PRODUCT INFORMATION PACKET



Model No: TCA1322A3121GACD01 Catalog No: TCA1322A3121GACD01 TerraMAX® Cast Iron Motor, 175 HP, 3 Ph, 50 Hz, 415 V, 315M Frame



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Nameplate Specifications

Phase	3	Output HP	175 Hp		
Output KW	132.0 kW	Voltage	415 V		
Speed	1488 r/min	Service Factor	1		
Frame	315M	Enclosure	Totally Enclosed Fan Cooled		
Thermal Protection	No Protection	Efficiency	95.6 %		
Ambient Temperature	50 °C	Frequency	50 Hz		
Current	218.3 A	Power Factor	0.88		
Duty	S1	Insulation Class	F		
Drive End Bearing Size	6319	Opp Drive End Bearing Size	6319		
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	4	Rotation	Bi-Directional		
Mounting	B5	Motor Orientation	Horizontal		
Drive End Bearing	C3	Opp Drive End Bearing	С3		
Frame Material	Cast Iron	Shaft Type	Keyed		
Overall Length	1206 mm	Frame Length	729 mm		
Shaft Diameter	80 mm	Shaft Extension	170 mm		
Assembly/Box Mounting	Тор				
Connection Drawing	8442000085	Outline Drawing	0231500892		

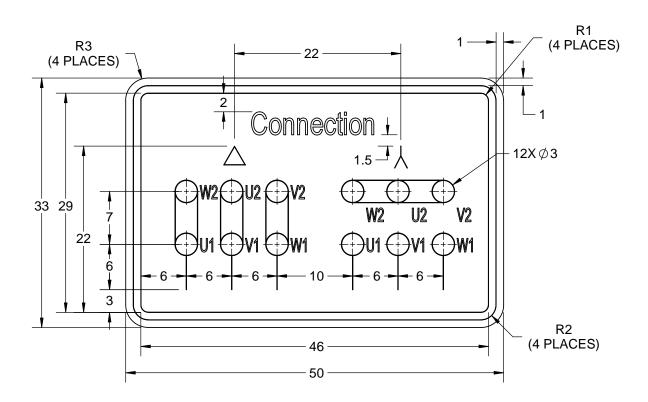
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DRAWING REVISION	REVISION BY	DATE
Α	SN	13/01/2017
ECO	APPROVED BY	DATE
ECO-0116390	SBD	13/01/2017
ECO DESCRIPTION		

NEW DRAWING RELEASE

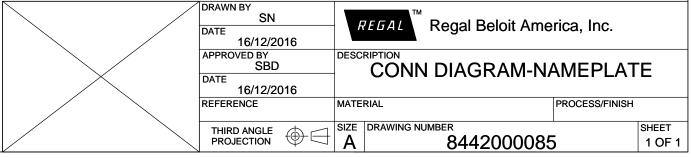
GEOMENTRIC TOLERANCE								
	>0~6	±0.1						
LINEAR DIM	>6~30	±0.2						
	>30~120	±0.3						



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.

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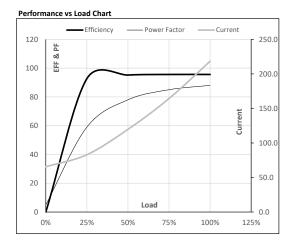




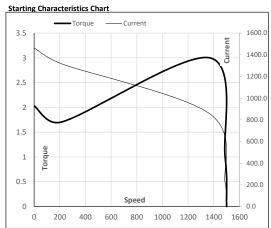
Model No. TCA1322A3121GACD01

Enclosure	U	Δ/Υ	f	Р	Р	1	n	Т	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	132	175.0	218.3	1488	85.42	837.68	IE3	50	S1	1000	3.7582	1018

Load Point		NL	1/4FL	1/2FL	3/4FL	FL	5/4FL
Current	Α	65.6	83.0	119.7	164.3	218.3	
Torque	Nm	0.0	208.1	417.1	626.9	837.7	
Speed	r/min	1500	1497	1494	1491	1488	
Efficiency	%	0.0	92.7	95.2	95.6	95.6	
Power Factor	%	5.0	59.0	78.0	85.0	88.0	



Motor Speed Torque Data P-Up BD Rated NL Load Point 0 214 1369 1488 1500 r/min Speed A 1462.6 1316.3 Current 854.7 218.3 65.6 Torque pu



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

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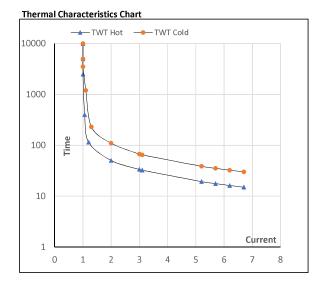




Model No. TCA1322A3121GACD01

Enclosure	U	Δ/Υ	f	Р	Р	ı	n	Т	T	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	132	175	218.3	1488	85.36	837.68	IE3	50	S1	1000	3.7582	1018

Motor Speed Torque Data LR Load FL s 10000 15 TWT Hot 22 TWT Cold s 10000 110 67 60 40 37 30 Current 1 3 5 5.5 6.7 pu



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

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