marathon®

General Purpose Motors

Model No: LM32839
Catalog No: LM32839

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

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Product Information Packet: Model No: LM32839, Catalog No: LM32839 General Purpose Motor, 7.50 HP, 3 Ph, 60 Hz, 230/460 V, 900 RPM, 256TC 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	**256TC**
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**

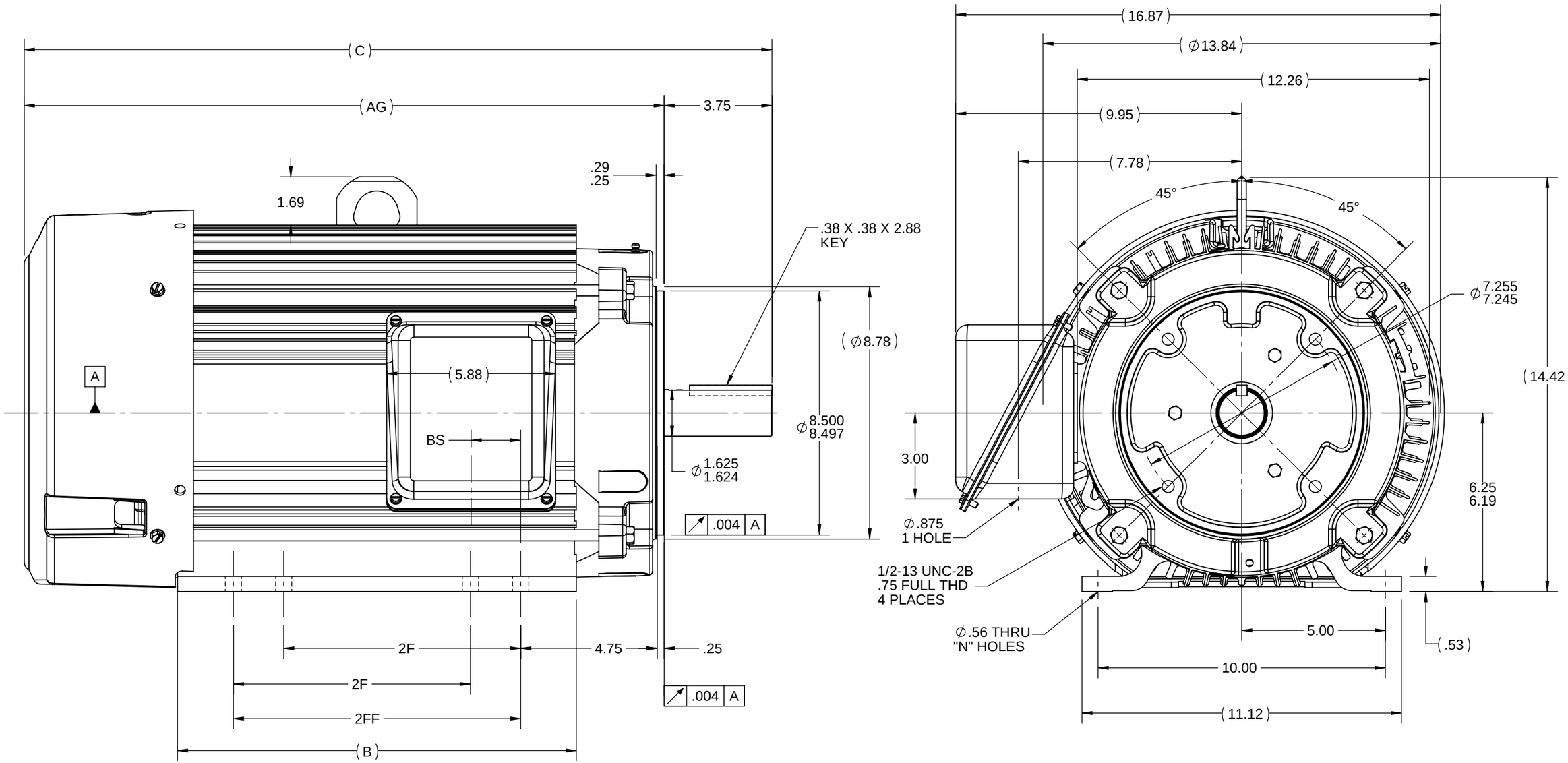
Technical Specifications

Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
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	**25.75 in**	Frame Length	**13.75 in**
Shaft Diameter	**1 5/8 in**	Shaft Extension	**3.75 in**
Assembly/Box Mounting	**F1/F2 Capable**		

Drawings

Connection Drawing	**EE7308-LN**	Outline Drawing	**SS321103LN-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	FRAME	C	B	BS	2F	2FF	AG	N
1200	254TC	24.28	12.13	1.73	8.25	---------	20.53	4
1375	254/6TC	26.03	13.88	1.73	8.25	10.00	22.28	8

DRAWING REVISION	REVISION BY	REV DATE/© DATE
C	SB	05/27/2026
REQUEST NUMBER	APPROVED BY	DATE
CR-0026396	RMS	05/27/2026

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

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CTO	
DATE	
05-11-2004	
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TB	
DATE	
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DESCRIPTION
OUTLINE
250TC FR - ALUM FR - TEFC

