

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 1009485-BR

Catalog No: 1009485

TerraMAX® Cast Iron Motor, 200 HP, 3 Ph, 60 Hz, 380 V, 900 RPM, 355M/L Frame, TEFC



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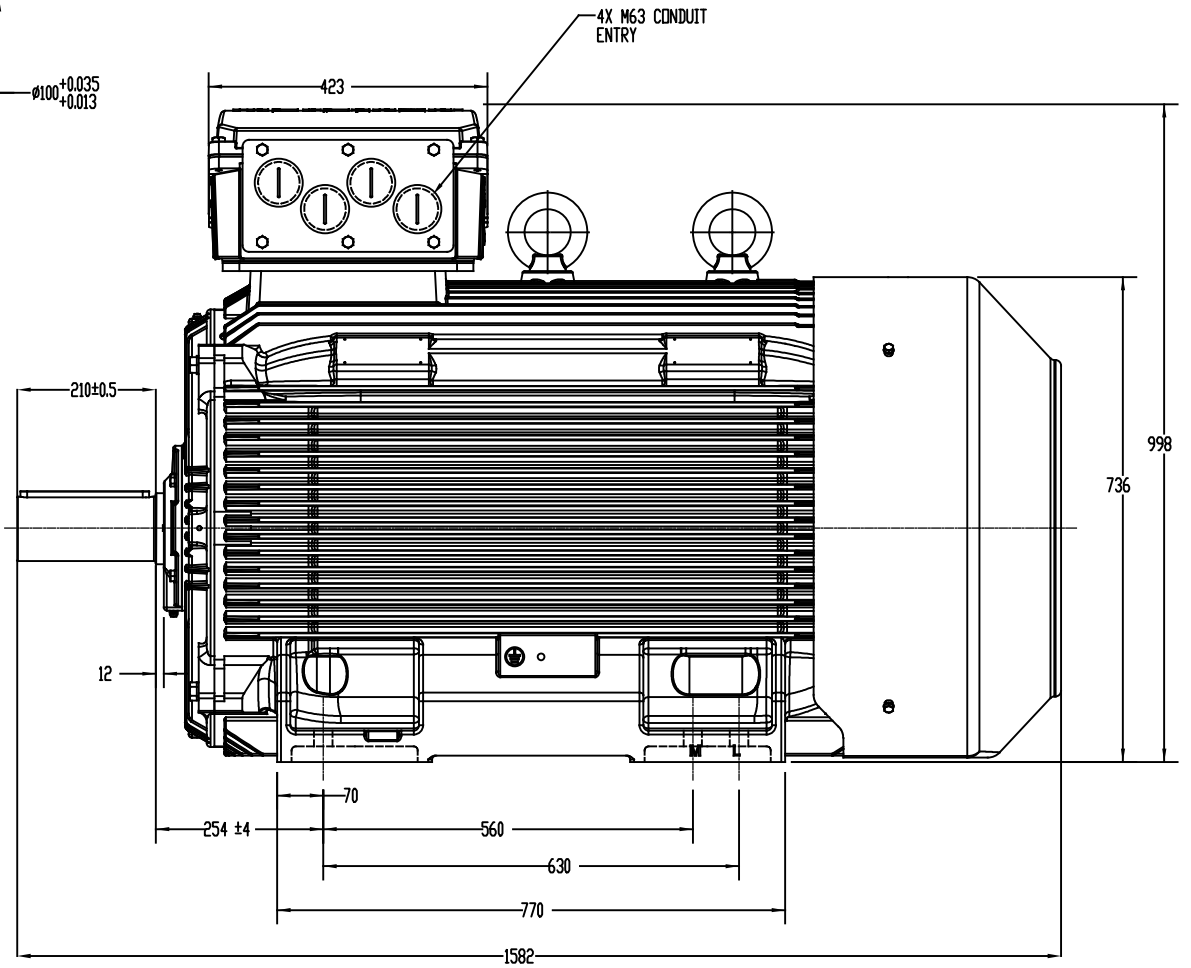
Nameplate Specifications

