

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 1009409-BR

Catalog No: 1009409

TerraMAX® Cast Iron Motor, 350 HP, 3 Ph, 60 Hz, 380 V, 3600 RPM, 355M/L Frame, TEFC



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**RegalRexnord**

### Nameplate Specifications

Output HP	<b>350 Hp</b>	Output KW	<b>260.0 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>380 V</b>
Current	<b>451.8 A</b>	Speed	<b>3581 rpm</b>
Service Factor	<b>1.25</b>	Phase	<b>3</b>
Efficiency	<b>95.8 %</b>	Power Factor	<b>0.9</b>
Duty	<b>S1</b>	Insulation Class	<b>F</b>
Frame	<b>355M/L</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>6317</b>	Opp Drive End Bearing Size	<b>6317</b>
UL	<b>No</b>	CSA	<b>No</b>
CE	<b>No</b>	IP Code	<b>55</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage</b>	Starting Method	<b>Direct On Line</b>
Poles	<b>2</b>	Rotation	<b>Clockwise</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</b>	Shaft Type	<b>Keyed</b>
Overall Length	<b>1512 mm</b>	Frame Length	<b>1010 mm</b>
Shaft Diameter	<b>65 mm</b>	Shaft Extension	<b>140 mm</b>
Assembly/Box Mounting	<b>TOP</b>		
Outline Drawing	<b>0235501824</b>		

