PRODUCT INFORMATION PACKET



Model No: SCA1324A4111GAA001 Catalog No: SCA1324A4111GAA001

TerraMAX® Cast Iron Motor, 175 HP, 3 Ph, 50 Hz, 380/660 V, 750 RPM, 355M Frame, TEFC



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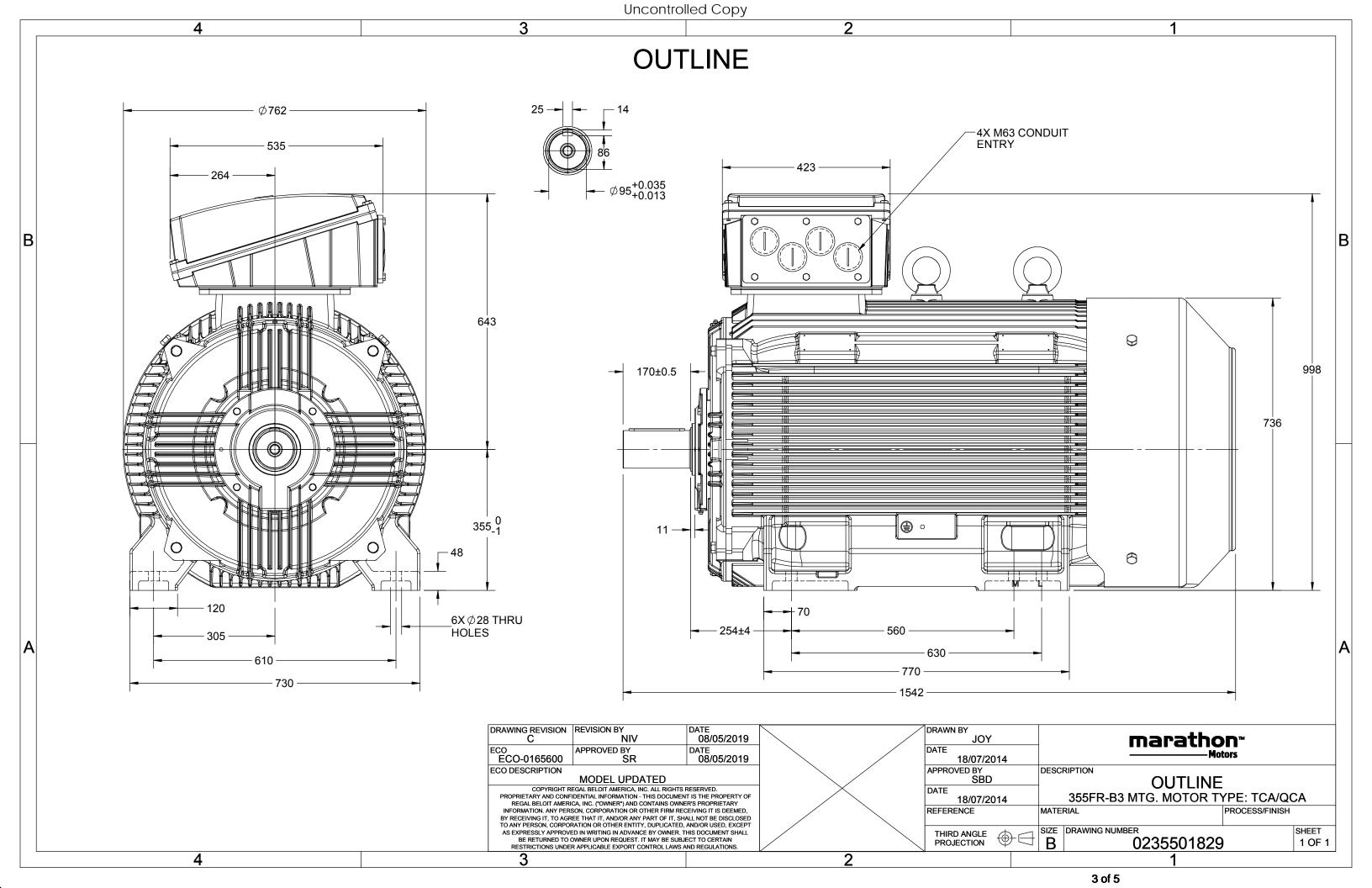
Nameplate Specifications

