PRODUCT INFORMATION PACKET

Model No: 1011587-BR
Catalog No: 1011587
TerraMAX® Cast Iron Motor, 25 HP, 3 Ph, 60 Hz, 380 V, 1200 RPM, 180M/L Frame, TEFC

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Nameplate Specifications

Output HP	25 Hp	Output KW	18.5 kW
Frequency	60 Hz	Voltage	380 V
Current	37.1 A	Speed	1182 rpm
Service Factor	1.25	Phase	3
Efficiency	93 %	Power Factor	0.81
Duty	S1	Insulation Class	F
Frame	180M/L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6211
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	Zz C3	Opp Drive End Bearing	Zz C3
Frame Material	Cast	Shaft Type	Keyed
Overall Length	750 mm	Frame Length	366 mm
Shaft Diameter	48 mm	Shaft Extension	110 mm
Assembly/Box Mounting	TOP		
Outline Drawing	0218000502		

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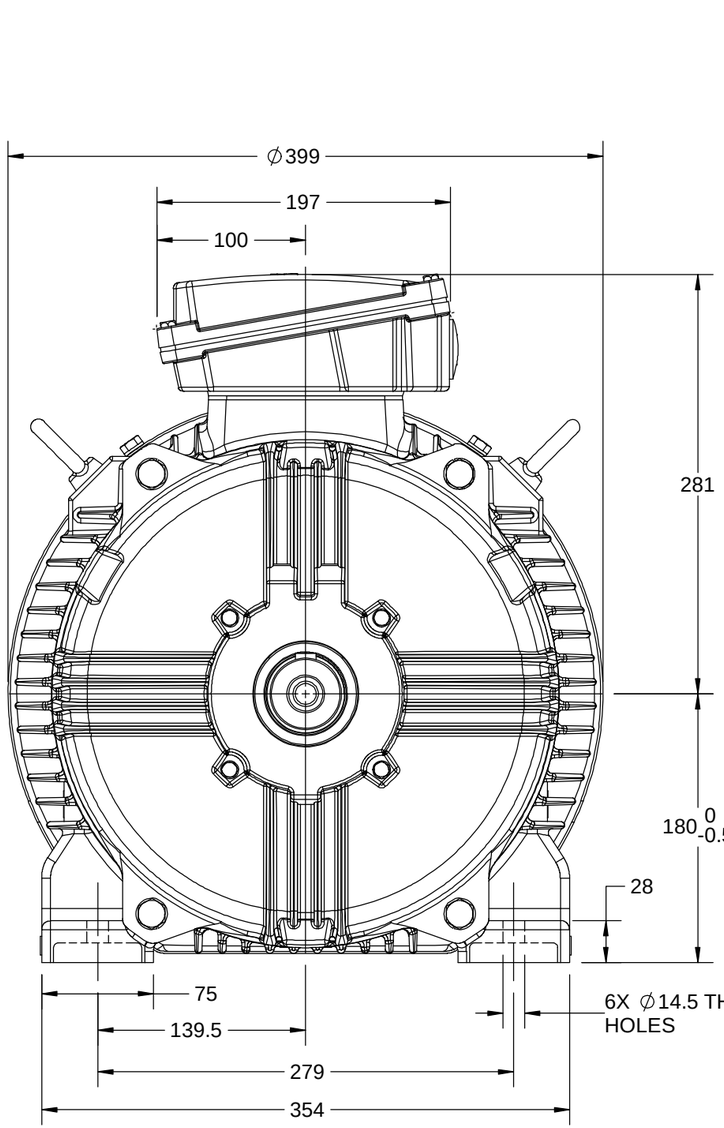

