PRODUCT INFORMATION PACKET

marathon® Motors

Model No: SCA7P54A4181GAA001
Catalog No: SCA7P54A4181GAA001
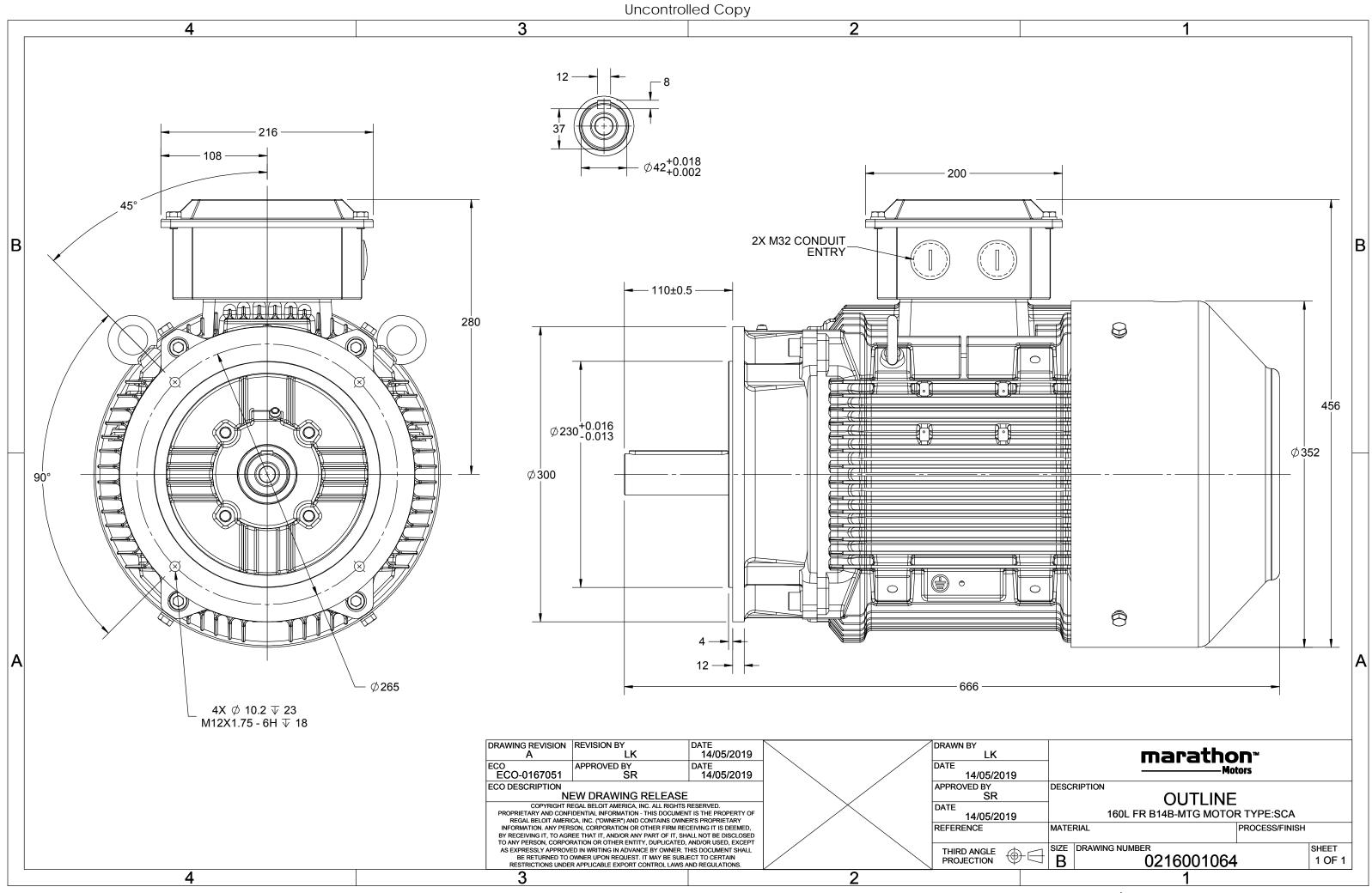TerraMAX® Cast Iron Motor, 10 HP, 3 Ph, 50 Hz, 380/660 V, 750 RPM, 160L Frame, TEFC

RegalRexnord®

marathon® Motors

Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	50 Hz	Voltage	380/660 V
Current	18.3 A	Speed	720 rpm
Service Factor	1	Phase	3
Efficiency	85.3 %	Power Factor	0.73
Duty	S1	Insulation Class	F
Frame	160L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6209
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	B14B	Motor Orientation	Horizontal
Drive End Bearing	2z-C3	Opp Drive End Bearing	2z-C3
Frame Material	Cast Iron	Shaft Type	Keyed
Overall Length	666 mm	Frame Length	298 mm
Shaft Diameter	42 mm	Shaft Extension	110 mm
Assembly/Box Mounting	Top		
Outline Drawing	0216001064	Connection Drawing	8442000085

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4 | 3 | 2 | 1

216

108

45°

90°

280

⌀265

4X ⌀ 10.2 ▽ 23
M12X1.75 - 6H ▽ 18

12 — 8

37

⌀42 +0.018 +0.002

200

2X M32 CONDUIT ENTRY

110±0.5

⌀230 +0.016 -0.013

⌀300

456

⌀352

4

12

666

DRAWING REVISION A	REVISION BY LK	DATE 14/05/2019		DRAWN BY LK		marathon™ Motors
ECO ECO-0167051	APPROVED BY SR	DATE 14/05/2019		DATE 14/05/2019		
ECO DESCRIPTION NEW DRAWING RELEASE				APPROVED BY SR	DESCRIPTION	OUTLINE 160L FR B14B-MTG MOTOR TYPE:SCA

DATE 14/05/2019

REFERENCE | MATERIAL | PROCESS/FINISH

THIRD ANGLE PROJECTION

SIZE B | DRAWING NUMBER 0216001064 | SHEET 1 OF 1

DRAWING REVISION A	REVISION BY SN	DATE 13/01/2017
ECO ECO-0116390	APPROVED BY SBD	DATE 13/01/2017
ECO DESCRIPTION	NEW DRAWING RELEASE	

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

NOTES:

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

8WD.442.2017

DRAWN BY SN	REGAL™ Regal Beloit America, Inc.	
DATE 16/12/2016		
APPROVED BY SBD	DESCRIPTION CONN DIAGRAM-NAMEPLATE	
DATE 16/12/2016		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER 8442000085	SHEET 1 OF 1