marathon®

General Purpose Motors

Model No: LM16767
Catalog No: LM16767

General Purpose Motor, 20 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 380-415 V, 1800 RPM, 256TC Frame, TEFC

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Product Information Packet: Model No: LM16767, Catalog No: LM16767 General Purpose Motor, 20 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 380-415 V, 1800 RPM, 256TC Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**20 & 20 Hp**
Output KW	**14.9 & 14.9 kW**	Voltage	**230/460 & 380-415 V**
Speed	**1775 & 1450 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.25 & 1.00**	Frame	**256TC**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**93 & 91.7 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**48/24.1 & 28.5-27 A**
Power Factor	**84**	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**

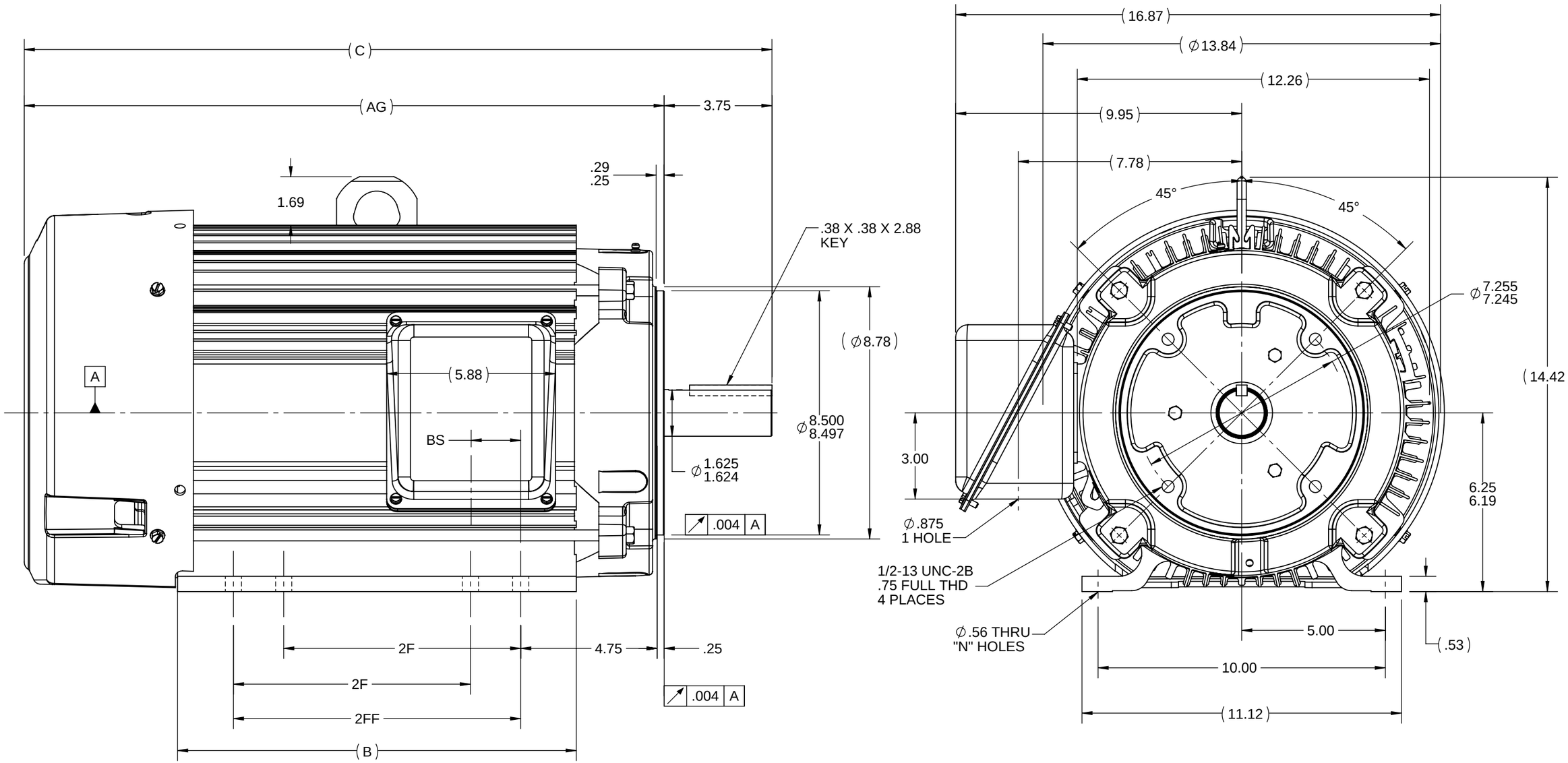
Technical Specifications

Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.474 O**	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	**4 in**	Assembly/Box Mounting	**F1/F2 Capable**

Drawings

Connection Drawing	**EE7308K**	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 / 5.1 / INCH / mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

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THIRD ANGLE PROJECTION	

marathon™

DESCRIPTION
OUTLINE
250TC FR - ALUM FR - TEFC

MATERIAL | PROCESS/FINISH

SIZE B | DRAWING NUMBER SS321103LN | SHEET 1 OF 1