marathon®

Agricultural Motors

Model No: LM24802
Catalog No: LM24802

Agricultural Motor, 5 HP, 1 Ph, 60 Hz, 208-230 V, 1800 RPM, 184T Frame, TEFC

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Product Information Packet: Model No: LM24802, Catalog No: LM24802 Agricultural Motor, 5 HP, 1 Ph, 60 Hz, 208-230 V, 1800 RPM, 184T Frame, TEFC

Nameplate Specifications

Phase	**1**	Output HP	**5 Hp**
Output KW	**3.7 kW**	Voltage	**208-230 V**
Speed	**1755 r/min**	Synchronous RPM	**1800 r/min**
Service Factor	**1.15**	Frame	**184T**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**Manual**
Efficiency	**84 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**23.8-21.8 A**
Power Factor	**89**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**NO DESIGN CODE**
KVA Code	**K**	Drive End Bearing Size	**6206**
Opp Drive End Bearing Size	**6205**	UL	**Recognized (Not Protector)**
CSA	**Y**	CE	**Y**
IP Code	**43**	Number of Speeds	**1**

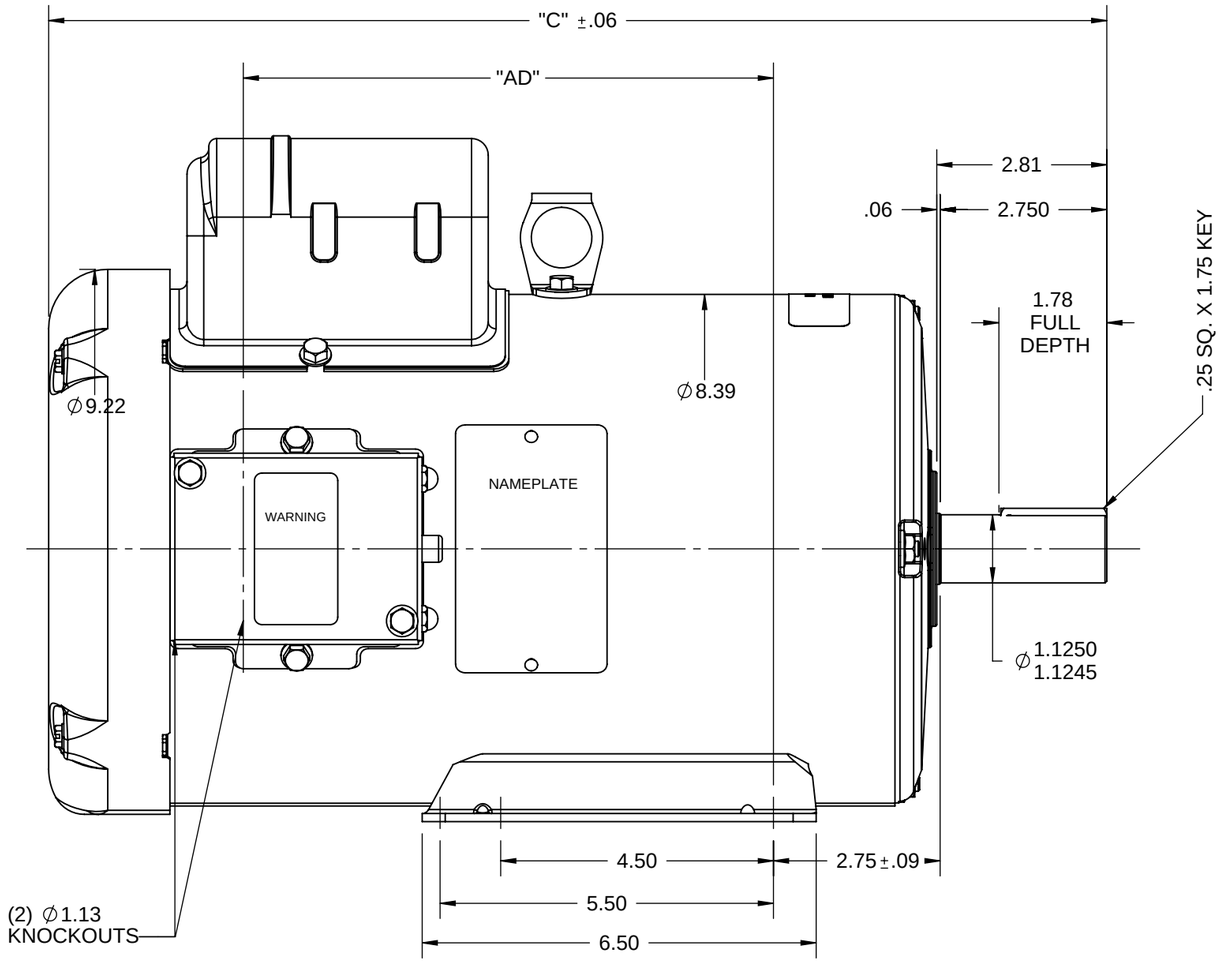
