PRODUCT INFORMATION PACKET

Model No: 1009409-BR
Catalog No: 1009409
TerraMAX® Cast Iron Motor, 350 HP, 3 Ph, 60 Hz, 380 V, 3600 RPM, 355M/L Frame, TEFC

marathon® Motors

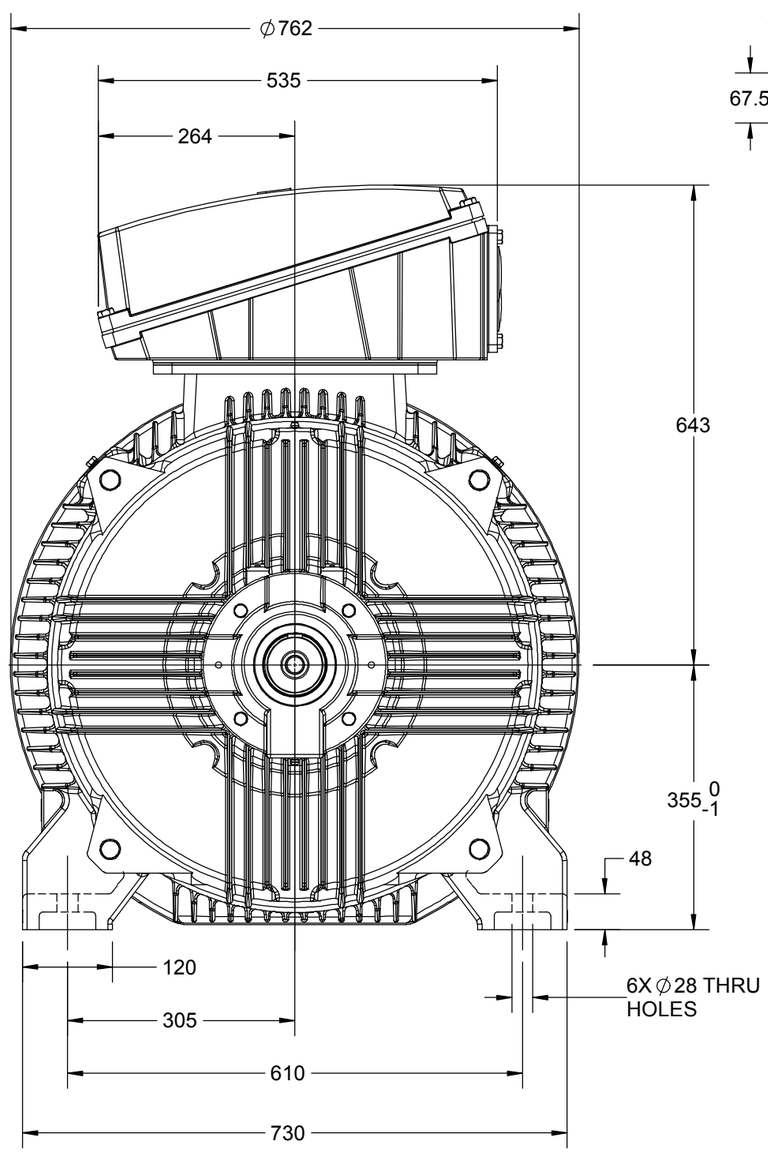
Nameplate Specifications

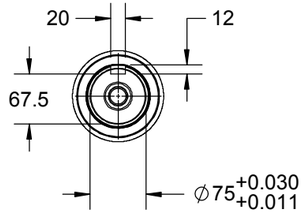
Output HP	350 Hp	Output KW	260.0 kW
Frequency	60 Hz	Voltage	380 V
Current	451.8 A	Speed	3581 rpm
Service Factor	1.25	Phase	3
Efficiency	95.8 %	Power Factor	0.9
Duty	S1	Insulation Class	F
Frame	355M/L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6317	Opp Drive End Bearing Size	6317
UL	No	CSA	No
CE	No	IP Code	55
Number of Speeds	1		

