

# Explosion Proof Motors

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**Model No:** 184TTGCD6530

**Catalog No:** U024B

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Explosion Proof Motor, 5 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 184T Frame, EPFC

**Product Information Packet: Model No: 184TTGCD6530, Catalog No: U024B Explosion Proof Motor, 5 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 184T Frame, EPFC**

### Nameplate Specifications

|                            |                                            |                        |                             |
|----------------------------|--------------------------------------------|------------------------|-----------------------------|
| Phase                      | 3                                          | Output HP              | 5 Hp                        |
| Output KW                  | 3.7 kW                                     | Voltage                | 575 V                       |
| Speed                      | 1755 r/min                                 | Synchronous RPM        | 1800 r/min                  |
| Service Factor             | 1.00                                       | Frame                  | 184T                        |
| Enclosure                  | Explosion Proof Fan cooled                 | Thermal Protection     | Thermostat                  |
| Efficiency                 | 89.5 %                                     | Ambient Temperature    | 50 °C                       |
| Frequency                  | 60 Hz                                      | Current                | 5.2 A                       |
| Power Factor               | 80                                         | Duty                   | Continuous                  |
| Insulation Class           | F                                          | Design Code            | B                           |
| KVA Code                   | J                                          | Drive End Bearing Size | 6206                        |
| Opp Drive End Bearing Size | 6206                                       | UL                     | UL Listed And CSA Certified |
| CSA                        | Y                                          | CE                     | N                           |
| IP Code                    | 54                                         | Number of Speeds       | 1                           |
| Hazardous Location         | DIV 1 EXP PROOF CL I GR CD CL II GR FG T3C |                        |                             |

### Technical Specifications

|                       |                              |                   |                  |
|-----------------------|------------------------------|-------------------|------------------|
| Electrical Type       | Squirrel Cage Inverter Rated | Starting Method   | Line Or Inverter |
| Poles                 | 4                            | Rotation          | Reversible       |
| Resistance Main       | 2.69 O                       | Mounting          | Rigid Base       |
| Motor Orientation     | Horizontal                   | Drive End Bearing | Ball             |
| Opp Drive End Bearing | Ball                         | Frame Material    | Cast Iron        |
| Shaft Type            | T                            | Shaft Diameter    | 1.125 in         |
| Assembly/Box Mounting | F1 Only                      | Inverter Load     | Constant 10:1    |

### Drawings

|                    |           |                 |            |
|--------------------|-----------|-----------------|------------|
| Connection Drawing | A-EE7300T | Outline Drawing | 035660-800 |
|--------------------|-----------|-----------------|------------|

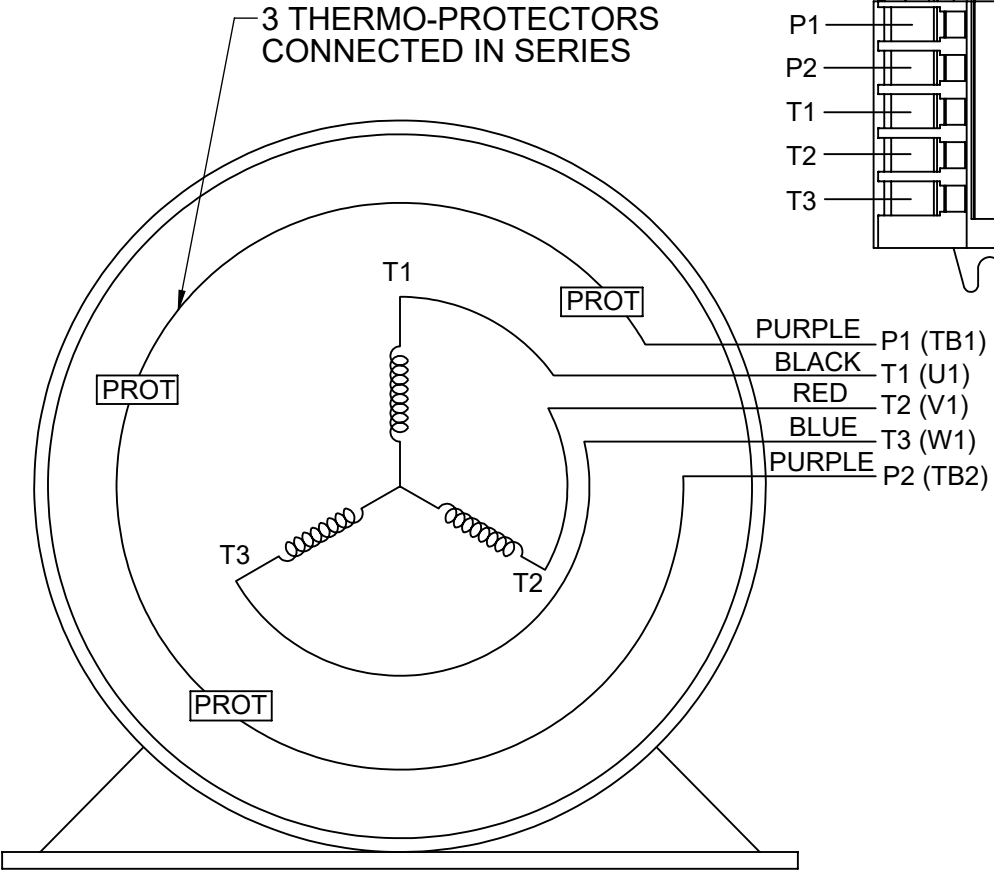
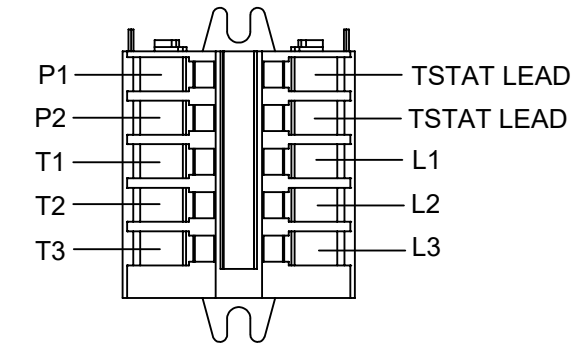


