

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 1011627-BR

Catalog No: 1011627

TerraMAX® Cast Iron Motor, 75 HP, 3 Ph, 60 Hz, 380 V, 1200 RPM, 250S/M Frame, TEFC



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**RegalRexnord**

## Nameplate Specifications

Output HP	75 Hp	Output KW	55.0 kW
Frequency	60 Hz	Voltage	380 V
Current	108.2 A	Speed	1187 rpm
Service Factor	1.25	Phase	3
Efficiency	94.5 %	Power Factor	0.82
Duty	S1	Insulation Class	F
Frame	250S/M	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6314
UL	No	CSA	No
CE	No	IP Code	55
Number of Speeds	1		

## Technical Specifications

Electrical Type	Squirrel Cage	Starting Method	Direct On Line
Poles	6	Rotation	Clockwise
Mounting	B3	Motor Orientation	Horizontal
Drive End Bearing	C3	Opp Drive End Bearing	C3
Frame Material	Cast	Shaft Type	Keyed
Overall Length	941 mm	Frame Length	460 mm
Shaft Diameter	65 mm	Shaft Extension	140 mm
Assembly/Box Mounting	TOP		
Outline Drawing	0225000378		

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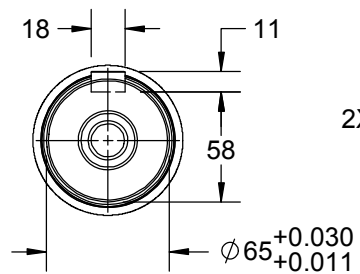
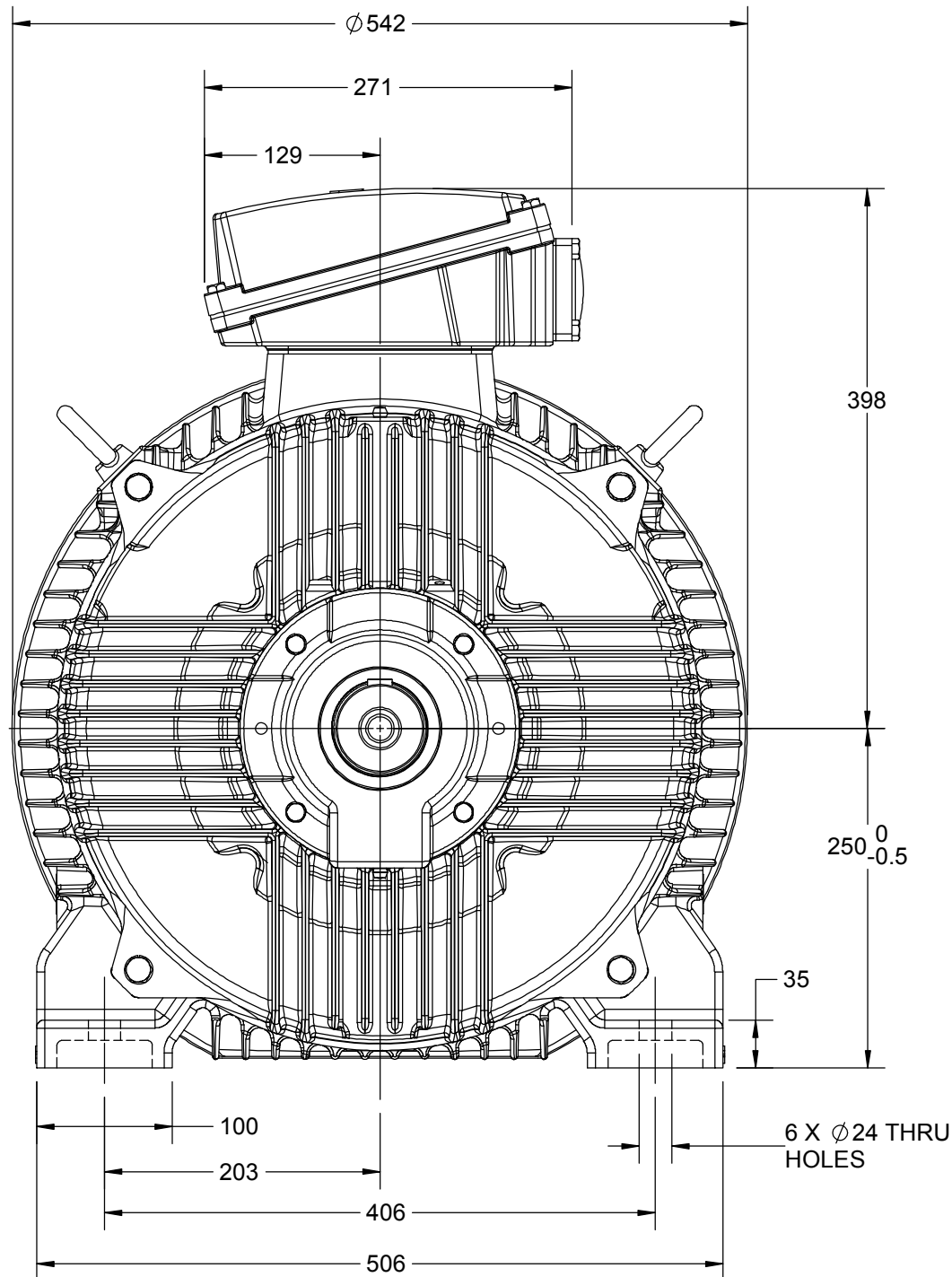
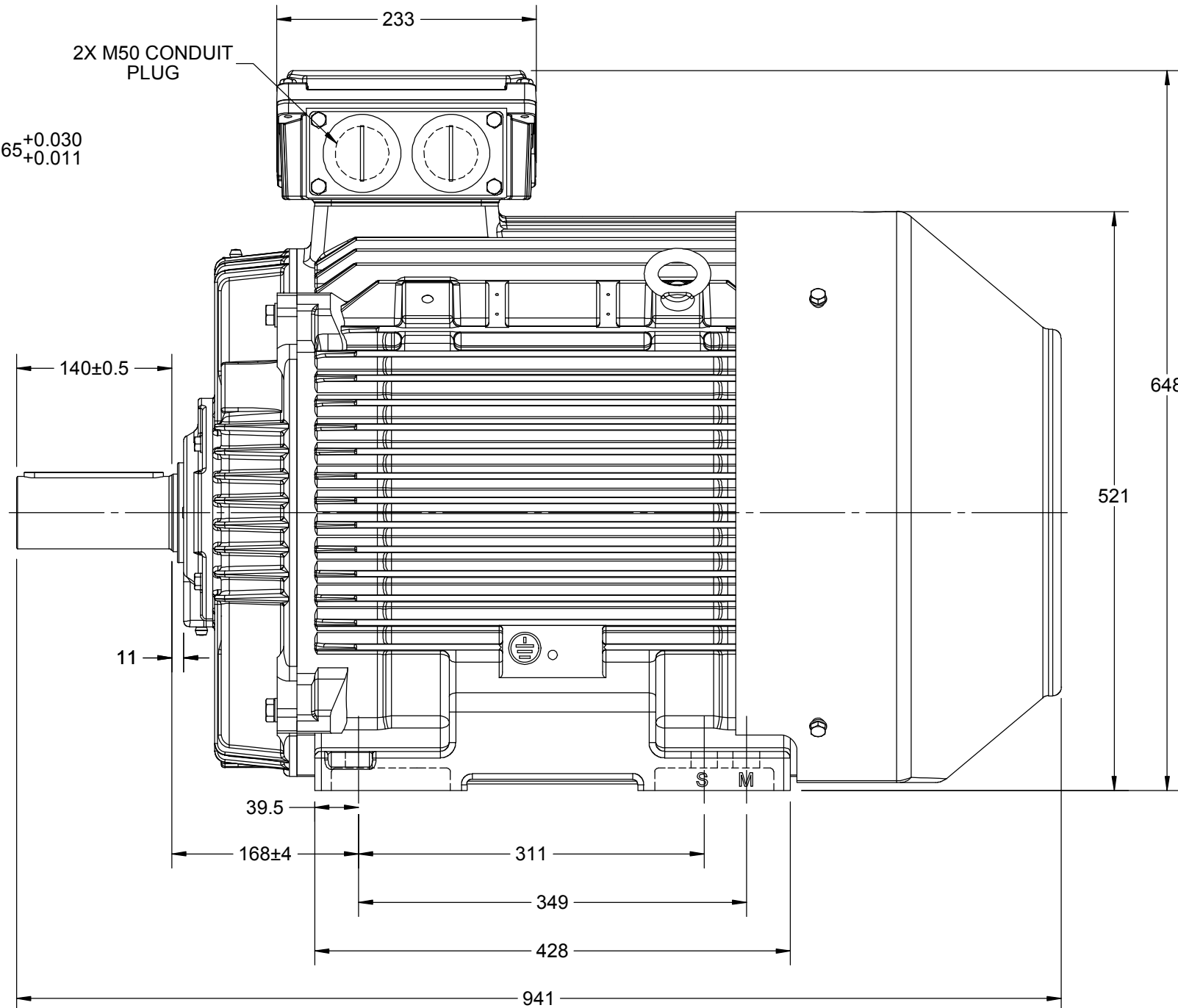
## OUTLINE

