

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 1009460-BR

Catalog No: 1009460

TerraMAX® Cast Iron Motor, 250 HP, 3 Ph, 60 Hz, 380 V, 1200 RPM, 355M/L Frame, TEFC



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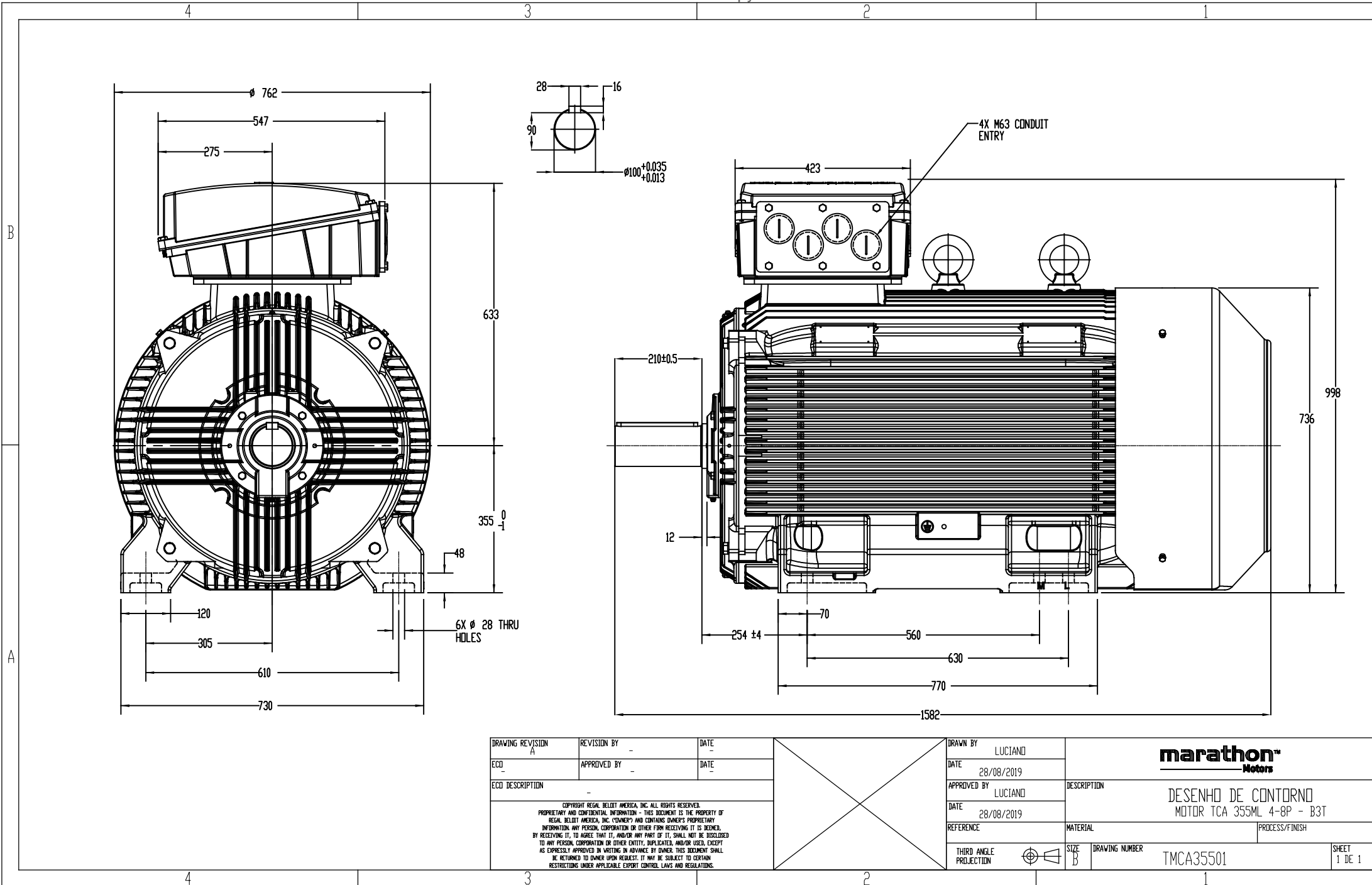
Nameplate Specifications