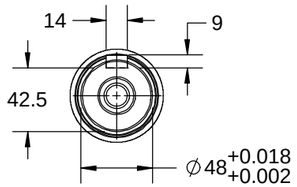

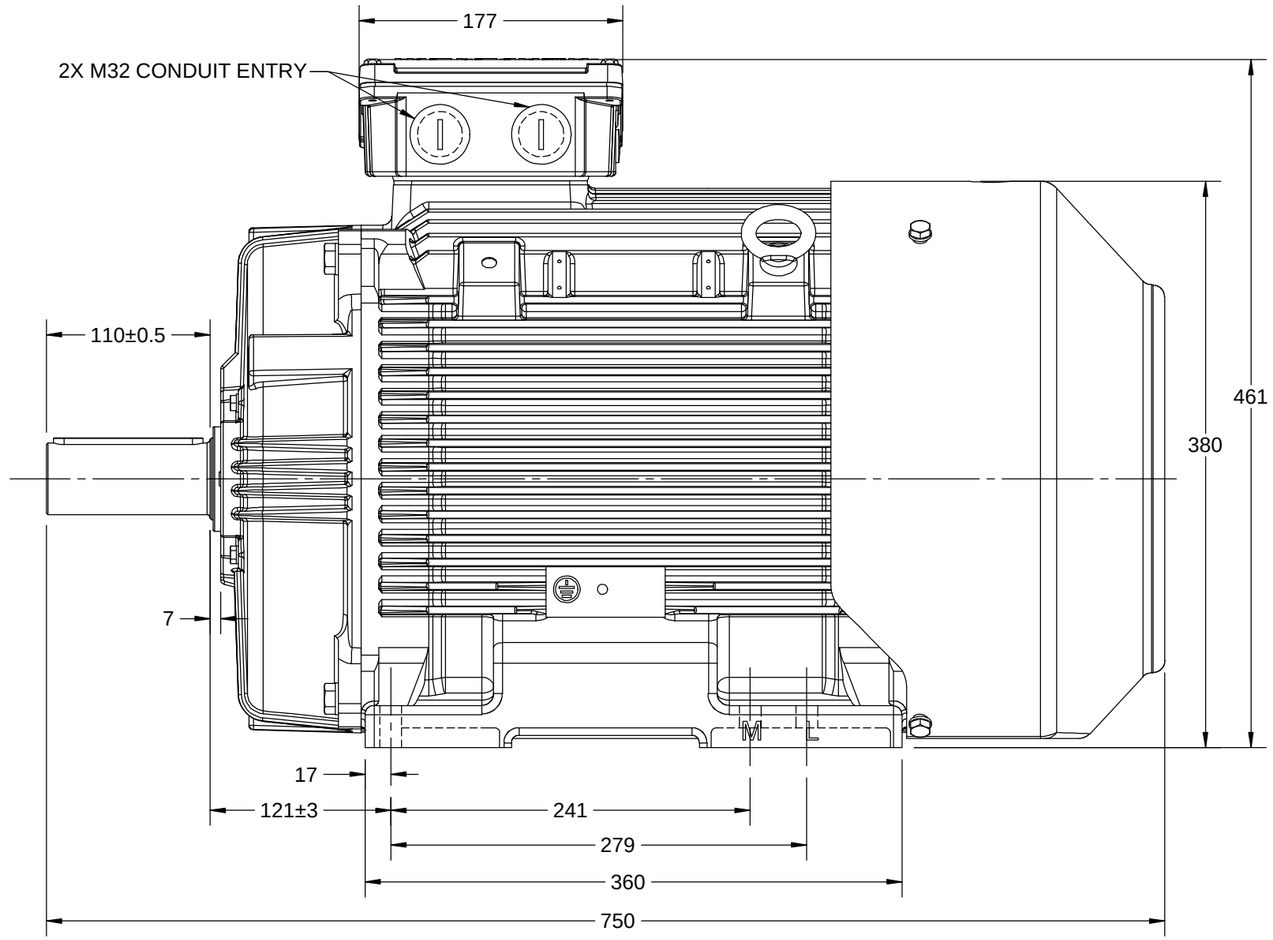

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ECO ECO-0186894	APPROVED BY JAY	DATE 13/06/2020		DATE 16/04/2014	
ECO DESCRIPTION MODEL UPDATED				APPROVED BY SBD	DESCRIPTION OUTLINE TCA/QCA-180L-B3
				DATE 16/04/2014	
				REFERENCE	MATERIAL / PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE B / DRAWING NUMBER 0218000502 / SHEET 1 OF 1

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marathon® Motors

TerraMAX®

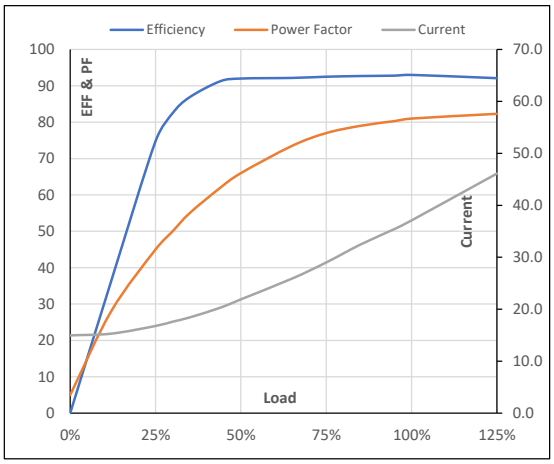
Model No. 1011587

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	18.5	25	37.1	1182	15.09	147.98	IR3	40	S1	1000	1.536	252

Motor Load Data

Load Point		NL	1/4FL	1/2FL	3/4FL	FL	5/4FL
Current	A	15.0	16.8	21.9	29.0	37.1	46.1
Torque	Nm	0.0	37.2	74.7	112.5	148.0	189.2
Speed	r/min	1200	1196	1192	1187	1182	1177
Efficiency	%	0.0	74.8	92.0	92.5	93.0	92.1
Power Factor	%	5.0	45.0	66.0	77.0	81.0	82.3

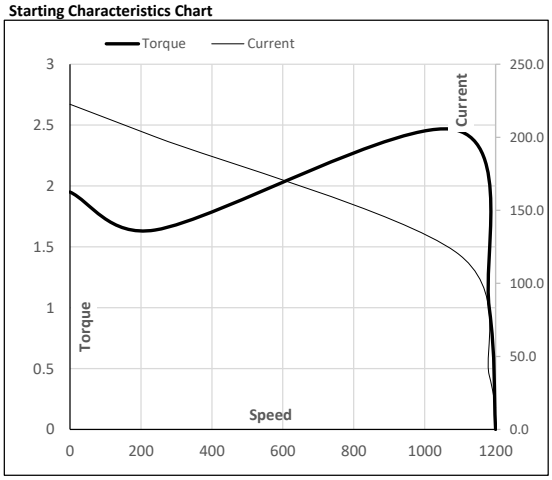
Performance vs Load Chart



Motor Speed Torque Data

Load Point		LR	P-Up	BD	Rated	NL
Speed	r/min	0	240	1087	1182	1200
Current	A	222.6	200.3	121.5	37.1	15.0
Torque	pu	2.0	1.6	2.5	1	0

Starting Characteristics Chart



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

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