B

A

B

A

2X M50 CONDUIT  
PLUG

DRAWING REVISION C	REVISION BY NIV	DATE 29/04/2019
ECO ECO-0167240	APPROVED BY SR	DATE 29/04/2019
ECO DESCRIPTION MODEL UPDATED		
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DRAWN BY SDV	<b>marathon™</b> Motors		
DATE 18/07/2014			
APPROVED BY SBD	DESCRIPTION OUTLINE		
DATE 18/07/2014	250FR-B3 MTG. MOTOR TYPE: TCA/QCA		
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER 0225000378	SHEET 1 OF 1

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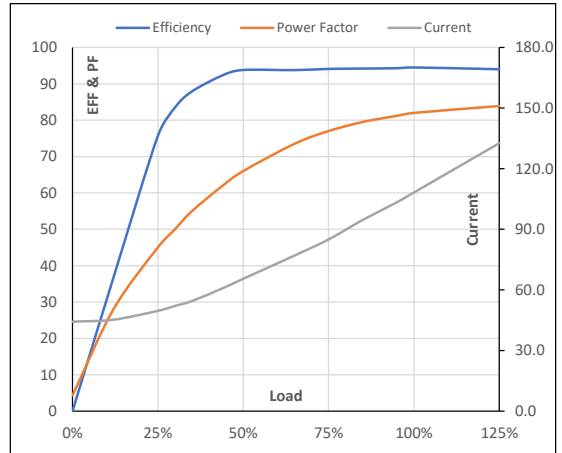
Model No. 1011627

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	55	75	108.2	1187	45.17	442.96	IR3	40	S1	1000	8.942	571

**Motor Load Data**

Load Point		NL	1/4FL	1/2FL	3/4FL	FL	5/4FL
Current	A	44.3	49.6	65.5	85.0	108.2	132.6
Torque	Nm	0.0	111.6	223.7	336.5	443.0	564.1
Speed	r/min	1200	1197	1194	1191	1187	1184
Efficiency	%	0.0	75.7	93.8	94.1	94.5	94.0
Power Factor	%	4.3	45.0	66.0	77.0	82.0	83.9

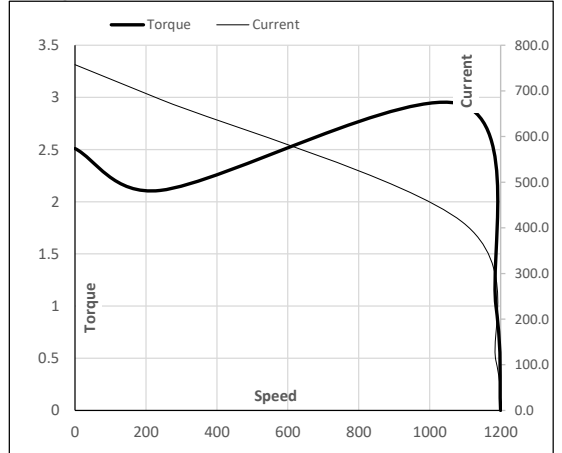
**Performance vs Load Chart**



**Motor Speed Torque Data**

Load Point		LR	P-Up	BD	Rated	NL
Speed	r/min	0	240	1092	1187	1200
Current	A	757.4	681.7	412.8	108.2	44.3
Torque	pu	2.5	2.1	2.9	1	0

**Starting Characteristics Chart**



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

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Issued Date