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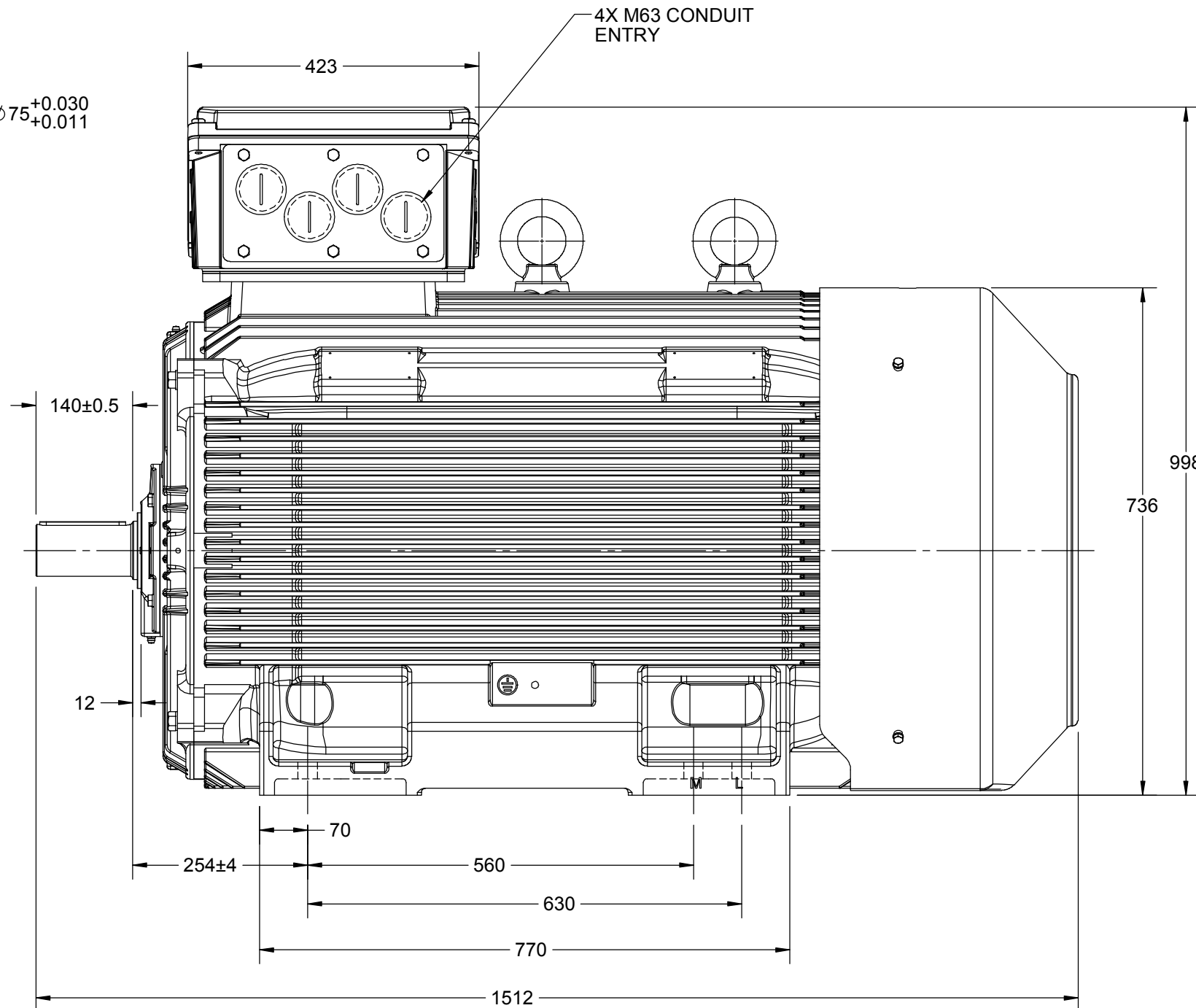
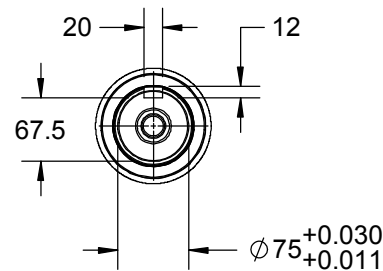
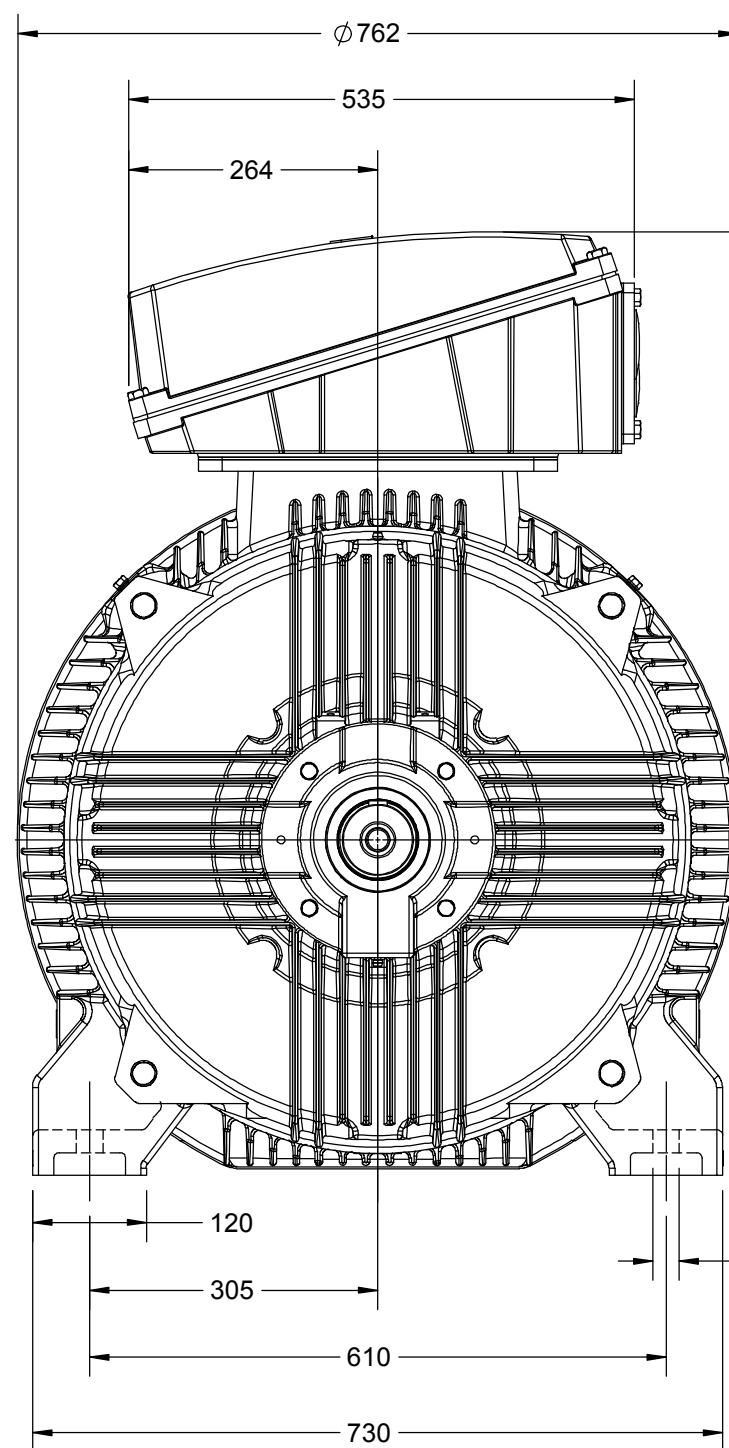
# OUTLINE

