marathon®

Crop Dryer Motors

Model No: 141311.00
Catalog No: 141311.00

Crop Dryer Motor, 10 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, 215TZ Frame, TEFC

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Product Information Packet: Model No: 141311.00, Catalog No: 141311.00 Crop Dryer Motor, 10 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, 215TZ Frame, TEFC

Nameplate Specifications

Phase	**1**	Output HP	**10 Hp**
Output KW	**7.5 kW**	Voltage	**230 V**
Speed	**1740 r/min**	Synchronous RPM	**1800 r/min**
Service Factor	**1.15**	Frame	**215TZ**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**86.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**40.0 A**
Power Factor	**95**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**NO DESIGN CODE**
KVA Code	**G**	Drive End Bearing Size	**6209**
Opp Drive End Bearing Size	**6206**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**43**	Number of Speeds	**1**

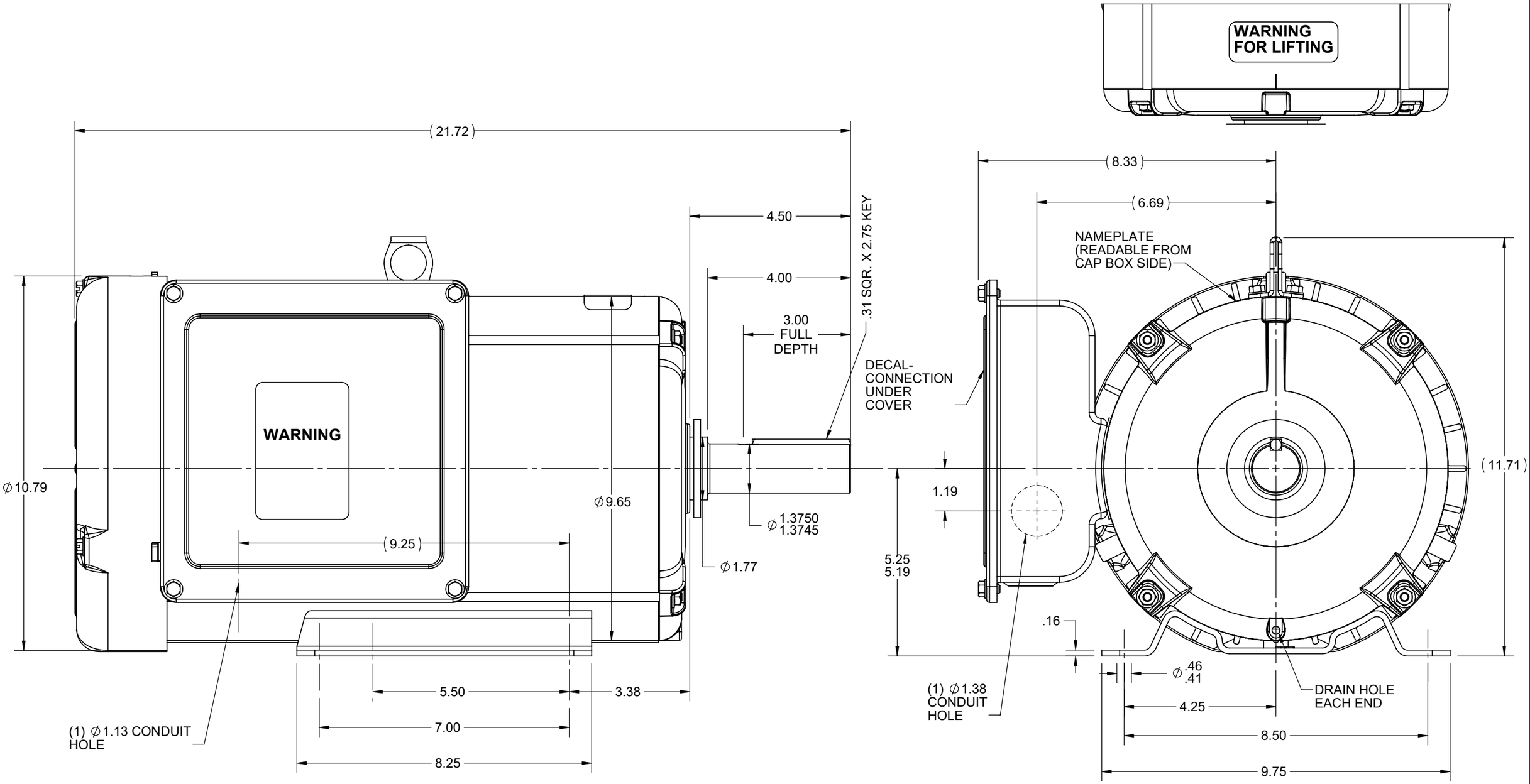
Technical Specifications

Electrical Type	**Capacitor Start Capacitor Run**	Starting Method	**Across The Line**
Poles	**4**	Rotation	**Selective Counterclockwise**
Resistance Main	**.118 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	**21.72 in**
Frame Length	**14.0 in**	Shaft Diameter	**1 3/8 in**
Shaft Extension	**4.5 in**	Assembly/Box Mounting	**F1 Only**

Drawings

Connection Drawing	**005462.02**	Outline Drawing	**OL141311**

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GASKETS THROUGHOUT

DRAWING REVISION	REVISION BY	REV DATE/© DATE
D	SB	07/30/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-023600	SBD	07/30/2025

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±7' 30"
.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: 200 / 5.1 / INCH / mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

DRAWN BY	
LST	
DATE	
9/23/15	
APPROVED BY	
DATE	
REFERENCE	MATERIAL / PROCESS/FINISH
LM31754 / 140581.00	
THIRD ANGLE PROJECTION	SIZE: B

marathon™

DESCRIPTION
OUTLINE
140581.00 W / TEST ROTOR/SHAFT ASSY'.

DRAWING NUMBER: OL141311
SHEET: 1 OF 1