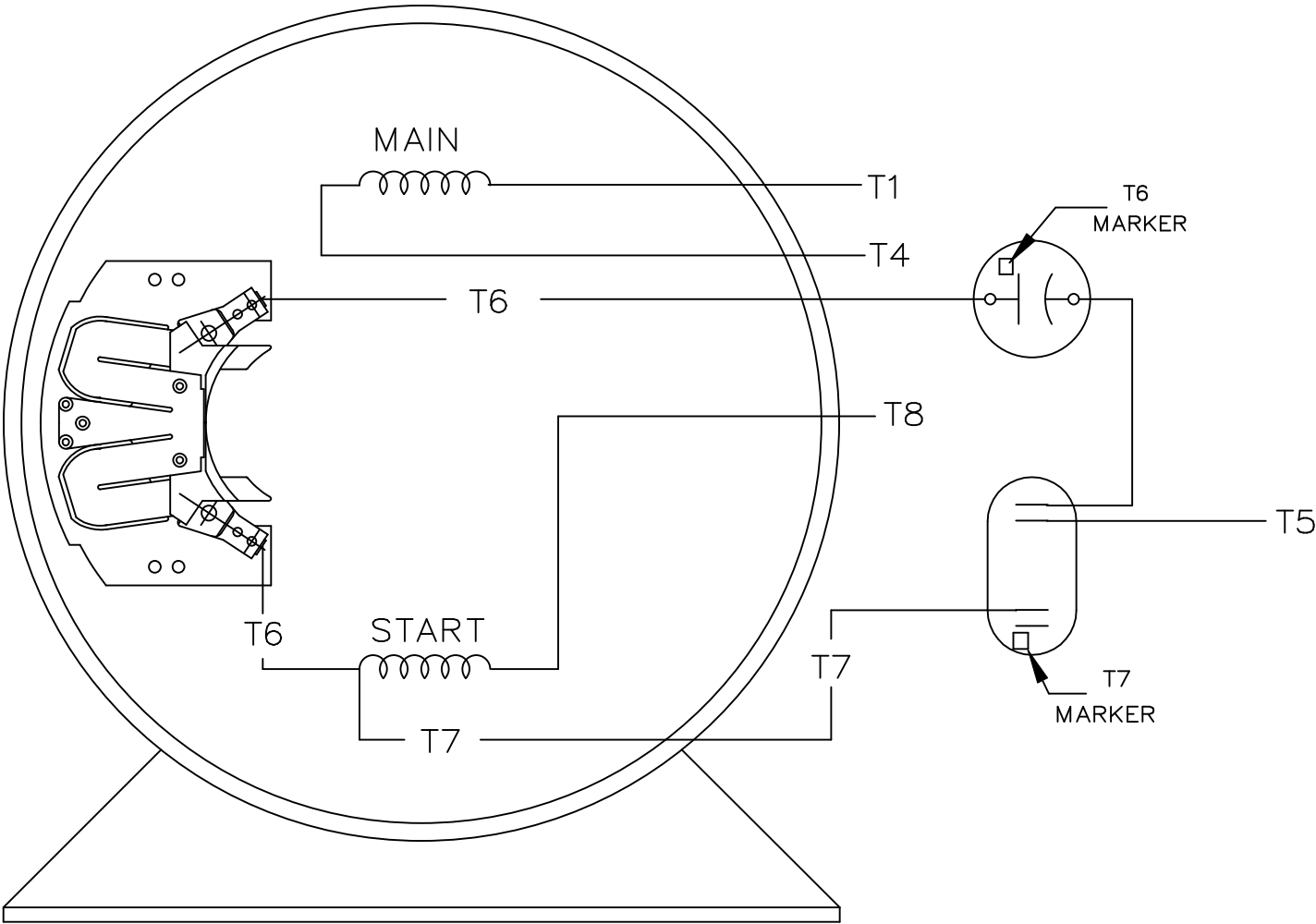
C.W. ROTATION




C.C.W. ROTATION



SINGLE VOLTAGE
CAPACITOR START
CAPACITOR RUN
REVERSIBLE



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED			DRAWN JJB 03-18-2008			
				DEC.	INCHES		CHK ML 03-18-2008			
				.X	±.1		APPD EH 03-18-2008			
				.XX	±.02		TITLE CONNECTION DIAGRAM 180-210 SWITCH			SCALE 1=1
				.XXX	±.005					REF
				.XXXX	±.0005	MAT'L.	FMF			
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH			PREV	
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			DIST LB				A	EE9048MF-LN		

ERROR: syntaxerror
OFFENDING COMMAND: --nostringval--

STACK:

-dictionary-
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/Pscript_WinNT_Compat
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CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: A-EE9048MF-LN

OUTLINE: A-SS88687LN-1240

CATALOG #: LM24722

WINDING #: BK104125 2

MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10	7.50	1800	1745	215T	TEFC	H	L