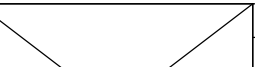


Output HP	200 Hp	Output KW	150.0 kW
Frequency	60 Hz	Voltage	380 V
Current	285.1 A	Speed	893 rpm
Service Factor	1.25	Phase	3
Efficiency	94.5 %	Power Factor	0.83
Duty	S1	Insulation Class	F
Frame	355M/L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6322	Opp Drive End Bearing Size	6322
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	8	Rotation	Clockwise
Mounting	B3	Motor Orientation	Horizontal
Drive End Bearing	C3	Opp Drive End Bearing	C3
Frame Material	Cast	Shaft Type	Keyed
Overall Length	1582 mm	Frame Length	1010 mm
Shaft Diameter	100 mm	Shaft Extension	210 mm
Assembly/Box Mounting	TOP		
Outline Drawing	TMCA35501		

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DRAWING REVISION A	REVISION BY -	DATE -		DRAWN BY LUCIANO			
ECO -	APPROVED BY -	DATE -		DATE 28/08/2019	DESCRIPTION DESENHO DE CONTO RNO MOTOR TCA 355ML 4-8P - B3T		
ECO DESCRIPTION -				APPROVED BY LUCIANO			
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				REFERENCE	SIZE B		DRAWING NUMBER TMCA35501
			THIRD ANGLE PROJECTION				

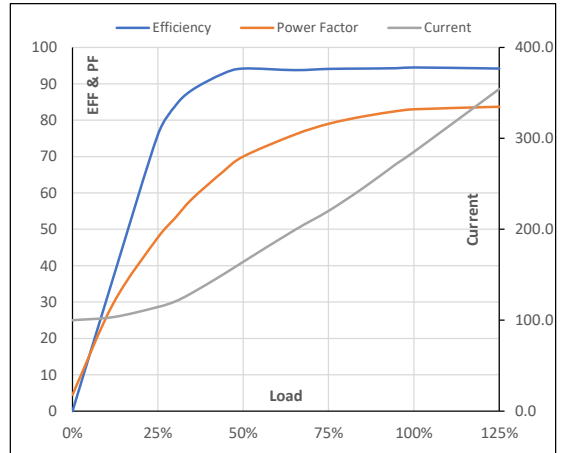
Model No. 1009485

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 ²]	Weight [kg]
TEFC	380	Δ	60	150	200	285.1	893	160.29	1571.92	IR3	40	S1	1000	39.639	1737

Motor Load Data

Load Point		NL	1/4FL	1/2FL	3/4FL	FL	5/4FL
Current	A	100.0	114.5	164.2	220.2	285.1	354.3
Torque	Nm	0.0	396.5	794.6	1194.1	1571.9	1999.7
Speed	r/min	900	898	897	895	893	891
Efficiency	%	0.0	76.0	94.2	94.1	94.5	94.2
Power Factor	%	4.5	47.7	70.0	79.0	83.0	83.7

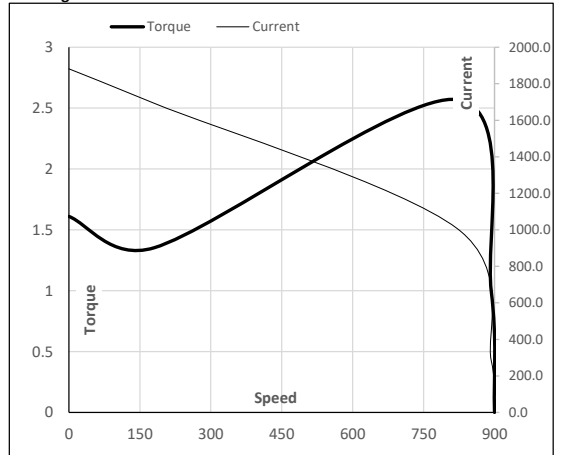
Performance vs Load Chart



Motor Speed Torque Data

Load Point		LR	P-Up	BD	Rated	NL
Speed	r/min	0	180	822	893	900
Current	A	1881.7	1693.5	1006.0	285.1	100.0
Torque	pu	1.6	1.4	2.6	1	0

Starting Characteristics Chart



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

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