Output HP	175 Hp	Output KW	132.0 kW		
Frequency	50 Hz	Voltage	380/660 V		
Current	270.7 A	Speed	743 rpm		
Service Factor	1	Phase	3		
Efficiency	92.6 %	Power Factor	0.80		
Duty	S1 Insulation		F		
Frame	355M	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	Yes	IP Code	55		
Number of Speeds	1	Efficiency Class	IE2		

Technical Specifications

Electrical Type	Squirrel Cage	Starting Method	Direct On Line	
Poles	8	Rotation	Bi-Directional	
Mounting	В3	Motor Orientation	Horizontal	
Drive End Bearing	С3	Opp Drive End Bearing	СЗ	
Frame Material	Cast Iron	Shaft Type	Keyed	
Overall Length	1542 mm	Frame Length	1010 mm	
Shaft Diameter	95 mm	Shaft Extension	170 mm	
Assembly/Box Mounting	Тор			
Connection Drawing	8442000085	Outline Drawing	0235501829	

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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. SCA1324A4111GAA001

U	Δ/Υ	f	Р	Р	I	n	Т	IE	9	6 EFF a	t load	l	PI	at lo	ad	I _A /I _N	T_A/T_N	T_K/T_N
(V)	Conn	[Hz]	[kW]	[hp]	[A]	[RPM]	[Nm]	Class	5/4FL	FL	3/4FL	1/2FL	FL	3/4FL	1/2FL	[pu]	[pu]	[pu]
380/660	Δ	50	132	175	270.7	743	1678.42	IE2	-	92.6	92.6	94.2	0.8	0.76	0.65	6.4	1.6	2.6

SCA	
TEFC	
Cast Iron	
355M	
S1	
± 10%	
± 5%	
10%	
N	
1.0	
F	
-20 to +40	°C
80 [Class B]	K
1000	meter
NA	
NA	
NA	
NA	
Aluminum Die cast	
Anti-friction ball	
6322 C3/ 6322 C3	
Regreasable	
CHEVRON SRI-2 or Equivalent	
	TEFC Cast Iron 355M S1 ± 10% ± 5% 10% N 1.0 F -20 to +40 80 [Class B] 1000 NA NA NA NA Aluminum Die cast Anti-friction ball 6322 C3/ 6322 C3 Regreasable

Degree of protection	IP 55	
Mounting type	IM B3	
Cooling method	IC 411	
Motor weight - approx.	1636	kg
Gross weight - approx.	1681	kg
Motor inertia	8.9257	kgm ²
Load inertia	Customer to Provide	
Vibration level	2.8	mm/s
Noise level (1meter distance from mo	otor) 65	dB(A)
No. of starts hot/cold/Equally spread	2/3/4	
Starting method	DOL	
Type of coupling	Direct	
LR withstand time (hot/cold)	15/30	S
Direction of rotation	Bi-directional	
Standard rotation	Clockwise form DE	
Paint shade	RAL 5014	
Accessories		
Accessory - 1	-	
Accessory - 2	-	
Accessory - 3	-	
Terminal box position	TOP	
Maximum cable size/conduit size	1R x 3C x 300mm²/4 x M63 x 1.5	
Auxiliary terminal box	Available on Request	

 I_A/I_N - Locked Rotor Current / Rated Current T_A/T_N - Locked Rotor Torque / Rated Torque

 T_K/T_N - Breakdown Torque / Rated Torque

NOTE

All performance values at rated voltage and frequency.

All performance parameters are subjected to standard tolerance as per IEC 60034-1

* Voltage, Frequency and combine variation are as per IEC60034-1

Technical data are subject to change. There may be discrepancies between calculated and name plate values.

Efficiency	Europe	China	India	Aus/Nz	Brazil	Global IEC
Standards	-	GB 18613-2012 Grade 2	-	-	-	IEC: 60034-30

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