

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 1009425-BR

Catalog No: 1009425

TerraMAX® Cast Iron Motor, 12.50 HP, 3 Ph, 60 Hz, 380 V, 1800 RPM, 132S/M Frame, TEFC



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**RegalRexnord**

### Nameplate Specifications

Output HP	12.50 Hp	Output KW	9.2 kW
Frequency	60 Hz	Voltage	380 V
Current	7.6 A	Speed	1768 rpm
Service Factor	1.25	Phase	3
Efficiency	92.4 %	Power Factor	0.77
Duty	S1	Insulation Class	F
Frame	132S/M	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6208
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	4	Rotation	Clockwise
Mounting	B3	Motor Orientation	Horizontal
Drive End Bearing	Zz C3	Opp Drive End Bearing	Zz C3
Frame Material	Cast	Shaft Type	Keyed
Overall Length	503 mm	Frame Length	240 mm
Shaft Diameter	38 mm	Shaft Extension	80 mm
Assembly/Box Mounting	TOP		
Outline Drawing	0213200587		

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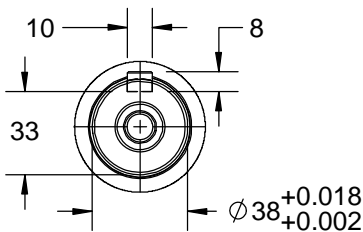
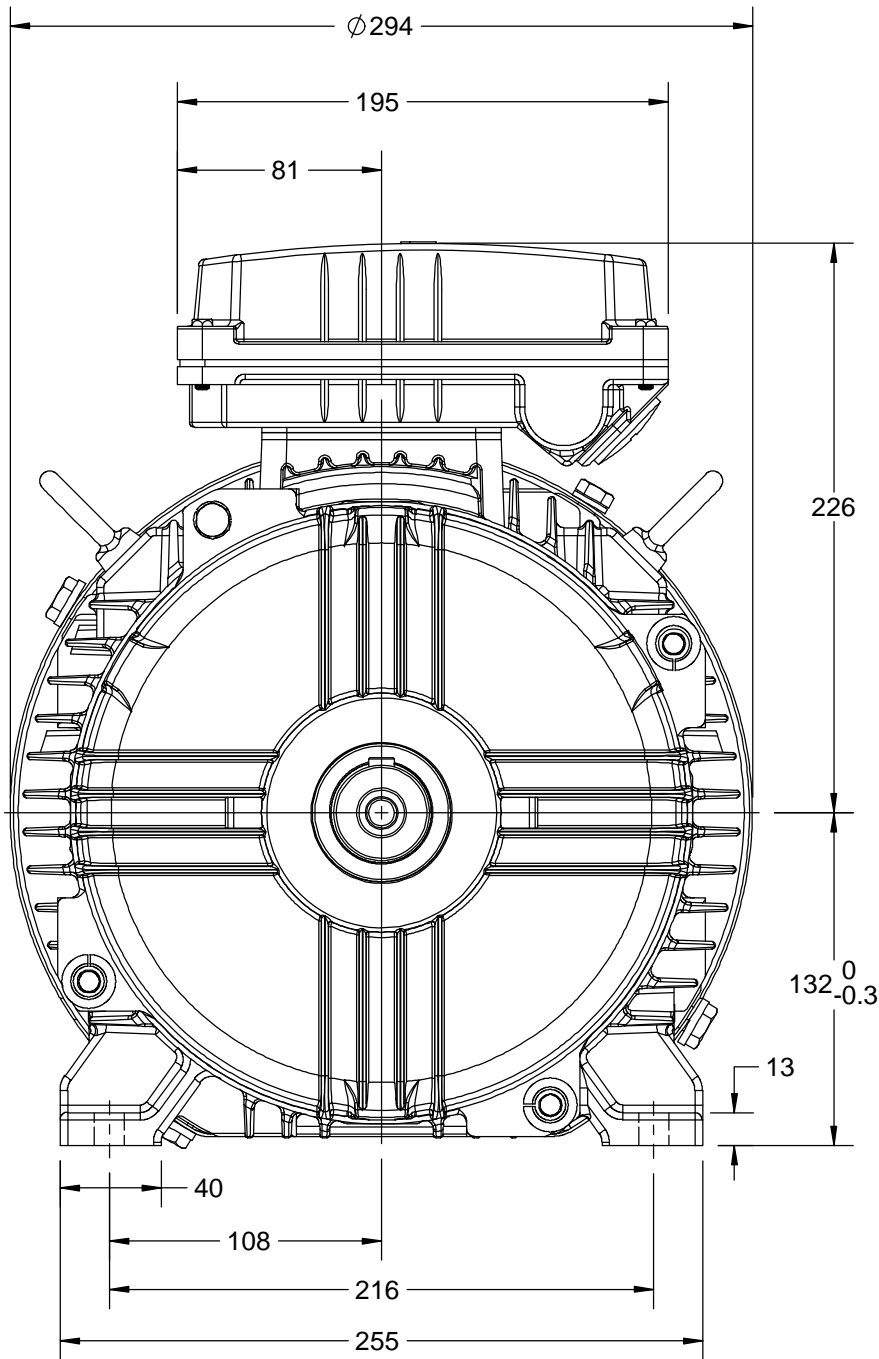
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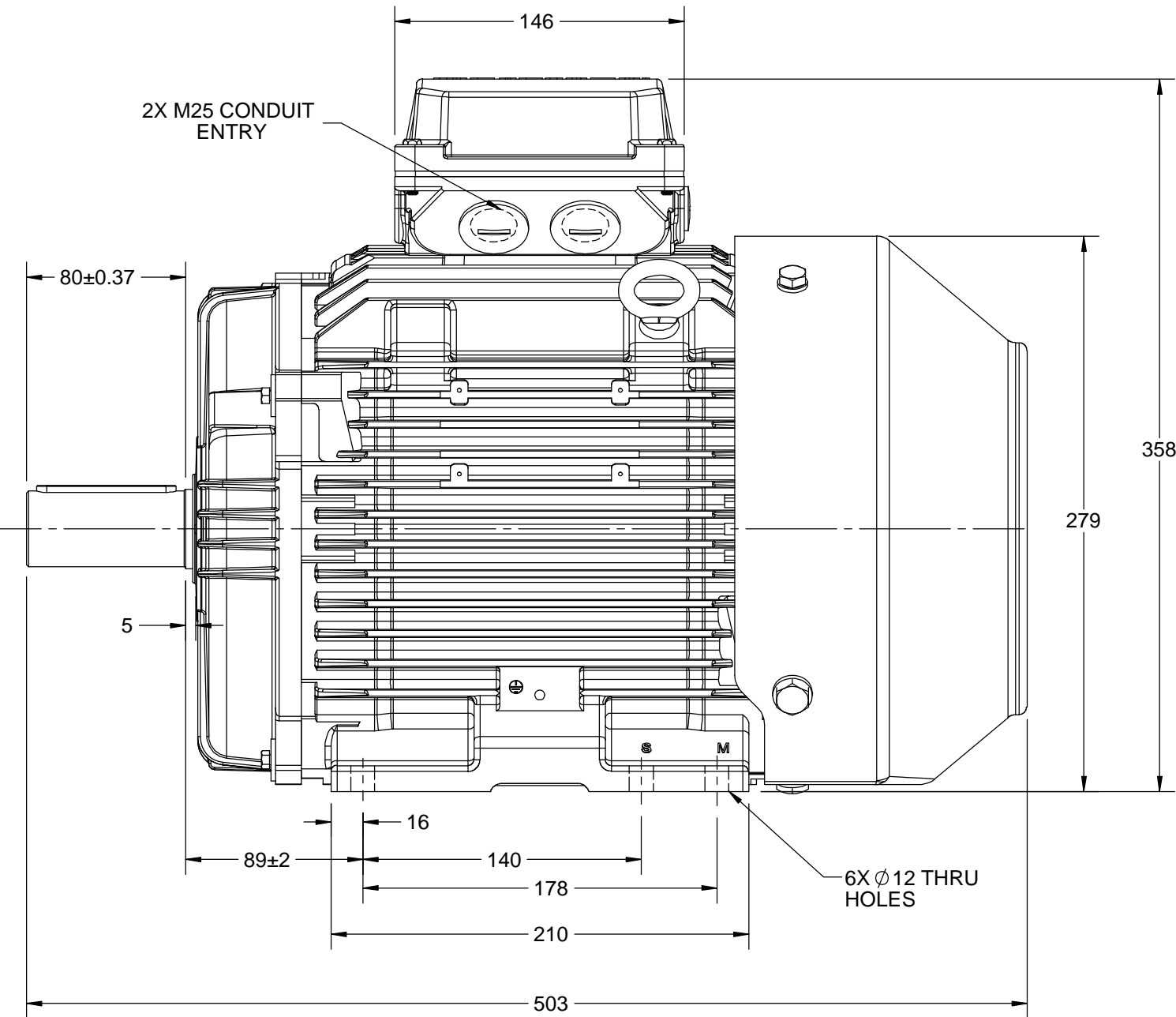
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2X M25 CONDUIT ENTRY



