

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 1009410-BR

Catalog No: 1009410

TerraMAX® Cast Iron Motor, 400 HP, 3 Ph, 60 Hz, 380 V, 3600 RPM, 355M/L Frame, TEFC



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**RegalRexnord**

### Nameplate Specifications

Output HP	400 Hp	Output KW	300.0 kW
Frequency	60 Hz	Voltage	380 V
Current	515.1 A	Speed	3577 rpm
Service Factor	1.25	Phase	3
Efficiency	95.8 %	Power Factor	0.91
Duty	S1	Insulation Class	F
Frame	355M/L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6317	Opp Drive End Bearing Size	6317
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	2	Rotation	Clockwise
Mounting	B3	Motor Orientation	Horizontal
Drive End Bearing	C3	Opp Drive End Bearing	C3
Frame Material	Cast	Shaft Type	Keyed
Overall Length	1512 mm	Frame Length	1010 mm
Shaft Diameter	65 mm	Shaft Extension	140 mm
Assembly/Box Mounting	TOP		
Outline Drawing	0235501824		

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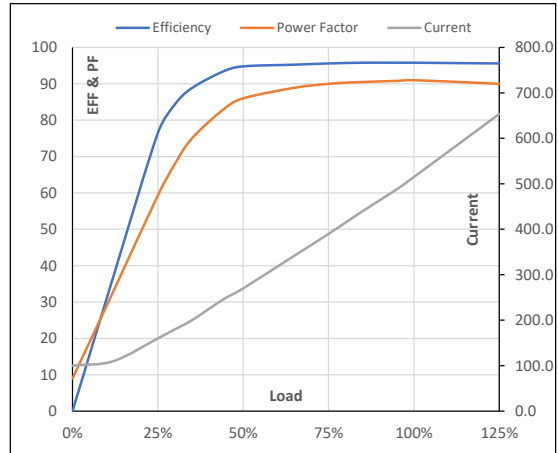
Model No. 1009410

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	300	400	515.1	3577	80.05	784.98	IR3	40	S1	1000	18.971	1883

**Motor Load Data**

Load Point		NL	1/4FL	1/2FL	3/4FL	FL	5/4FL
Current	A	100.0	160.0	270.1	389.8	515.1	653.6
Torque	Nm	0.0	198.1	396.8	596.2	785.0	997.3
Speed	r/min	3600	3594	3589	3583	3577	3570
Efficiency	%	0.0	76.5	94.8	95.6	95.8	95.6
Power Factor	%	9.0	59.3	86.0	90.0	91.0	90.0

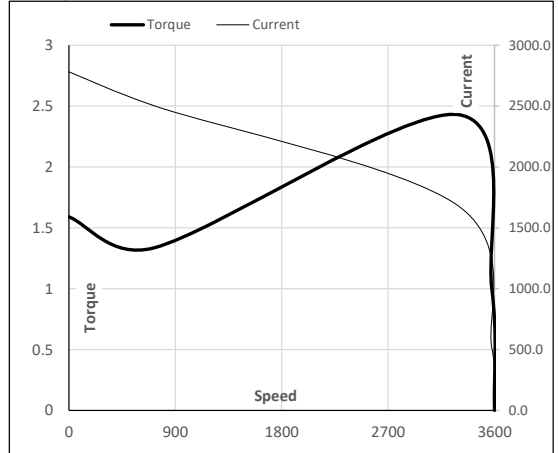
**Performance vs Load Chart**



**Motor Speed Torque Data**

Load Point		LR	P-Up	BD	Rated	NL
Speed	r/min	0	720	3291	3577	3600
Current	A	2781.3	2503.2	1682.1	515.1	100.0
Torque	pu	1.6	1.3	2.4	1	0

**Starting Characteristics Chart**



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

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