Output HP	250 Hp	Output KW	185.0 kW
Frequency	60 Hz	Voltage	380 V
Current	347.4 A	Speed	1193 rpm
Service Factor	1.25	Phase	3
Efficiency	95.8 %	Power Factor	0.84
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	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	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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ECD -	APPROVED BY -	DATE -		DATE 28/08/2019				
ECD DESCRIPTION -				APPROVED BY LUCIANO	DESCRIPTION			
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				REFERENCE	MATERIAL	PROCESS/FINISH		
			THIRD ANGLE PROJECTION		SIZE B	DRAWING NUMBER TMCA35501	SHEET 1 DE 1	

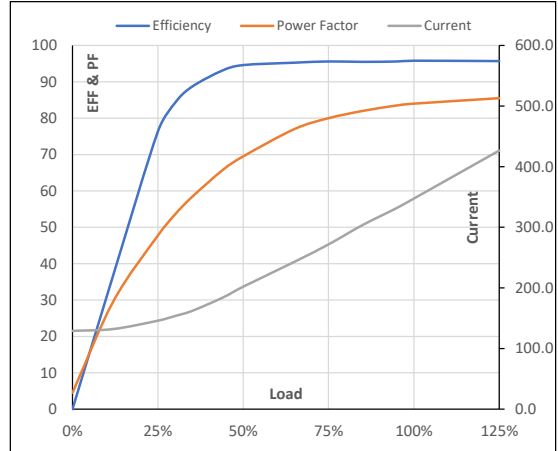
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Enclosure	U (V)	Δ / Y Conn	f [Hz]	P [kW]	P [hp]	I [A]	n [RPM]	T [kgm]	T [Nm]	IE Class	Amb [°C]	Duty	Elevation [m]	Inertia [kg-m ²]	Weight [kg]
TEFC	380	Δ	60	185	250	347.4	1193	149.90	1470.00	IR3	40	S1	1000	49.521	1950

Motor Load Data

Load Point		NL	1/4FL	1/2FL	3/4FL	FL	5/4FL
Current	A	129.1	145.9	202.0	271.8	347.4	426.7
Torque	Nm	0.0	371.5	744.1	1117.9	1470.0	1869.3
Speed	r/min	1200	1198	1196	1195	1193	1191
Efficiency	%	0.0	76.3	94.6	95.6	95.8	95.7
Power Factor	%	4.5	47.7	69.5	80.0	84.0	85.5

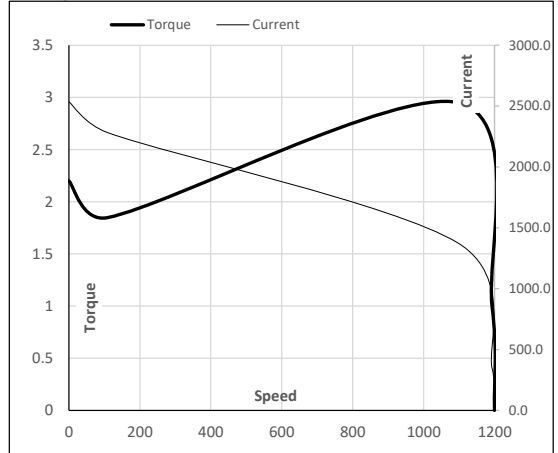
Performance vs Load Chart



Motor Speed Torque Data

Load Point		LR	P-Up	BD	Rated	NL
Speed	r/min	0	109	1098	1193	1200
Current	A	2536.0	2282.4	1374.4	347.4	129.1
Torque	pu	2.2	1.8	3.0	1	0

Starting Characteristics Chart



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

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