MATERIAL | PROCESS/FINISH

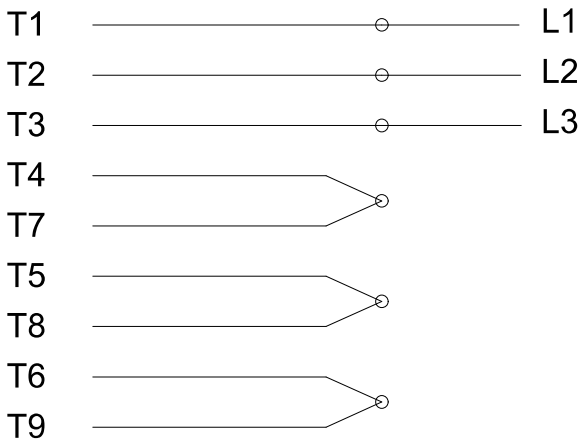
THIRD ANGLE PROJECTION

SIZE	DRAWING NUMBER	SHEET
B	SS321103LN	1 OF 1

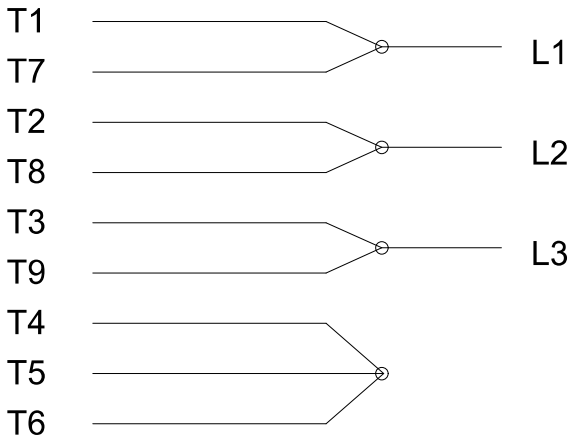
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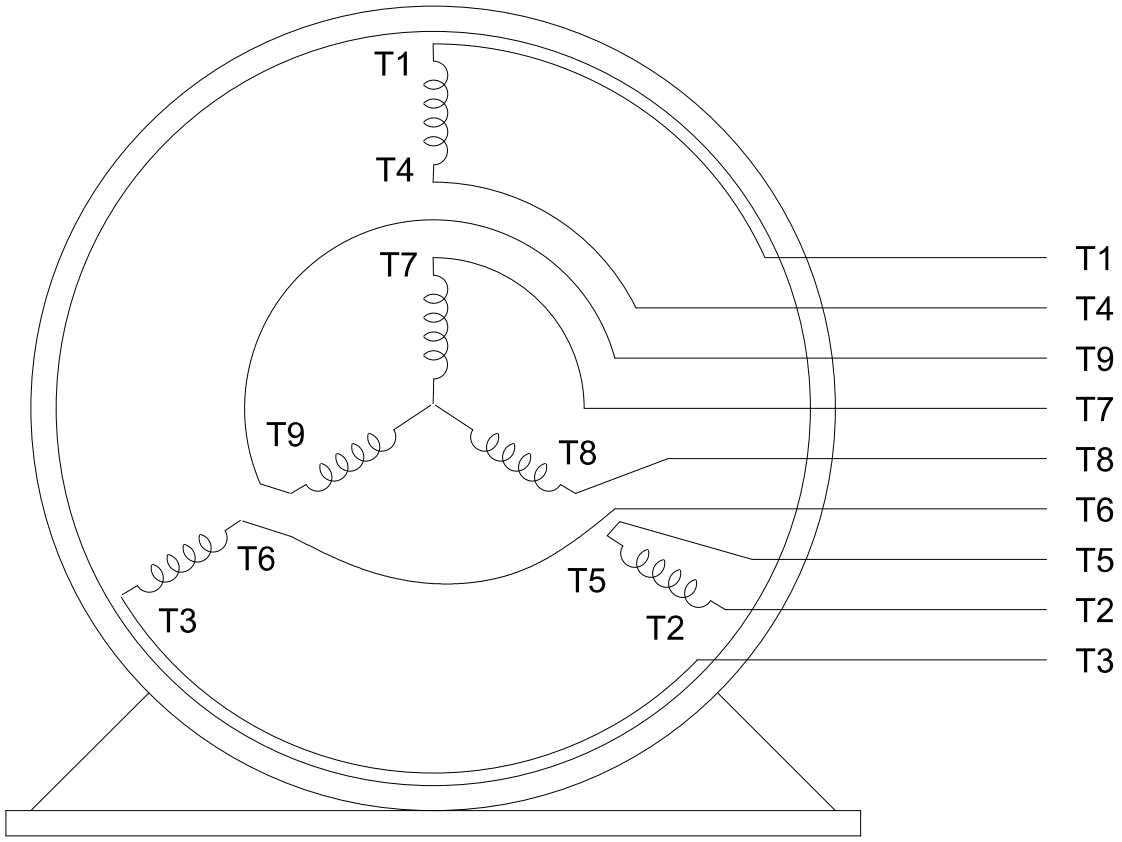
THREE PHASE DUAL VOLTAGE MOTOR

HIGH VOLTAGE



LOW VOLTAGE





VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD CONNECTION

L1	WHITE
L2	RED
L3	BLACK

DRAWING REVISION: F	REVISION BY: SV	REV DATE/ © DATE: 05/12/2026
REQUEST NUMBER: CR-0026249	APPROVED BY: RMS	DATE: 05/12/2026

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REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
CONNECTION DIAGRAM
3Ø DUAL VOLTAGE MOTOR

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	EE7308-LN 4 of 4	1 OF 1