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# General Purpose Motors

**Model No:** TCA0041AP211GAA009
**Catalog No:** R424B

General Purpose Motor, 5.50 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 112M Frame, TEFC

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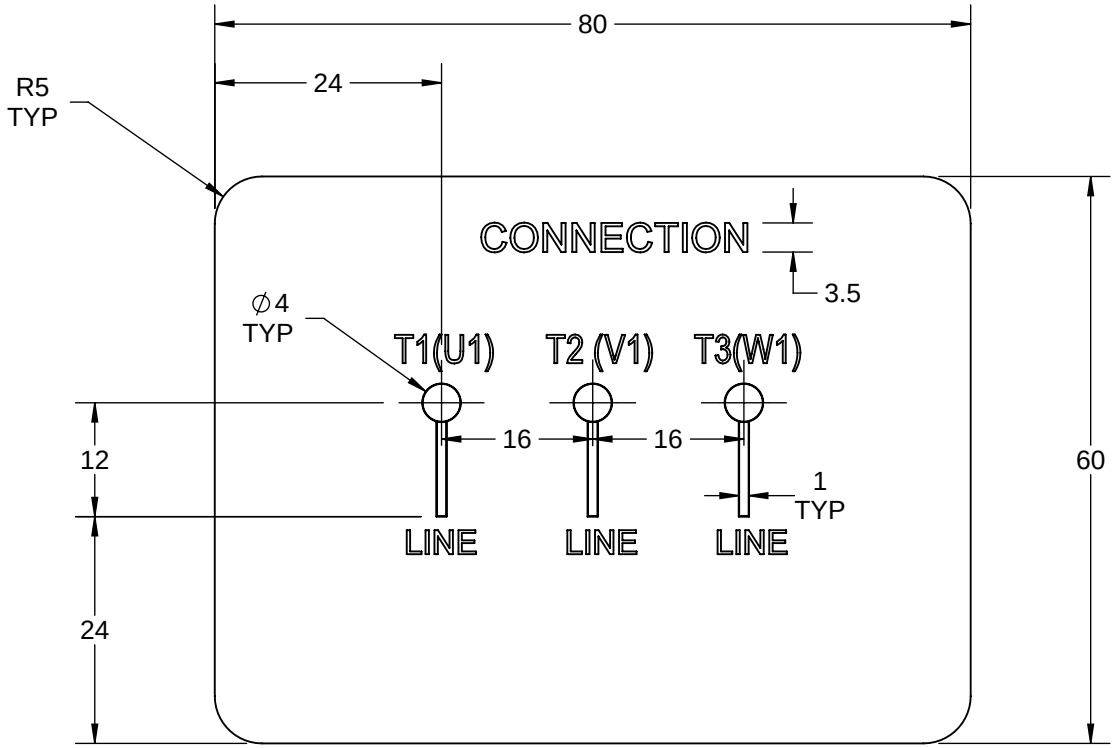
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**Product Information Packet: Model No: TCA0041AP211GAA009, Catalog No: R424B  General Purpose Motor, 5.50 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 112M Frame, TEFC**

| Nameplate Specifications | | | |
|---|---|---|---|
| Phase | **3** | Output HP | **5.50 Hp** |
| Output KW | **4.0 kW** | Voltage | **575 V** |
| Speed | **3520 r/min** | Synchronous RPM | **3600 r/min** |
| Service Factor | **1.15** | Frame | **112M** |
| Enclosure | **Totally Enclosed Fan Cooled** | Thermal Protection | **No Protection** |
| Efficiency | **89.5 %** | Ambient Temperature | **40 °C** |
| Frequency | **60 Hz** | Current | **6.9 A** |
| Power Factor | **91** | Duty | **Continuous** |
| Insulation Class | **F8** | Design Code | **N (IEC)** |
| KVA Code | **J** | Drive End Bearing Size | **6306** |
| Opp Drive End Bearing Size | **6206** | 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 | **2** | Rotation | **Reversible** |
| Resistance Main | **3.17 O** | Mounting | **B3** |
| Motor Orientation | **Horizontal** | Drive End Bearing | **Ball** |
| Opp Drive End Bearing | **Ball** | Frame Material | **Cast Iron** |
| Shaft Type | **IEC** | Overall Length | **15.71 in** |
| Frame Length | **6.85 in** | Shaft Diameter | **1.102 in** |
| Shaft Extension | **2.36 in** | Assembly/Box Mounting | **F3** |
| Inverter Load | **Constant 2:1/Variable 10:1** | | |
| **Drawings** | | | |
| Connection Drawing | **8442000685** | Outline Drawing | **SS600217** |

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| GENERAL TOLERANCE | | |
|---|---|---|
| LINEAR DIM | >0~6 | ±0.1 |
| | >6~30 | ±0.2 |
| | >30~120 | ±0.3 |




NOTES:

1. PRESSURE-SENSITIVE ADHESIVE TAPE COATED WITH ANTI-ADHESIVE.
2. YELLOW COLOR BACK GROUND LETTERS WILL BE BLACK.
3. DIMENSIONS WITHOUT INDICATED TOLERANCES SHALL CONFORM TO THE GENERAL TOLERANCE TABLE
4. LEAD TERMINAL MARKINGS FONT SIZE : T1-T2 - T3 & U1-V1-W1 OF ARIAL WITH 3mm SIZE
5. OTHER LETTER FONT SIZE SHOULD BE 3.5mm.

| DRAWING REVISION | REVISION BY | REV DATE/© DATE |
|---|---|---|
| B | SB | 06/03/2026 |
| REQUEST NUMBER | APPROVED BY | DATE |
| CR-0026504 | RMS | 06/03/2026 |

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

| | |
|---|---|
| DRAWN BY | A. KEETHA |
| DATE | 24/07/2019 |
| APPROVED BY | SN |
| DATE | 24/07/2019 |
| REFERENCE | |
| THIRD ANGLE PROJECTION | |

marathon™

DESCRIPTION
CONNECTION DIAGRAM
3 LEAD CONNECTION

| MATERIAL | PROCESS/FINISH |
|---|---|
| | |

| SIZE | DRAWING NUMBER | SHEET |
|---|---|---|
| A | 8442000685 | 1 OF 1 |