

General Purpose Motors

Model No: TCA7P52AE211GAA009

Catalog No: R331B

General Purpose Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 RPM, 132M
Frame, TEFC

Product Information Packet: Model No: TCA7P52AE211GAA009, Catalog No: R331B General Purpose Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 RPM, 132M Frame, TEFC

Nameplate Specifications

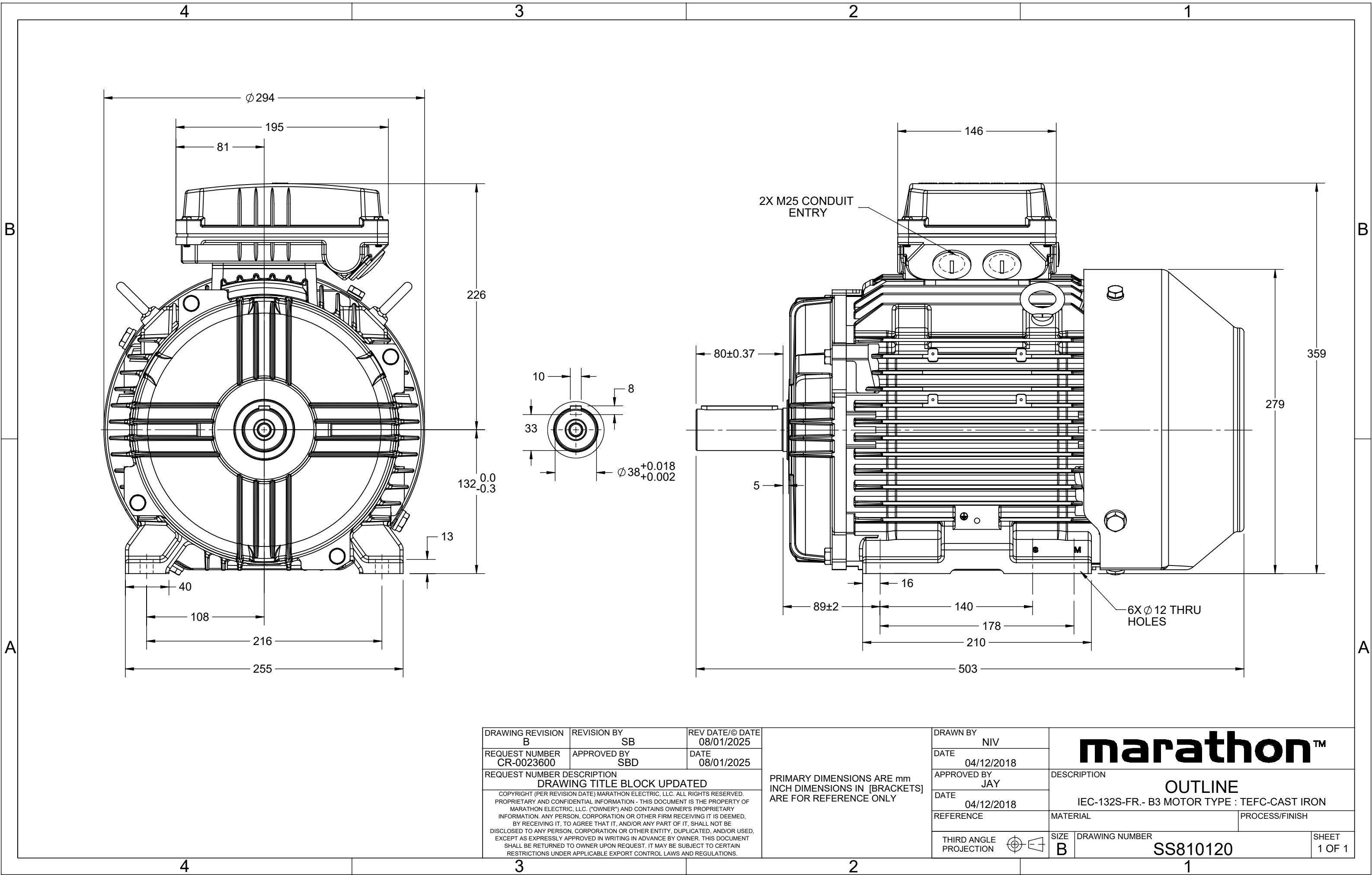
Phase	3	Output HP	10 & 7.50 Hp
Output KW	7.5 & 5.5 kW	Voltage	230/460 & 200/400 V
Speed	1775 & 1480 r/min	Synchronous RPM	1800 & 1500 r/min
Service Factor	1.15 & 1.15	Frame	132M
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	91.7 & 89.6 %	Ambient Temperature	40 °C
Frequency	60 & 50 Hz	Current	27.8/13.9 & 24.9/12.5 A
Power Factor	81	Duty	Continuous
Insulation Class	F8	Design Code	N (IEC)
KVA Code	K	Drive End Bearing Size	6308
Opp Drive End Bearing Size	6208	UL	Recognized
CSA	N	CE	Y
IP Code	55	Number of Speeds	1

