PRODUCT INFORMATION PACKET



Model No: TCA0453A3133GACD01 Catalog No: TCA0453A3133GACD01 TerraMAX® Cast Iron Motor, 60 HP, 3 Ph, 50 Hz, 415 V, 280S Frame



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marathon

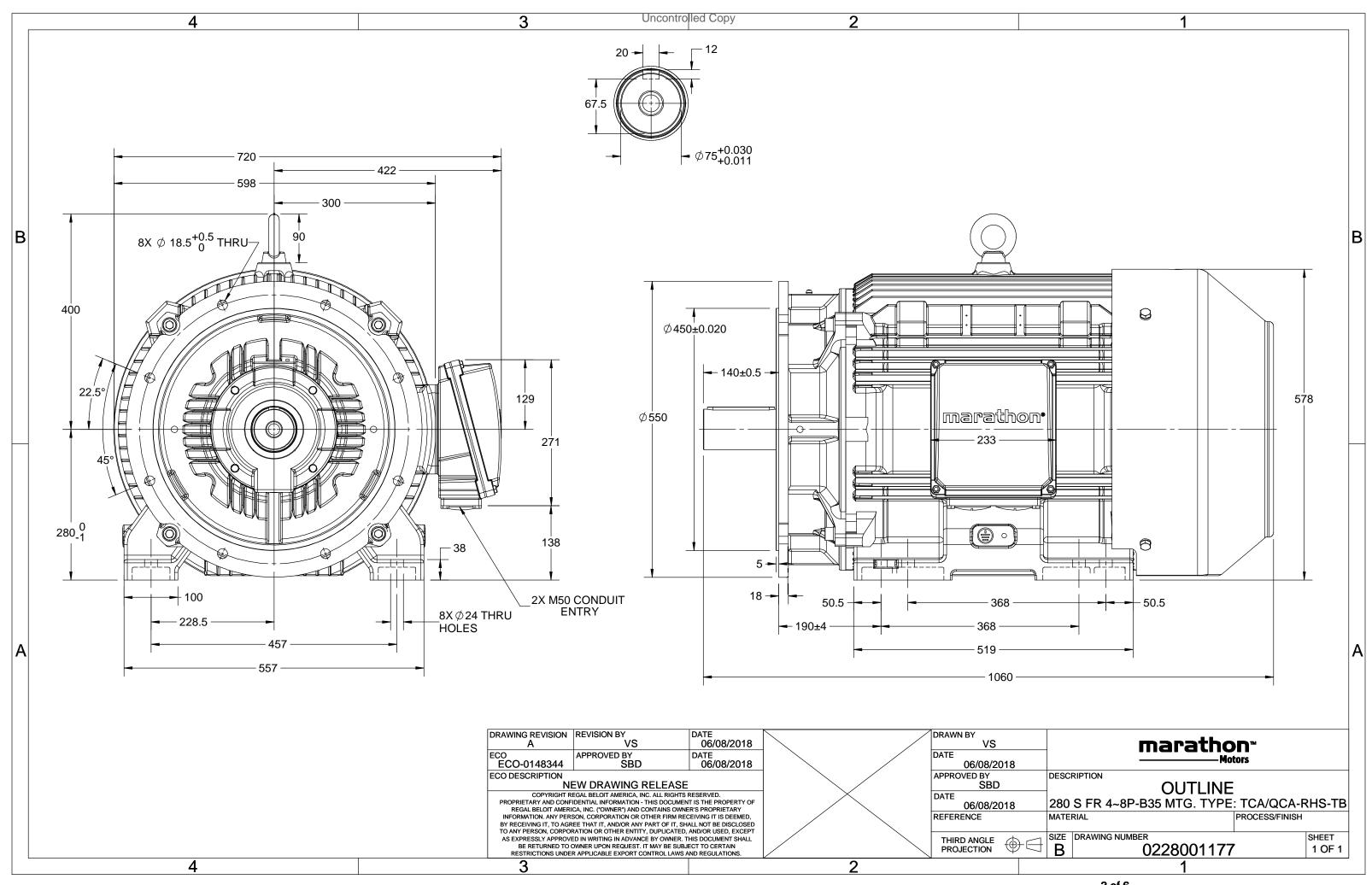
Nameplate Specifications

Phase	3	Output HP	60 Hp		
Output KW	45.0 kW	Voltage	415 V		
Speed	989 r/min	Service Factor	1		
Frame	280S	Enclosure	Totally Enclosed Fan Cooled		
Thermal Protection	No Protection	Efficiency	93.7 %		
Ambient Temperature	50 ℃	Frequency	50 Hz		
Current	81.5 A	Power Factor	0.82		
Duty	S1	Insulation Class	F		
Drive End Bearing Size	6317	Opp Drive End Bearing Size	6317		
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	6	Rotation	Bi-Directional
Mounting	B35	Motor Orientation	Horizontal
Drive End Bearing	C3	Opp Drive End Bearing	C3
Frame Material	Cast Iron	Shaft Type	Keyed
Overall Length	1060 mm	Frame Length	549 mm
Shaft Diameter	75 mm	Shaft Extension	140 mm
Assembly/Box Mounting	R Side		
Outline Drawing	0228001177	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

GEOMENTRIC 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



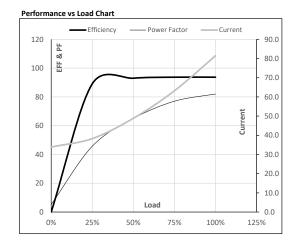




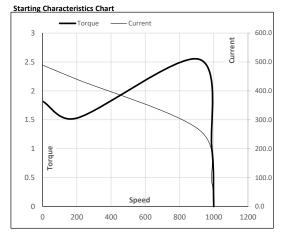
Model No. TCA0453A3133GACD01

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	81.5	989	44.08	432.25	IE3	50	S1	1000	2.238	622

Load Point		NL	1/4FL	1/2FL	3/4FL	FL	5/4FL
Current	Α	33.9	38.3	48.8	63.2	81.5	
Torque	Nm	0.0	107.1	214.9	323.2	432.2	
Speed	r/min	1000	997	995	992	989	
Efficiency	%	0.0	89.1	93.0	93.7	93.7	
Power Factor	%	5.2	45.7	65.0	77.0	82.0	



Motor Speed Torque Data LR P-Up BD Rated NL Load Point 200 0 910 989 1000 Speed r/min Current Α 488.9 440.0 267.6 81.5 33.9 Torque pu



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

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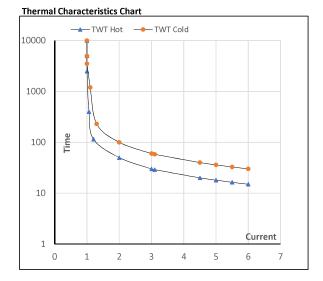




Model No. TCA0453A3133GACD01

Enclosure	U	Δ/Υ	f	Р	Р	ı	n	Т	Т	IE	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	81.5	989	44.05	432.25	IE3	50	S1	1000	2.2380	622

Motor Speed Torque Data LR Load FL s 10000 15 TWT Hot TWT Cold s 10000 100 60 55 36 33 30 Current 1 3 5 5.5 6 pu



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

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