Technical Specifications

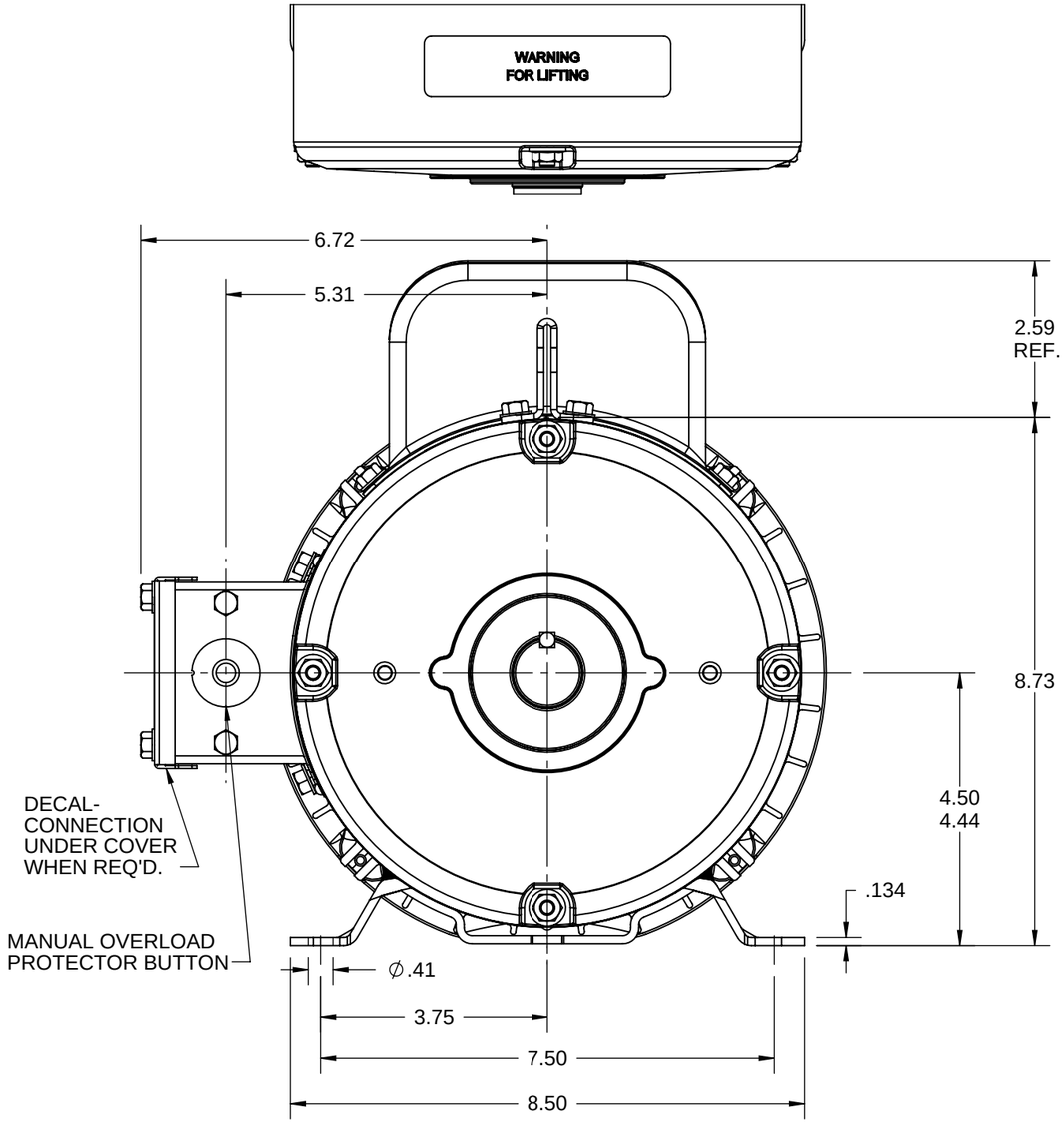
Electrical Type	**Capacitor Start Capacitor Run**	Starting Method	**Across The Line**
Poles	**4**	Rotation	**Selective Counterclockwise**
Resistance Main	**.397 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Overall Length	**17.46 in**
Frame Length	**12.0 in**	Shaft Diameter	**1 1/8 in**
Shaft Extension	**2.75 in**	Assembly/Box Mounting	**F1 Only**

Drawings

Connection Drawing	**005056.03LN**	Outline Drawing	**035482LN-1200**

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DASH NO.	"C"	"AD"
850	13.96	5.25
900	14.46	5.75
950	14.96	6.25
1000	15.46	6.75
1050	15.96	7.25
1100	16.46	7.75
1150	16.96	8.25
1200	17.46	8.75

GASKETS THROUGHOUT

DRAWING REVISION	REVISION BY	REV DATE/© DATE
D	SV	05/22/2026
REQUEST NUMBER	APPROVED BY	DATE
CR-0026372	RMS	05/22/2026

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK 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 INCH / 3.2 mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

