marathon®

General Purpose Motors

Model No: 140678.00
Catalog No: 140678.00

General Purpose Motor, 10 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, 215TC Frame, TEFC

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Product Information Packet: Model No: 140678.00, Catalog No: 140678.00 General Purpose Motor, 10 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, 215TC 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	**215TC**
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	**6207**
Opp Drive End Bearing Size	**6206**	UL	**Recognized**
CSA	**Y**	CE	**N**
IP Code	**43**	Number of Speeds	**1**

Technical Specifications

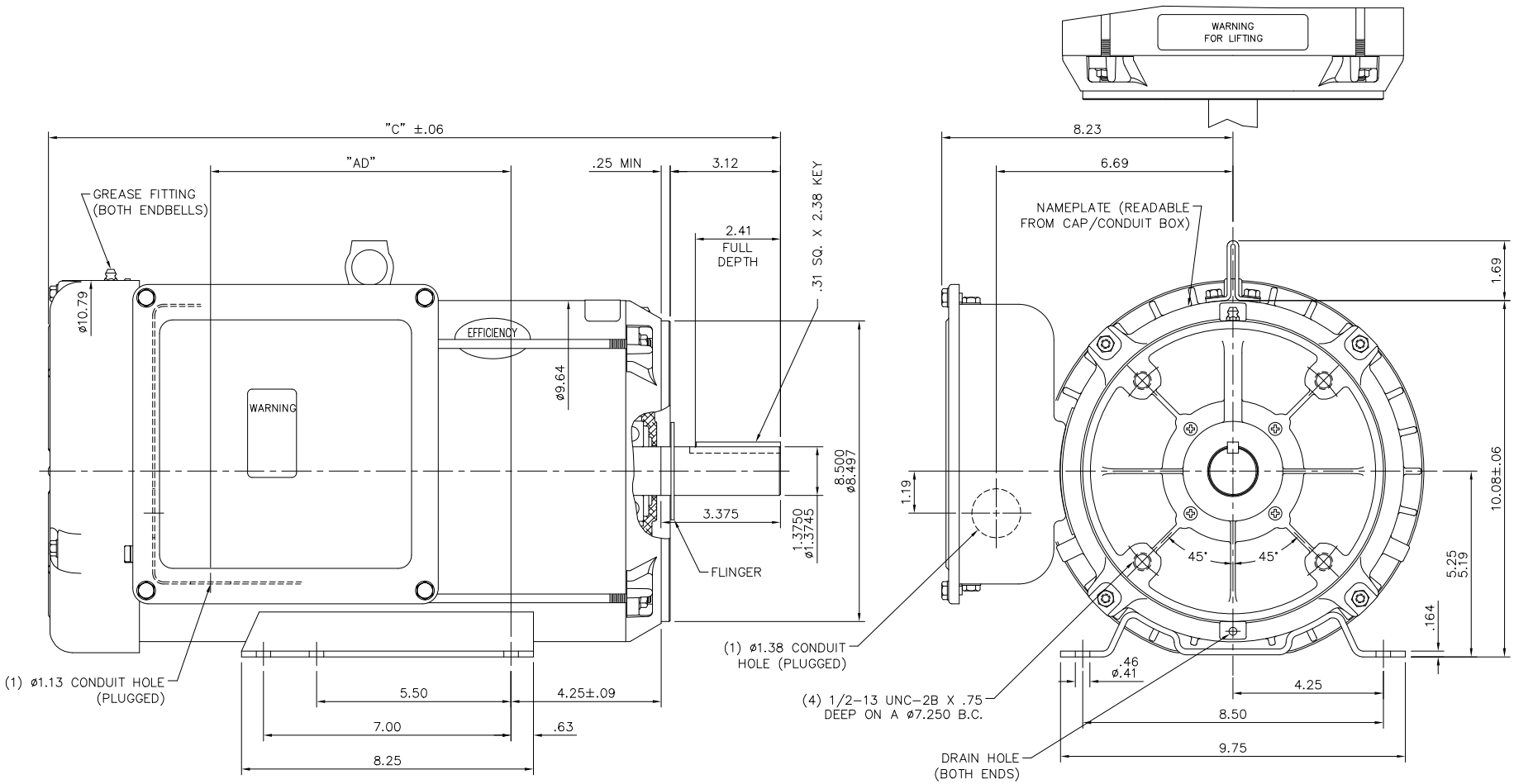
Electrical Type	**Capacitor Start Capacitor Run**	Starting Method	**Across The Line**
Poles	**4**	Rotation	**Selective Counterclockwise**
Resistance Main	**.118 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Overall Length	**20.71 in**
Frame Length	**14.0 in**	Shaft Diameter	**1 3/8 in**
Shaft Extension	**3.38 in**	Assembly/Box Mounting	**F1 Only**

Drawings

Connection Drawing	**005462.02**	Outline Drawing	**037597-1400**

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GASKETS THROUGHOUT

MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.
PERMISSIBLE SHAFT RUNOUT TO BE .002 T.I.R.
ALIGN BASE TO C-FACE MOUNTING HOLES WITHIN ±1/16"

DASH NO.	"C"	"AD"
1200	18.71	6.50
1250	19.21	7.00
1300	19.71	7.50
1350	20.21	8.00
1400	20.71	8.50
1450	21.21	9.00
1500	21.71	9.50

DRAWING REVISION	REVISION BY	REV DATE/ © DATE
D	SB	07/30/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0023600	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	RDW
DATE	06/20/02
APPROVED BY	SW
DATE	06/20/02
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™

DESCRIPTION
OUTLINE
210TC FRAME - TEFC - RIGID "C"

MATERIAL | PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
B	037597	1 OF 1