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B

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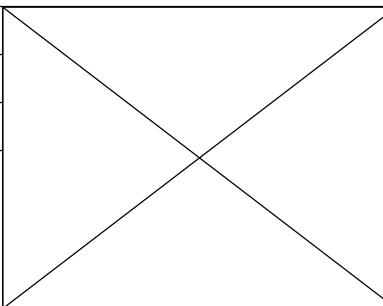
A



6X Ø 28 THRU HOLES

4X M63 CONDUIT ENTRY

DRAWING REVISION D	REVISION BY NIV	DATE 08/05/2019
ECO ECO-0165600	APPROVED BY SR	DATE 08/05/2019
ECO DESCRIPTION MODEL UPDATED		
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DRAWN BY JOY	<b>marathon™</b> Motors		
DATE 18/07/2014			
APPROVED BY SBD	DESCRIPTION OUTLINE		
DATE 18/07/2014	355FR-2P-B3 MTG. MOTOR TYPE: TCA/QCA		
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER 0235501824	SHEET 1 OF 1

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1

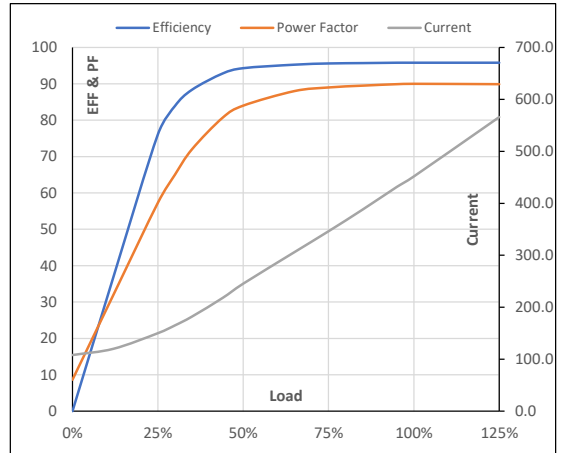
Model No. 1009409

Enclosure	U (V)	Δ / Y Conn	f [Hz]	P [kW]	P [hp]	I [A]	n [RPM]	T [kgm]	T [Nm]	IE Class	Amb [°C]	Duty	Elevation [m]	Inertia [kg-m <sup>2</sup> ]	Weight [kg]
TEFC	380	Δ	60	260	350	451.8	3581	69.95	686.00	IR3	40	S1	1000	17.822	1820

**Motor Load Data**

Load Point		NL	1/4FL	1/2FL	3/4FL	FL	5/4FL
Current	A	108.0	150.0	245.3	346.2	451.8	566.0
Torque	Nm	0.0	173.3	347.0	521.2	686.0	871.2
Speed	r/min	3600	3595	3591	3586	3581	3576
Efficiency	%	0.0	76.1	94.3	95.6	95.8	95.8
Power Factor	%	8.7	57.3	84.0	89.0	90.0	89.9

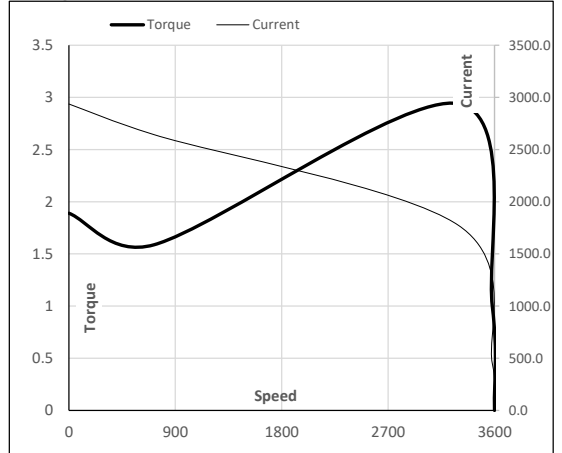
**Performance vs Load Chart**



**Motor Speed Torque Data**

Load Point		LR	P-Up	BD	Rated	NL
Speed	r/min	0	720	3295	3581	3600
Current	A	2936.6	2642.9	1774.0	451.8	108.0
Torque	pu	1.9	1.6	2.9	1	0

**Starting Characteristics Chart**



**NOTE** Refer data sheet for applicable standard and tolerances on performance parameters

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