DRAWN BY	JD
DATE	05/08/2012
APPROVED BY	
DATE	
REFERENCE	035482
THIRD ANGLE PROJECTION	

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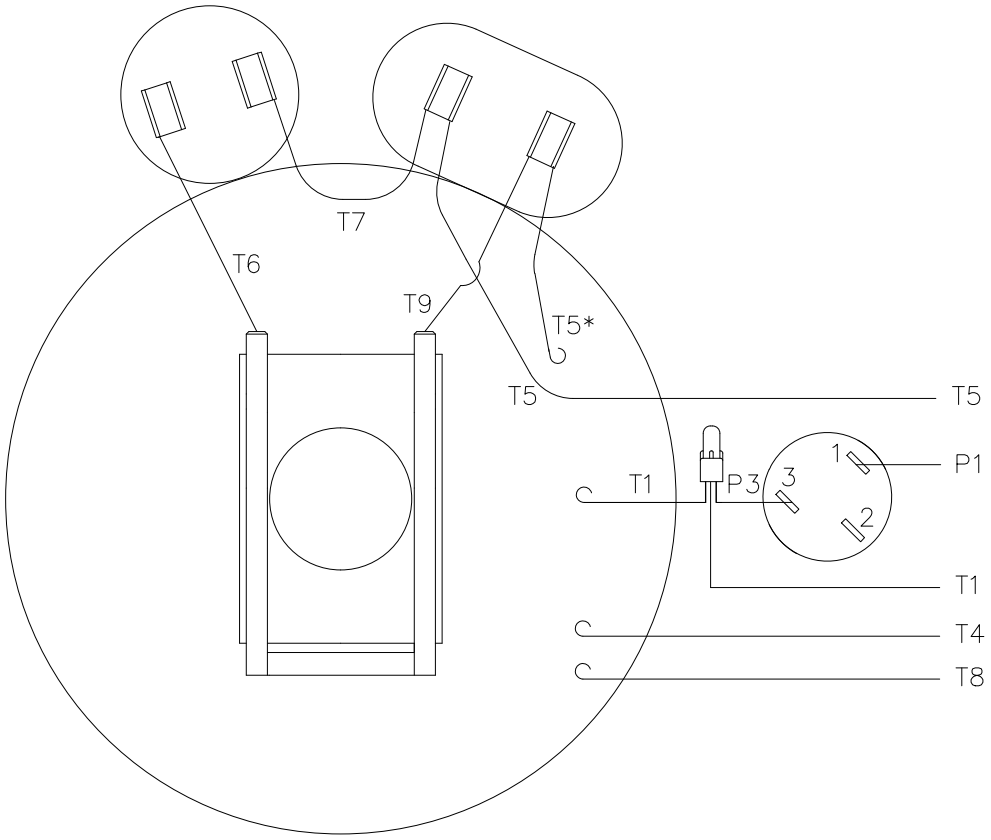
DESCRIPTION
OUTLINE
TEFC - RIGID MOUNT

MATERIAL	PROCESS/FINISH
GENERAL PURPOSE	

SIZE	DRAWING NUMBER	SHEET
B	035482LN	1 OF 1

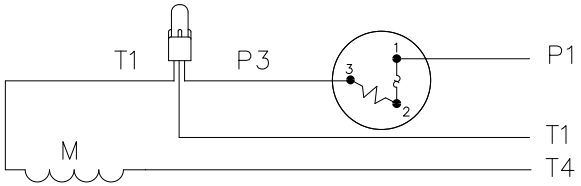
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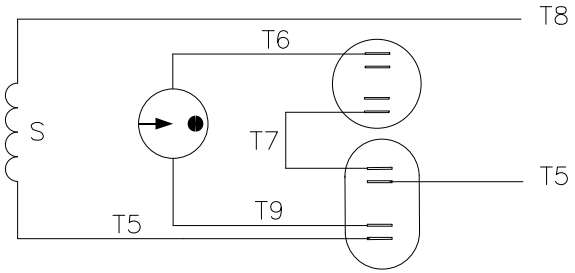
VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



* THIS LEAD MAY BE WHITE

LINE LEADS





ROTATION FACING LEAD END	L1	L2	JOIN
C.C.W.	P1	T4,T5	T1,T8
C.W.	P1	T4,T8	T1,T5

DRAWING REVISION: C	REVISION BY: SV	REV DATE/ © DATE: 08/07/2026
REQUEST NUMBER: CR-0027273	APPROVED BY: RMS	DATE: 08/07/2026
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

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DRAWN BY: WLW	
DATE: 08/30/76	
APPROVED BY: WRK	
DATE: 09/24/76	
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
EXTERNAL WIRING DIAGRAM
TYPE "K" W/ PROTECTOR

MATERIAL	PROCESS/FINISH	SIZE	DRAWING NUMBER	SHEET
DECAL - 004015		A	005056-03LN	1 OF 1