marathon®

Severe Duty Motors

Model No: 445TTFN6591
Catalog No: E407

Severe Duty Motor, 150 HP, 3 Ph, 60 Hz, 575 V, 1200 RPM, 445T Frame, TEFC

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Product Information Packet: Model No: 445TTFN6591, Catalog No: E407 Severe Duty Motor, 150 HP, 3 Ph, 60 Hz, 575 V, 1200 RPM, 445T Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**150 Hp**
Output KW	**112.0 kW**	Voltage	**575 V**
Speed	**1190 r/min**	Synchronous RPM	**1200 r/min**
Service Factor	**1.15**	Frame	**445T**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**95.8 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**145.0 A**
Power Factor	**81**	Duty	**Continuous**
Insulation Class	**H1**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**NU318**
Opp Drive End Bearing Size	**6316**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**54**	Hazardous Location	**DIVISION 2 T2B**

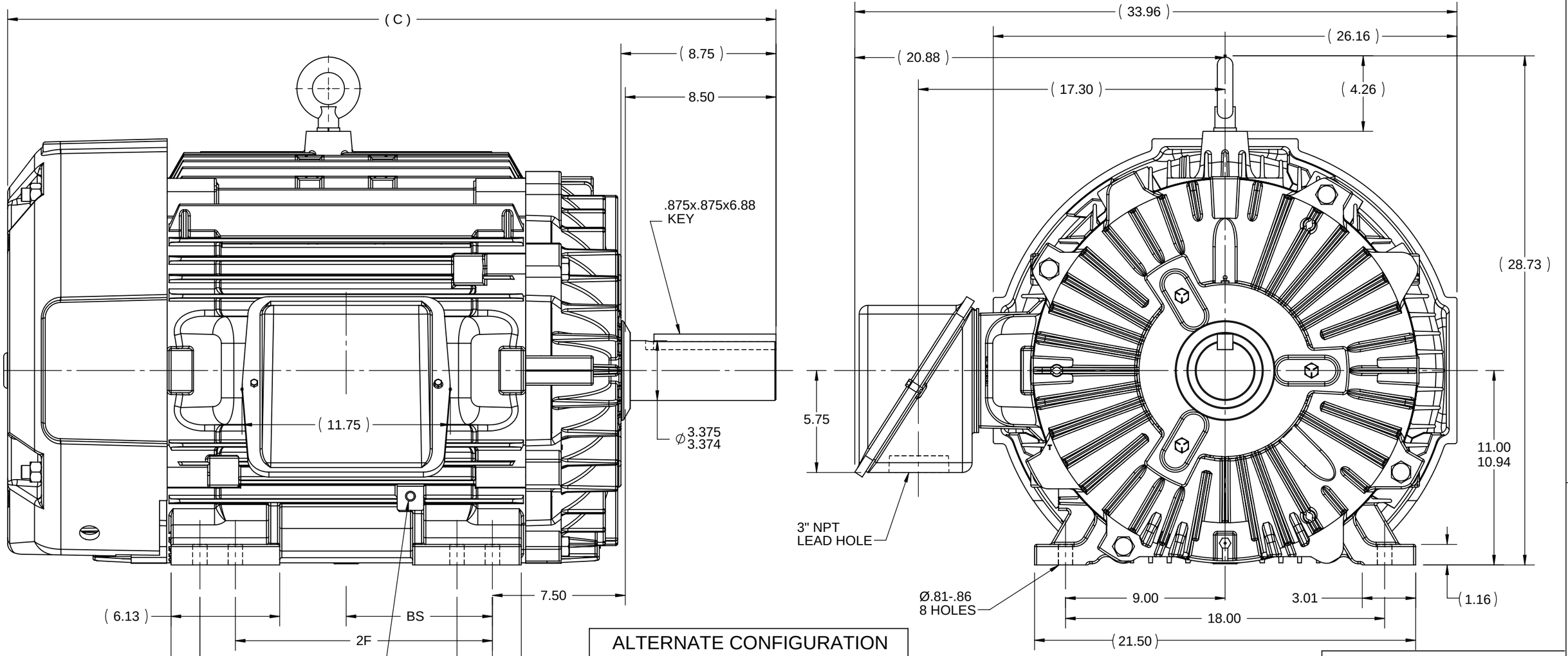
Technical Specifications

Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**6**	Rotation	**Reversible**
Resistance Main	**.022 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Roller**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**T**	Overall Length	**43.34 in**
Frame Length	**20.5 in**	Shaft Diameter	**3 3/8 in**
Shaft Extension	**8.75 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Constant 2:1**		

Drawings

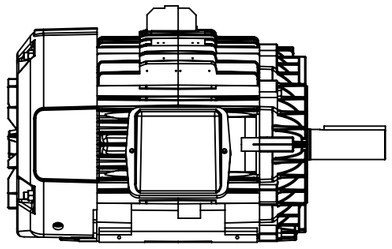
Connection Drawing	**A-EE7300U**	Outline Drawing	**SS513797-2025**

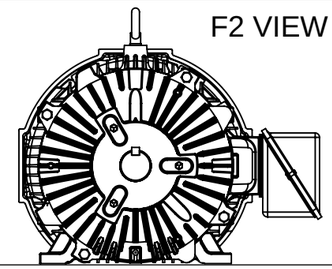
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NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

ALTERNATE CONFIGURATION





DASH	FRAME	B	C	2F	2FF	BS
1825	444T	17.75	41.34	14.50	- - -	7.25
2025	444/445T	19.75	43.34	14.50	16.50	8.25

DRAWING REVISION: D	REVISION BY: SB	REV DATE/© DATE: 06/08/2026
REQUEST NUMBER: CR-0026536	APPROVED BY: RMS	DATE: 06/08/2026
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	JL
DATE	06-28-1991
APPROVED BY	AAL
DATE	12-02-1991
REFERENCE	

marathon™

DESCRIPTION: OUTLINE
444/445T FR.-STD.

MATERIAL | PROCESS/FINISH

THIRD ANGLE PROJECTION

SIZE	DRAWING NUMBER	SHEET
B	SS513797	1 OF 1