PRODUCT INFORMATION PACKET



Model No: TCA0451A3133GACD01 Catalog No: TCA0451A3133GACD01 TerraMAX® Cast Iron Motor, 60 HP, 3 Ph, 50 Hz, 415 V, 225M Frame



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marathon

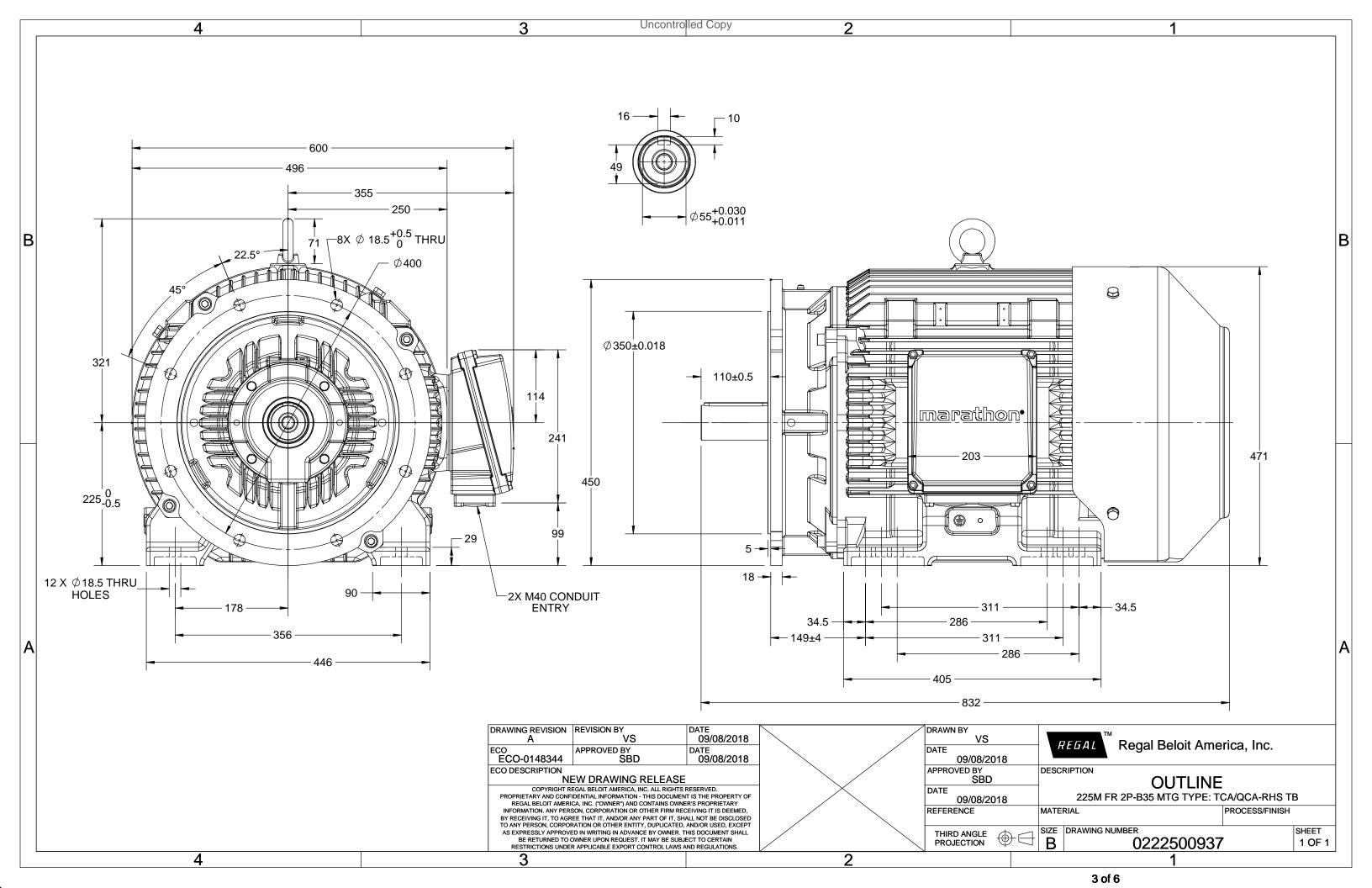
Nameplate Specifications

Phase	3	Output HP	60 Hp		
Output KW	45.0 kW	Voltage	415 V		
Speed	2975 r/min	Service Factor	1		
Frame	225M	Enclosure	Totally Enclosed Fan Cooled		
Thermal Protection	No Protection	Efficiency	94 %		
Ambient Temperature	50 °C	Frequency	50 Hz		
Current	75.7 A	Power Factor	0.88		
Duty	S 1	Insulation Class	F		
Drive End Bearing Size	6313	Opp Drive End Bearing Size	6213		
UL	No	CSA	No		
CE	Yes	IP Code	55		
Number of Speeds	1	Efficiency Class	IE3		