THREE PHASE - SINGLE VOLTAGE  
MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:  
INTERCHANGE ANY TWO LINE  
LEAD CONNECTIONS

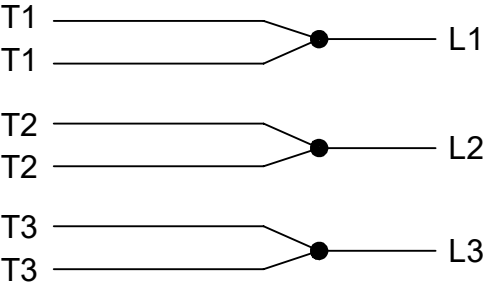
NOTE FOR FACTORY USE ONLY:  
TO SURGE TEST:  
FOR 3 LEAD COMMON CONNECT:  
CONNECT P1 TO T1 THEN P2 TO L1  
FOR 6 LEAD COMMON CONNECT:  
CONNECT P1 TO BOTH T1  
THEN P2 TO L1

TERMINAL BLOCK WHEN SPECIFIED



VIEW OF TERMINAL END

IF MOTOR HAS MULTIPLE  
T'S PER LEAD CONNECT  
TOGETHER LIKE T'S



A-9806 DECAL

T2BM  
T6AW  
T6AL  
T6Z  
T4EG  
T4BF  
T8A  
T6H  
T6A  
T4AX  
T4A  
T2A  
T2F

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------|
| DRAWING REVISION<br>AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | REVISION BY<br>SB  | REV DATE/© DATE<br>08/01/2025 |
| REQUEST NUMBER<br>CR-0023654                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | APPROVED BY<br>SBD | DATE<br>08/01/2025            |
| REQUEST NUMBER DESCRIPTION<br>DRAWING TITLE BLOCK UPDATED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                               |
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PRIMARY DIMENSIONS ARE INCH  
mm DIMENSIONS IN [BRACKETS]  
ARE FOR REFERENCE ONLY

|                           |
|---------------------------|
| DRAWN BY<br>LZ            |
| DATE<br>01-04-1994        |
| APPROVED BY<br>GK         |
| DATE<br>01-20-1994        |
| REFERENCE                 |
| THIRD ANGLE<br>PROJECTION |

|                                                                             |                           |                 |
|-----------------------------------------------------------------------------|---------------------------|-----------------|
| <b>marathon™</b>                                                            |                           |                 |
| DESCRIPTION<br>CONN DIAGRAM-EXTERNAL<br>3Ø-SINGLE VOLT-MOTOR WITH PROTECTOR |                           |                 |
| MATERIAL                                                                    | PROCESS/FINISH            |                 |
| SIZE<br>A                                                                   | DRAWING NUMBER<br>EE7300T | SHEET<br>1 OF 1 |