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	1.05 O	Mounting	B3
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	19.8 in
Frame Length	9.449 in	Shaft Diameter	1.496 in
Shaft Extension	3.15 in	Assembly/Box Mounting	F3
Inverter Load	Constant 2:1/Variable 10:1		

Drawings

Connection Drawing	8442000715	Outline Drawing	SS810120
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DRAWING REVISION B	REVISION BY SB	REV DATE/© DATE 08/01/2025
REQUEST NUMBER CR-0023600	APPROVED BY SBD	DATE 08/01/2025
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED		
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PRIMARY DIMENSIONS ARE mm
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DRAWN BY NIV	marathon™		
DATE 04/12/2018			
APPROVED BY JAY	DESCRIPTION OUTLINE		
DATE 04/12/2018	IEC-132S-FR.- B3 MOTOR TYPE : TEFC-CAST IRON		
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER SS810120	SHEET 1 OF 1

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DRAWING REVISION
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REV DATE/© DATE
08/01/2025

REQUEST NUMBER
CR-0023654

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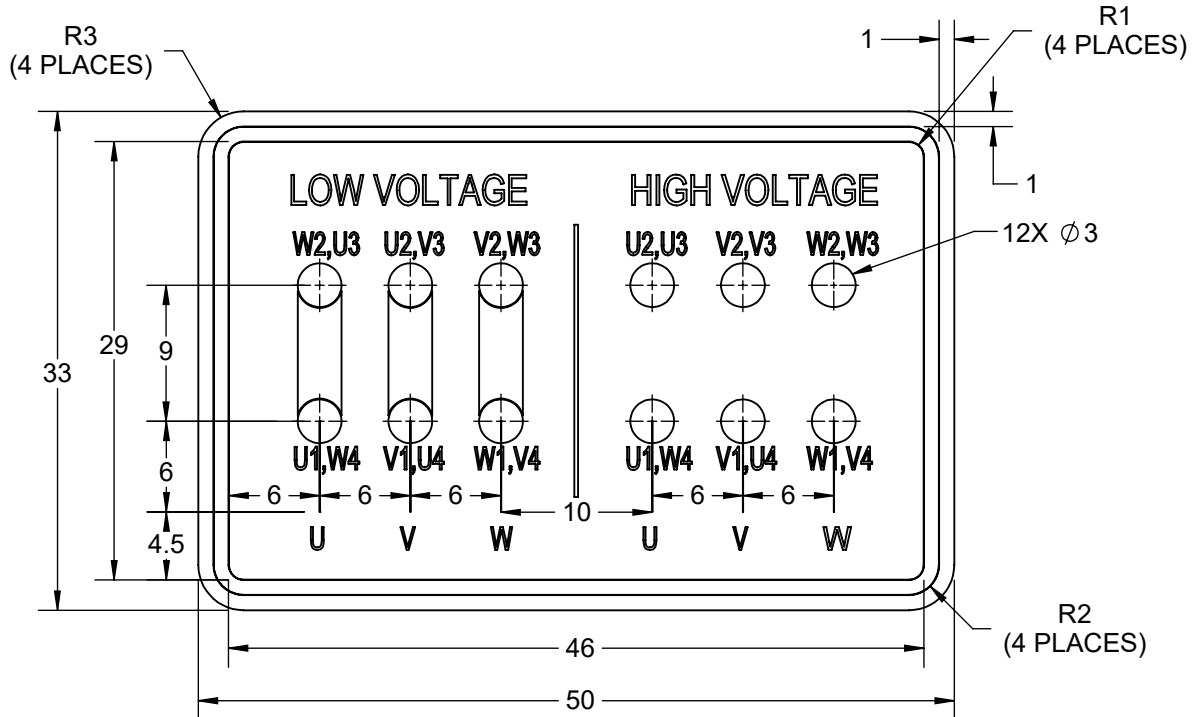
DATE
08/01/2025

REQUEST NUMBER DESCRIPTION

DRAWING TITLE BLOCK UPDATED

GEOMETRIC 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.
4. LEAD TERMINAL MARKINGS FONT SIZE : T1-T12 & U1-U4,V1-V4& W1-W4 OF ARIAL WITH 3mm SIZE
5. OTHER LETTER FONT SIZE SHOULD BE 3.5mm.

8WD.442.2017

PRIMARY DIMENSIONS ARE mm
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DRAWN BY
S.MUDDA

DATE
16/11/2020

APPROVED BY
SUMANTA

DATE
16/11/2020

REFERENCE

THIRD ANGLE
PROJECTION



marathon™

DESCRIPTION

CONN DIAGRAM-NAMEPLATE

MATERIAL

PROCESS/FINISH

SIZE
A

DRAWING NUMBER

8442000715

SHEET
1 OF 1