marathon®

General Purpose Motors

Model No: LM32807
Catalog No: LM32807

General Purpose Motor, 7.50 HP, 3 Ph, 60 Hz, 230/460 V, 900 RPM, 256T Frame, TEFC

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Product Information Packet: Model No: LM32807, Catalog No: LM32807 General Purpose Motor, 7.50 HP, 3 Ph, 60 Hz, 230/460 V, 900 RPM, 256T Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**7.50 Hp**
Output KW	**5.6 kW**	Voltage	**230/460 V**
Speed	**872 r/min**	Synchronous RPM	**900 r/min**
Service Factor	**1.15**	Frame	**256T**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**86.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**23.0/11.5 A**
Power Factor	**70**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6309**
Opp Drive End Bearing Size	**6208**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**43**	Number of Speeds	**1**

Technical Specifications

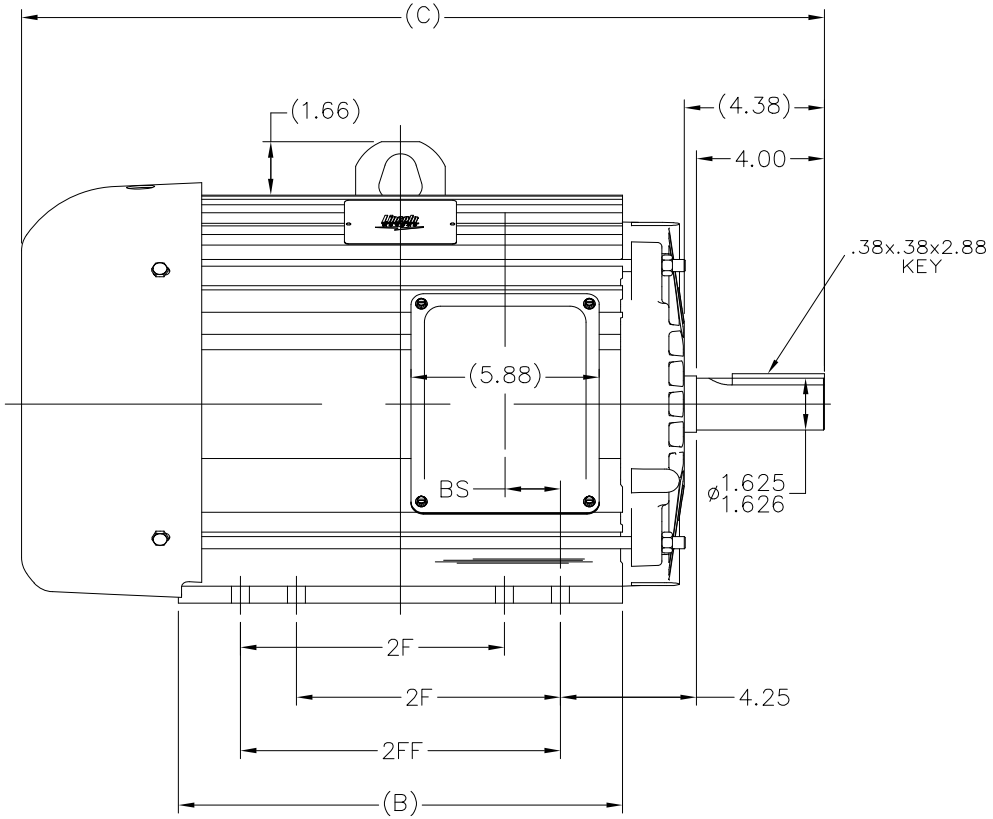
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**8**	Rotation	**Reversible**
Mounting	**Rigid Base**	Motor Orientation	**Horizontal**
Drive End Bearing	**Ball**	Opp Drive End Bearing	**Ball**
Frame Material	**Aluminum**	Shaft Type	**T**
Overall Length	**25.15 in**	Frame Length	**13.75 in**
Shaft Diameter	**1 5/8 in**	Shaft Extension	**4 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Variable 10:1**

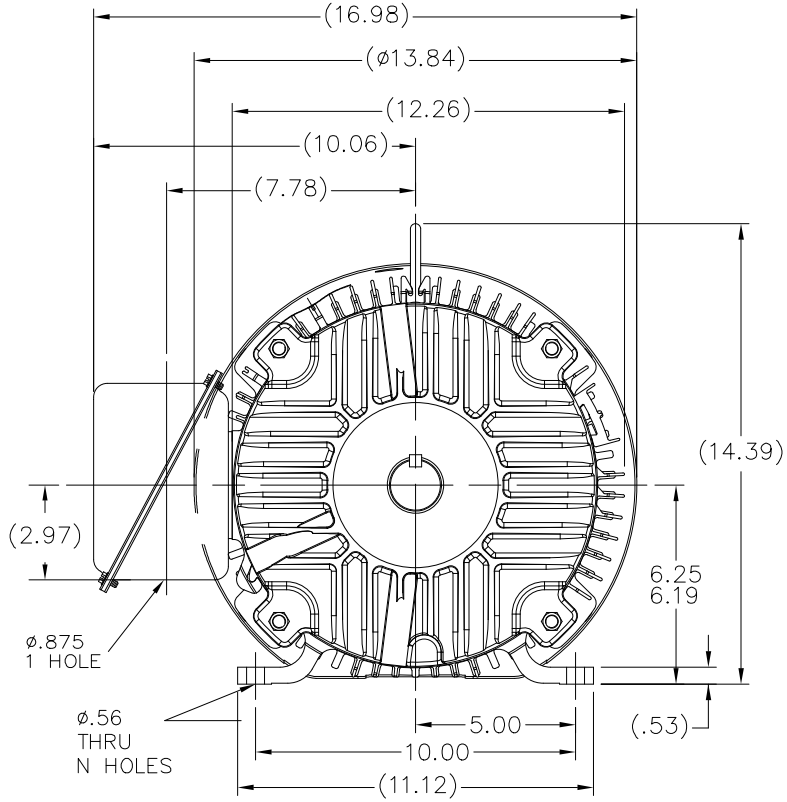
Drawings

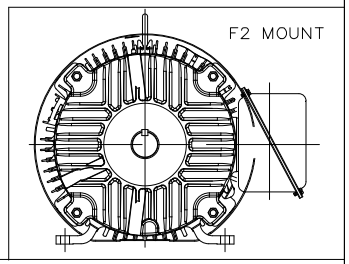
Connection Drawing	**EE7308**	Outline Drawing	**SS321100LN-1375**

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NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FR.	C	B	BS	2F	2FF	N
1200	254T	23.40	12.13	1.73	8.25		4
1375	254/6T	25.15	13.88	1.73	8.25	10.00	8

DRAWING REVISION	REVISION BY	REV DATE/ © DATE
F	SB	04/22/2026
REQUEST NUMBER	APPROVED BY	DATE
CR-0026044	RMS	04/22/2026

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±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/ INCH 5.1/ mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

DRAWN BY	MJK
DATE	03/29/2004
APPROVED BY	JPL
DATE	03/29/2004
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™

DESCRIPTION
OUTLINE
250T FR - ALUM. FR. - TEFC

MATERIAL | PROCESS/FINISH

SIZE B | DRAWING NUMBER SS321100LN | SHEET 1 OF 1