marathon®

General Purpose Motors

Model No: LM16755
Catalog No: LM16755

General Purpose Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 215TC Frame, TEFC

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Product Information Packet: Model No: LM16755, Catalog No: LM16755 General Purpose Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 215TC Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**10 & 7.50 Hp**
Output KW	**7.5 & 5.6 kW**	Voltage	**230/460 & 190/380 V**
Speed	**3535 & 2950 r/min**	Synchronous RPM	**3600 & 3000 r/min**
Service Factor	**1.25 & 1.15**	Frame	**215TC**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**91.7 & 92 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**23.6/11.8 & 21/10.5 A**
Power Factor	**87**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**H**	Drive End Bearing Size	**6208**
Opp Drive End Bearing Size	**6206**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**43**	Number of Speeds	**1**

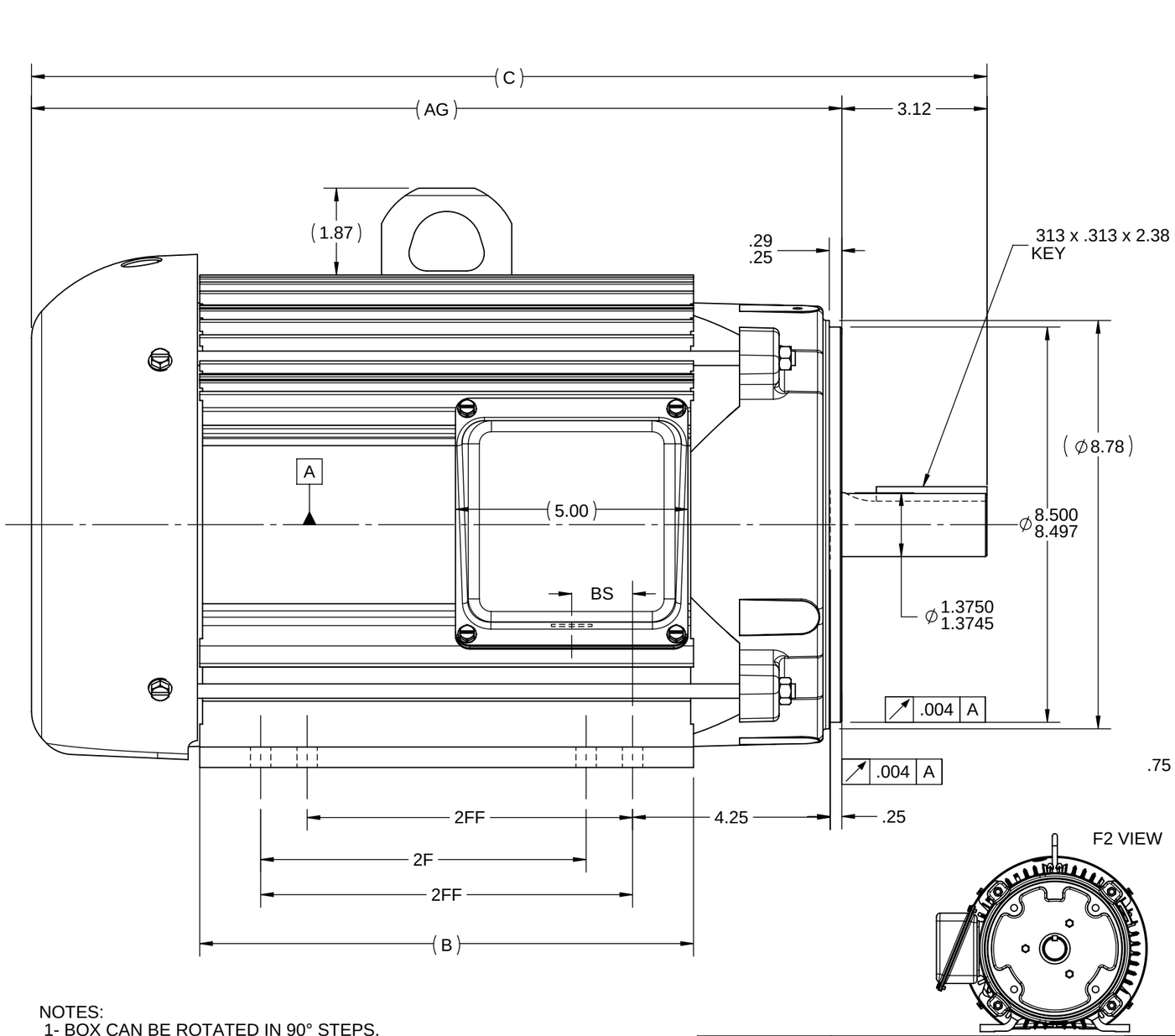
Technical Specifications

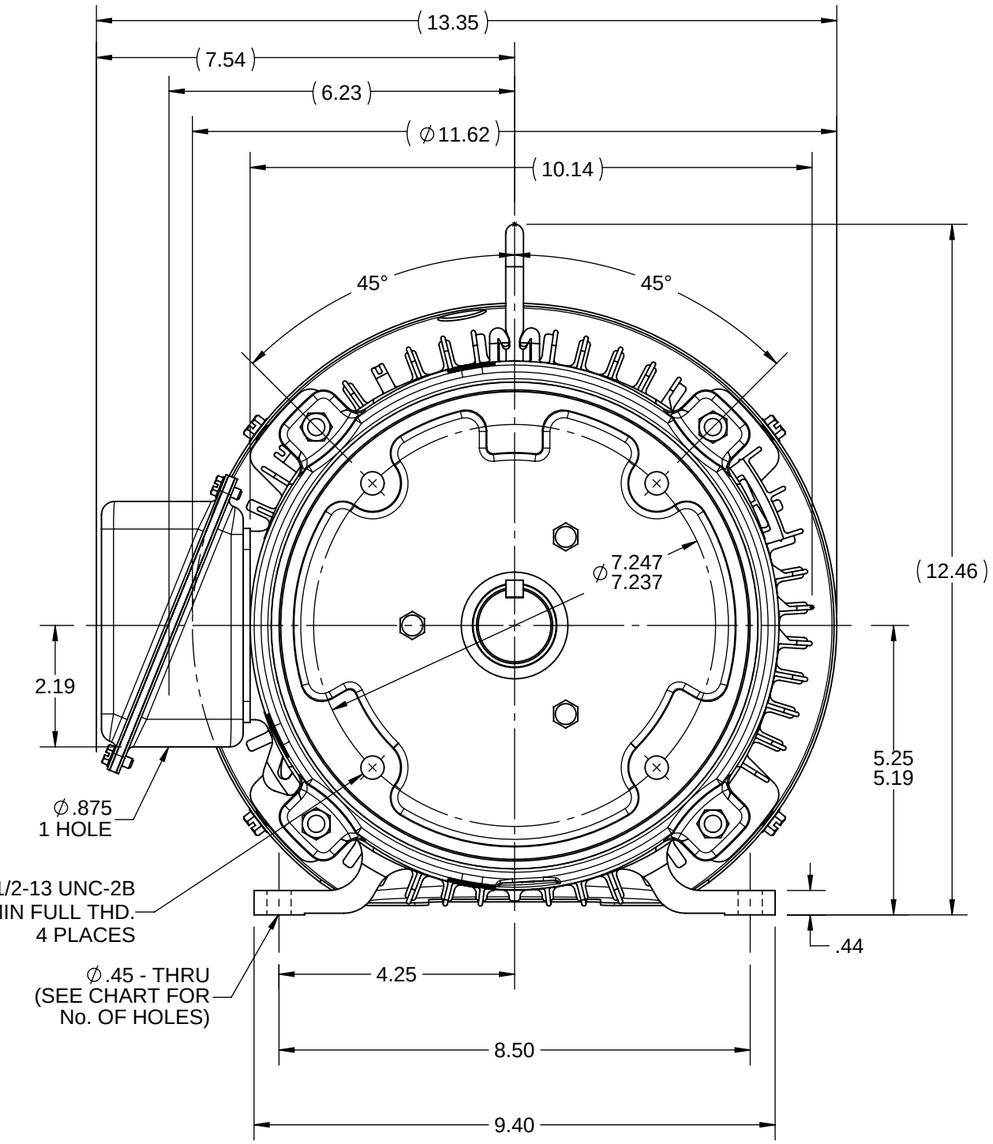
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**2**	Rotation	**Reversible**
