

# PRODUCT INFORMATION PACKET

Model No: SCA1321A1113GAA001

Catalog No: SCA1321A1113GAA001

TerraMAX® Cast Iron Motor, 175 HP, 3 Ph, 50 Hz, 400 V, 3000 RPM, 315M Frame, TEFC



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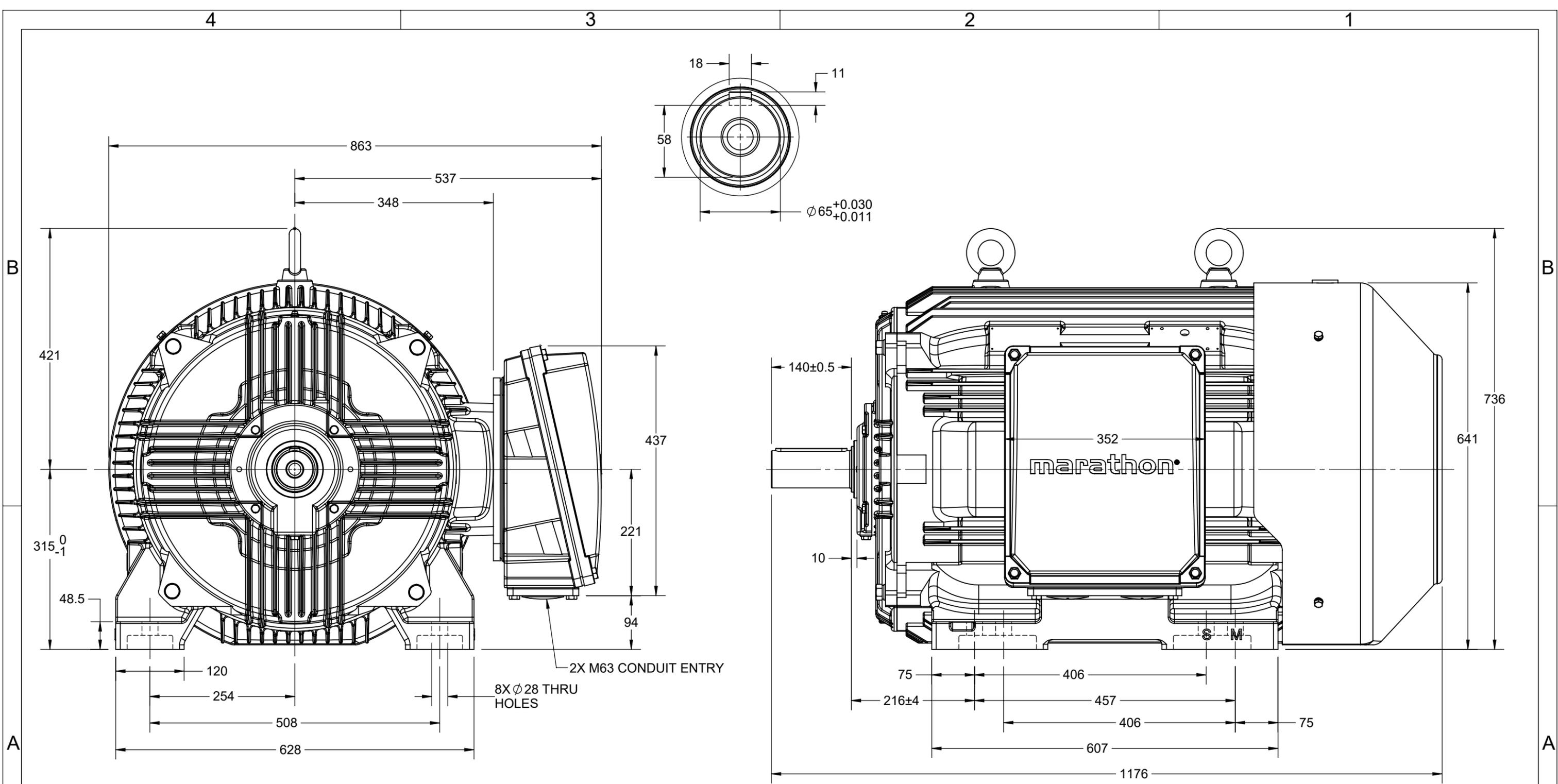
### Nameplate Specifications

Output HP	<b>175 Hp</b>	Output KW	<b>132.0 kW</b>
Frequency	<b>50 Hz</b>	Voltage	<b>400 V</b>
Current	<b>221.3 A</b>	Speed	<b>2980 rpm</b>
Service Factor	<b>1</b>	Phase	<b>3</b>
Efficiency	<b>94.6 %</b>	Power Factor	<b>0.91</b>
Duty	<b>S1</b>	Insulation Class	<b>F</b>
Frame	<b>315M</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6316</b>	Opp Drive End Bearing Size	<b>6316</b>
UL	<b>No</b>	CSA	<b>No</b>
CE	<b>Yes</b>	IP Code	<b>55</b>
Number of Speeds	<b>1</b>	Efficiency Class	<b>IE2</b>

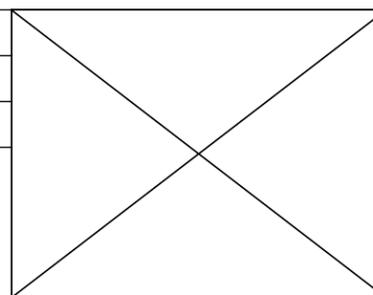
### Technical Specifications

Electrical Type	<b>Squirrel Cage</b>	Starting Method	<b>Direct On Line</b>
Poles	<b>2</b>	Rotation	<b>Bi-Directional</b>
Mounting	<b>B3</b>	Motor Orientation	<b>Horizontal</b>
Drive End Bearing	<b>C3</b>	Opp Drive End Bearing	<b>C3</b>
Frame Material	<b>Cast Iron</b>	Shaft Type	<b>Keyed</b>
Overall Length	<b>1176 mm</b>	Frame Length	<b>729 mm</b>
Shaft Diameter	<b>65 mm</b>	Shaft Extension	<b>140 mm</b>
Assembly/Box Mounting	<b>R Side</b>		
Outline Drawing	<b>0231501360</b>	Connection Drawing	<b>8442000085</b>