DRAWING REVISION C	REVISION BY S.MUDDA	DATE 25/06/2018
ECO ECO-0147359	APPROVED BY JAY	DATE 25/06/2018
ECO DESCRIPTION OUTLINE UPDATED AS PER NEW 3D STRUCTURING		
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DRAWN BY SMAR			
DATE 05/09/13			
APPROVED BY JAY	DESCRIPTION OUTLINE		
DATE 05/09/13	132 FR.- B3 MTG. MOTOR TYPE TCA/QCA		
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER 0213200587	SHEET 1 OF 1

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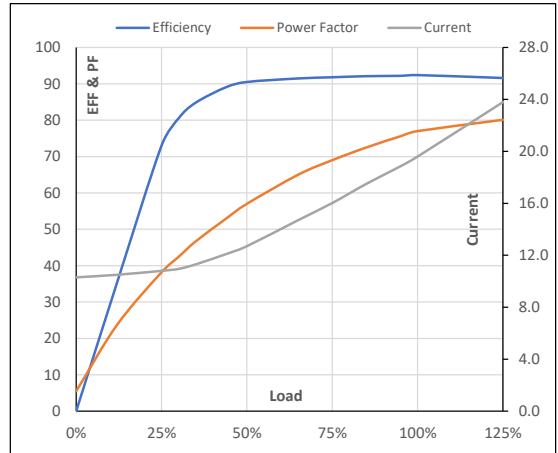
Model No. 1009425

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	9.2	13	19.6	1768	5.06	49.59	IR3	40	S1	1000	0.208	91

**Motor Load Data**

Load Point		NL	1/4FL	1/2FL	3/4FL	FL	5/4FL
Current	A	10.3	10.8	12.7	16.0	19.6	23.8
Torque	Nm	0.0	12.4	25.0	37.6	49.6	63.3
Speed	r/min	1800	1792	1784	1776	1768	1758
Efficiency	%	0.0	73.0	90.5	91.8	92.4	91.6
Power Factor	%	5.5	38.2	57.0	69.0	77.0	80.1

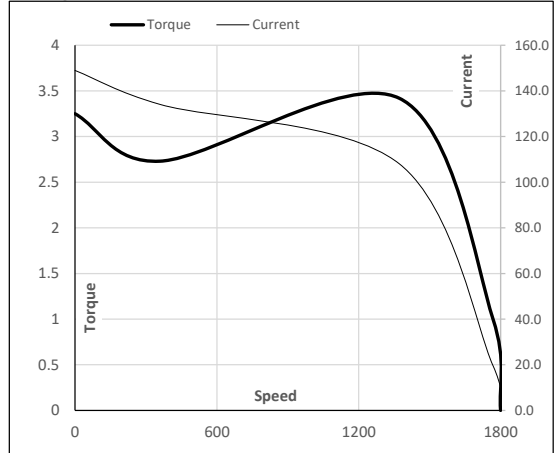
**Performance vs Load Chart**



**Motor Speed Torque Data**

Load Point		LR	P-Up	BD	Rated	NL
Speed	r/min	0	360	1371	1768	1800
Current	A	149.0	134.1	108.1	19.6	10.3
Torque	pu	3.3	2.7	3.4	1	0

**Starting Characteristics Chart**



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

Issued By

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