Resistance Main	**.8 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Aluminum**
Shaft Type	**T**	Overall Length	**20.57 in**
Frame Length	**10.5 in**	Shaft Diameter	**1 3/8 in**
Shaft Extension	**3.12 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Variable 20:1**		

Drawings

Connection Drawing	**EE7308**	Outline Drawing	**SS330102LN-1050**

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F2 VIEW

NOTES:
1- BOX CAN BE ROTATED IN 90° STEPS.
2- NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.

DASH	FRAME	B	C	AG	2F	2FF	BS	No. OF MTG HOLES
800	213TC	8.12	18.07	14.95	5.50	- - -	1.33	4
950	213/5TC	9.62	19.57	16.45	5.50	7.00	1.33	8
1050	215TC	10.65	20.57	17.45	7.00	8.00	1.33	8

DRAWING REVISION	REVISION BY	REV DATE/© DATE
G	SV	05/26/2026
REQUEST NUMBER	APPROVED BY	DATE
CR-0026396	RMS	05/26/2026

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	08-30-2004
APPROVED BY	JPL
DATE	09-02-2004
REFERENCE	

marathon™

DESCRIPTION
OUTLINE
210TC FR - ALUM FR - TEFC

MATERIAL | PROCESS/FINISH

THIRD ANGLE PROJECTION

SIZE	DRAWING NUMBER	SHEET
B	SS330102LN	1 OF 1