Technical Specifications

Electrical Type	Squirrel Cage	Starting Method	Direct On Line
Poles	2	Rotation	Bi-Directional
Mounting	B35	Motor Orientation	Horizontal
Drive End Bearing	СЗ	Opp Drive End Bearing	С3
Frame Material	Cast Iron	Shaft Type	Keyed
Overall Length	832 mm	Frame Length	425 mm
Shaft Diameter	55 mm	Shaft Extension	110 mm
Assembly/Box Mounting	R Side		
Outline Drawing	0222500937	Connection Drawing	8442000085

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DRAWING REVISION	REVISION BY	DATE
Α	SN	13/01/2017
ECO	APPROVED BY	DATE
ECO-0116390	SBD	13/01/2017
ECO DESCRIPTION		

NEW DRAWING RELEASE

GEOM	ENTRIC TOLERANCE							
	>0~6	±0.1						
LINEAR DIM	>6~30	±0.2						
	>30~120	±0.3						



NOTES:

- 1.
- 2.
- PRESSURE-SENSITIVE ADHESIVE COATED PAPER ON THE BACK OF SELF-ADHESIVE. AT THE END OF YELLOW, WORDS, SYMBOLS, LETTERS ARE BLACK, BORDER IS BLACK. THE TOLERANCE OF THE LINEAR SIZE OF THE TOLERANCE WITHOUT THE TOLERANCE 3. BY THE TABLE.

8WD.442.2017



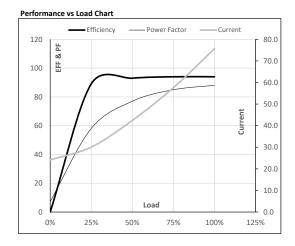




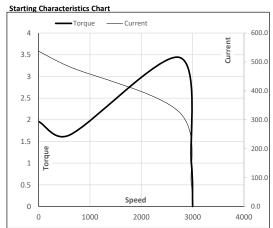
Model No. TCA0451A3133GACD01

Enclosure	U	Δ/Υ	f	Р	Р	1	n	T	T	IE	Amb	Duty	Elevation	Inertia	Weight
	(V)	Conn	[Hz]	[kW]	[hp]	[A]	[RPM]	[kgm]	[Nm]	Class	[°C]		[m]	[kg-m ²]	[kg]
TEFC	415	Δ	50	45	60.0	75.7	2975	14.64	143.61	IE3	50	S1	1000	0.4264	414

Motor Load Data 5/4FL NL 1/4FL 1/2FL 3/4FL FL Load Point Current 24.1 30.1 42.4 57.6 75.7 71.5 107.5 143.6 Torque Nm 0.0 35.7 3000 Speed r/min 2994 2988 2982 2975 Efficiency % 0.0 89.1 93.0 94.0 94.0 Power Factor 58.1 77.0 85.0 88.0 7.3



Motor Speed Torque Data LR P-Up BD Rated NL Load Point 0 600 2737 2975 3000 Speed r/min Current Α 537.4 483.6 327.1 75.7 24.1 Torque pu



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

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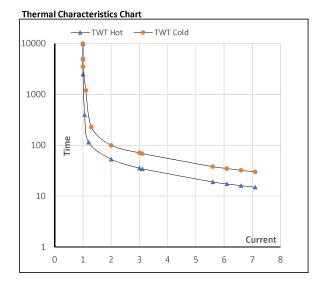




Model No. TCA0451A3133GACD01

Enclosure	U	Δ / Y	f	Р	Р	I	n	Т	Т	ΙE	Amb	Duty	Elevation	Inertia	Weight
	(V)	Conn	[Hz]	[kW]	[hp]	[A]	[rpm]	[kgm]	[Nm]	Class	[°C]		[m]	[kg-m²]	[kg]
TEFC	415	Δ	50	45	60	75.7	2975	14.63	143.61	IE3	50	S1	1000	0.4264	414

Motor Speed Torque Data LR Load FL s 10000 15 TWT Hot 25 TWT Cold s 10000 100 71 60 45 38 30 Current 1 3 5 5.5 7.1 pu



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

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