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DRAWING REVISION C	REVISION BY LK	DATE 04/09/2020
ECO CR-0000087	APPROVED BY JAY	DATE 04/09/2020
ECO DESCRIPTION <b>MODEL UPDATED</b>		
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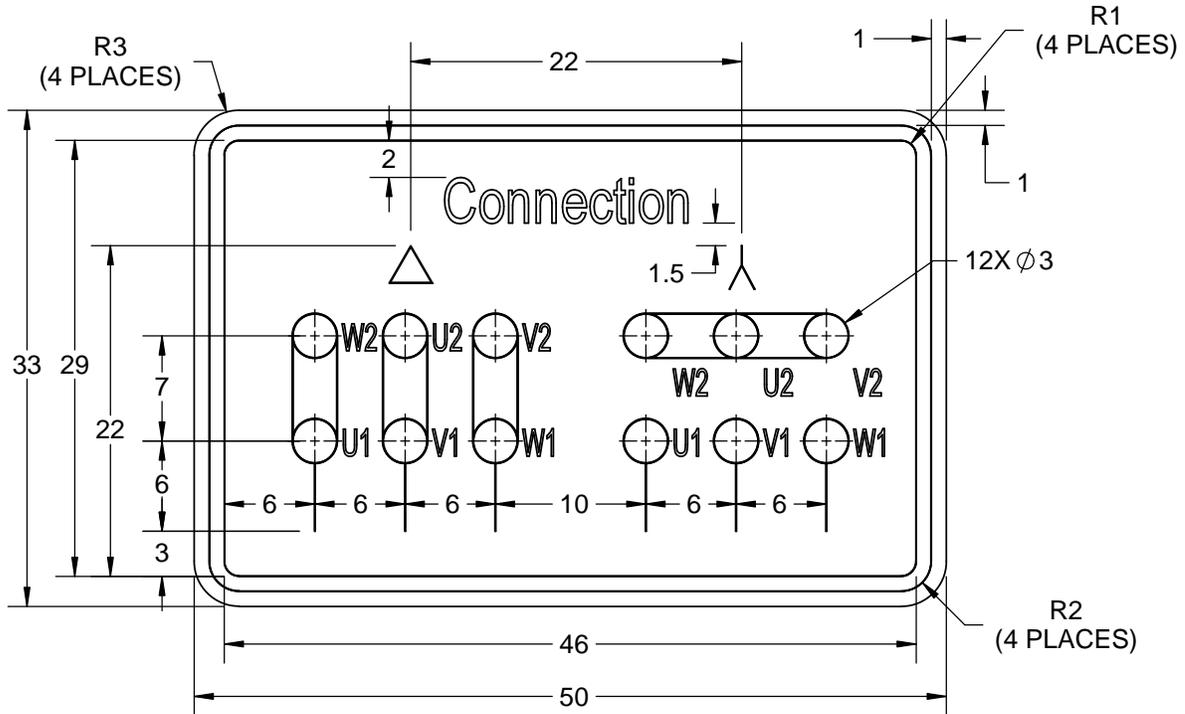


DRAWN BY SKM	<b>marathon™</b> Motors	
DATE 08/11/2017		
APPROVED BY JAY	DESCRIPTION <b>OUTLINE</b> 315S/M-2P-B3	
DATE 08/11/2017	MATERIAL	PROCESS/FINISH
REFERENCE	SIZE B	DRAWING NUMBER 0231501360
THIRD ANGLE PROJECTION	SHEET 1 OF 1	

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DRAWING REVISION <b>A</b>	REVISION BY <b>SN</b>	DATE <b>13/01/2017</b>
ECO <b>ECO-0116390</b>	APPROVED BY <b>SBD</b>	DATE <b>13/01/2017</b>
ECO DESCRIPTION <b>NEW DRAWING RELEASE</b>		

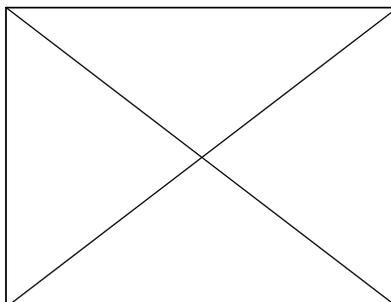
GEOMETRIC TOLERANCE		
LINEAR DIM	>0~6	±0.1
	>6~30	±0.2
	>30~120	±0.3



**NOTES:**

1. PRESSURE-SENSITIVE ADHESIVE COATED PAPER ON THE BACK OF SELF-ADHESIVE.
2. AT THE END OF YELLOW, WORDS, SYMBOLS, LETTERS ARE BLACK, BORDER IS BLACK.
3. THE TOLERANCE OF THE LINEAR SIZE OF THE TOLERANCE WITHOUT THE TOLERANCE BY THE TABLE.

8WD.442.2017



DRAWN BY <b>SN</b>	REGAL™ Regal Beloit America, Inc.			
	DATE <b>16/12/2016</b>	DESCRIPTION <b>CONN DIAGRAM-NAMEPLATE</b>		
	APPROVED BY <b>SBD</b>			
	DATE <b>16/12/2016</b>			
	REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE <b>A</b>	DRAWING NUMBER <b>8442000085</b>	SHEET <b>1 OF 1</b>	