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

FULL LOAD EFF: 85.5	3/4 LOAD EFF: 84.5	1/2 LOAD EFF: 81	GTD. EFF	ELEC. TYPE
FULL LOAD PF: 90.5	3/4 LOAD PF: 89.5	1/2 LOAD PF: 85	82.5	CAP START CAP RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
29.9 LB-FT	260	55.2 LB-FT 185 %	79.7 LB-FT 267 %	95

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	10 SEC.	0	128 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 - GE

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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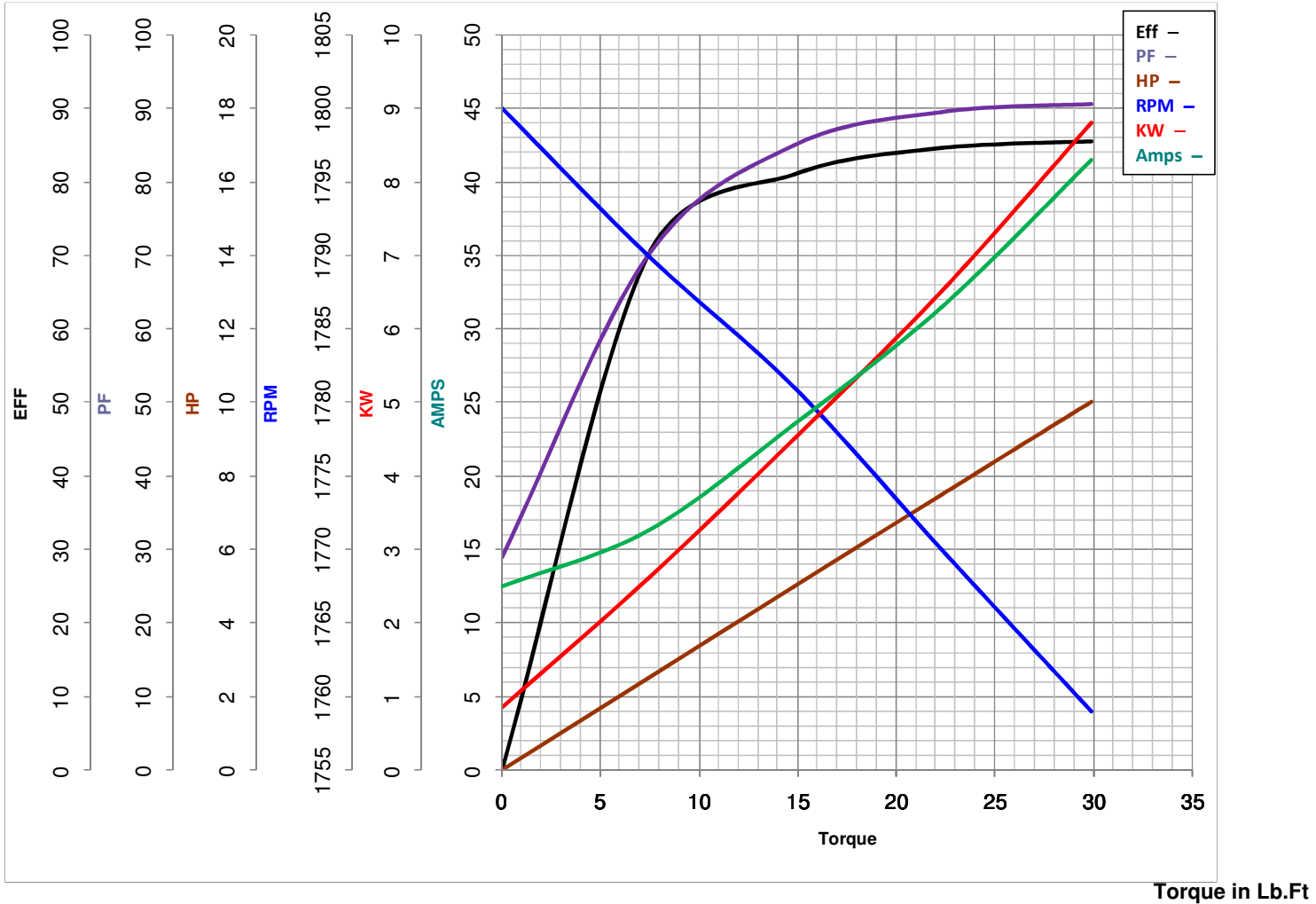
INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE NONE NONE NONE NONE PPR
BRAKE: NONE NONE NONE P/N NONE NONE NONE FT-LB NONE V NONE Hz

Model No LM24722Catalog No LM24722BD

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

 Curve at 230
60
10

 Volts
 HZ
 HP
HP 10.00PHASE 1VOLTS 230HZ 60RPM 1745
 FL TORQUE 29.9 Lb.Ft
 BD TORQUE 79.7 Lb.Ft
 LR TORQUE 55.2 Lb.Ft

 FL AMPS 41.5
 PU TORQUE 53.0 Lb.Ft
 LR AMPS 260

WINDING BK104125-2

Date 4/16/2018