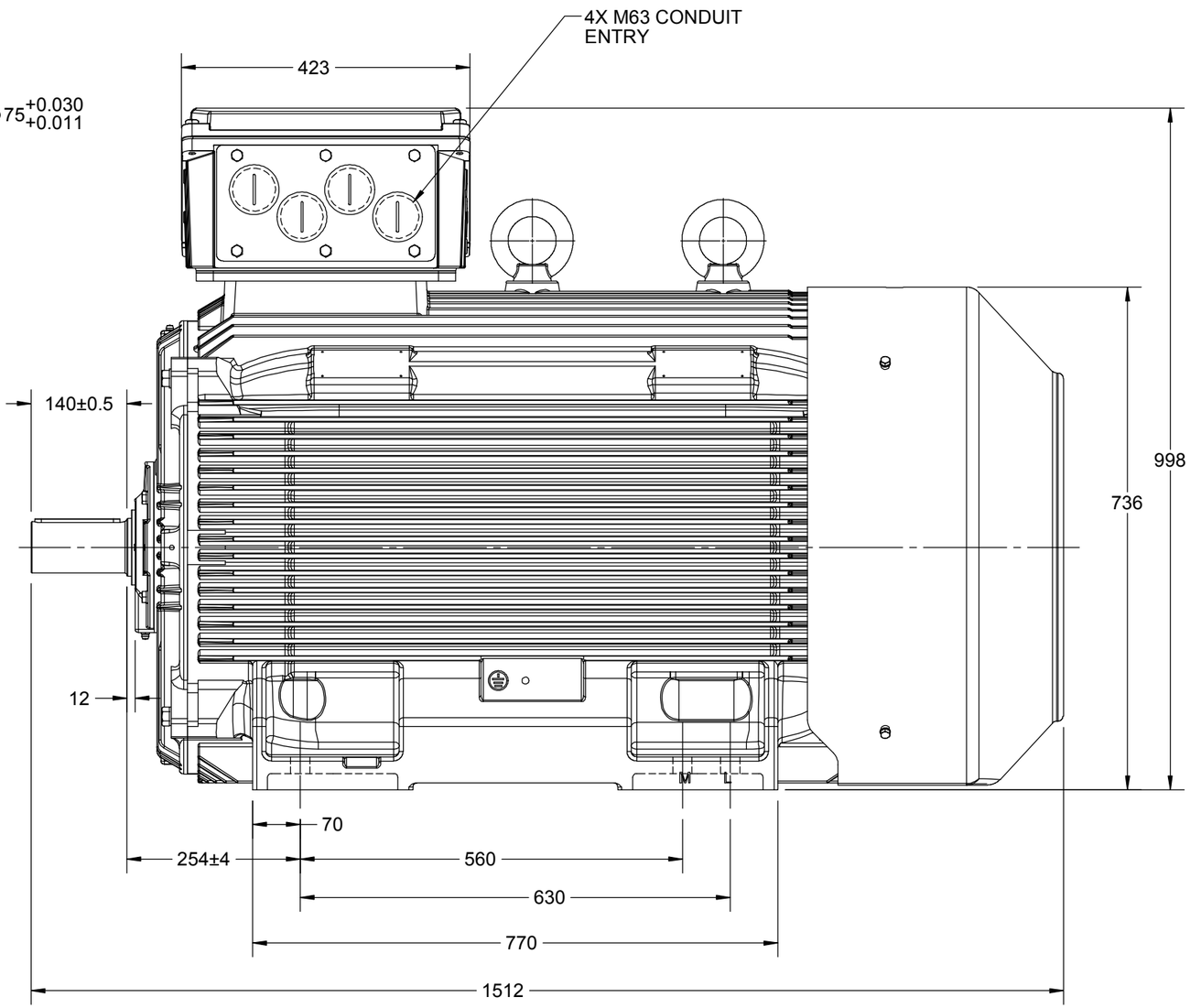
Technical Specifications

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		

OUTLINE







DRAWING REVISION D	REVISION BY NIV	DATE 08/05/2019		DRAWN BY JOY	marathon™ Motors
ECO ECO-0165600	APPROVED BY SR	DATE 08/05/2019		DATE 18/07/2014	
ECO DESCRIPTION MODEL UPDATED				APPROVED BY SBD	DESCRIPTION OUTLINE 355FR-2P-B3 MTG. MOTOR TYPE: TCA/QCA
				DATE 18/07/2014	
				REFERENCE	MATERIAL / PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE B / DRAWING NUMBER 0235501824 / SHEET 1 OF 1

marathon® Motors

TerraMAX®

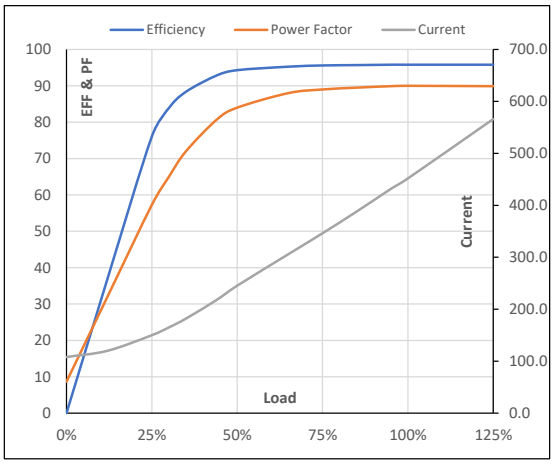
Model No. 1009409

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	260	350	451.8	3581	69.95	686.00	IR3	40	S1	1000	17.822	1820

Motor Load Data

Load Point		NL	1/4FL	1/2FL	3/4FL	FL	5/4FL
Current	A	108.0	150.0	245.3	346.2	451.8	566.0
Torque	Nm	0.0	173.3	347.0	521.2	686.0	871.2
Speed	r/min	3600	3595	3591	3586	3581	3576
Efficiency	%	0.0	76.1	94.3	95.6	95.8	95.8
Power Factor	%	8.7	57.3	84.0	89.0	90.0	89.9

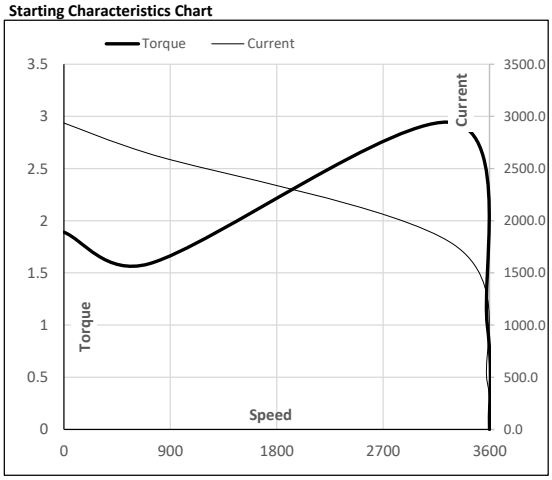
Performance vs Load Chart



Motor Speed Torque Data

Load Point		LR	P-Up	BD	Rated	NL
Speed	r/min	0	720	3295	3581	3600
Current	A	2936.6	2642.9	1774.0	451.8	108.0
Torque	pu	1.9	1.6	2.9	1	0

Starting Characteristics Chart



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

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REGAL