

# Close-Coupled Pump Motors

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**Model No:** 182TTFBD6092

**Catalog No:** GT3205A

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Close-Coupled Pump Motor, 1.50 HP, 3 Ph, 60 Hz, 575 V, 1200 RPM, 182JM Frame, TEFC

**Product Information Packet: Model No: 182TTFBD6092, Catalog No: GT3205A Close-Coupled Pump Motor, 1.50 HP, 3 Ph, 60 Hz, 575 V, 1200 RPM, 182JM Frame, TEFC**

### Nameplate Specifications

|                            |                                    |                        |                      |
|----------------------------|------------------------------------|------------------------|----------------------|
| Phase                      | <b>3</b>                           | Output HP              | <b>1.50 Hp</b>       |
| Output KW                  | <b>1.1 kW</b>                      | Voltage                | <b>575 V</b>         |
| Speed                      | <b>1175 r/min</b>                  | Synchronous RPM        | <b>1200 r/min</b>    |
| Service Factor             | <b>1.15</b>                        | Frame                  | <b>182JM</b>         |
| Enclosure                  | <b>Totally Enclosed Fan Cooled</b> | Thermal Protection     | <b>No Protection</b> |
| Efficiency                 | <b>87.5 %</b>                      | Ambient Temperature    | <b>40 °C</b>         |
| Frequency                  | <b>60 Hz</b>                       | Current                | <b>1.8 A</b>         |
| Power Factor               | <b>70</b>                          | Duty                   | <b>Continuous</b>    |
| Insulation Class           | <b>F</b>                           | Design Code            | <b>A</b>             |
| KVA Code                   | <b>N</b>                           | Drive End Bearing Size | <b>6307</b>          |
| Opp Drive End Bearing Size | <b>6205</b>                        | UL                     | <b>Listed</b>        |
| CSA                        | <b>Y</b>                           | CE                     | <b>Y</b>             |
| IP Code                    | <b>43</b>                          | Number of Speeds       | <b>1</b>             |
| Hazardous Location         | <b>DIVISION 2 T2B</b>              |                        |                      |

### Technical Specifications

|                       |                                     |                   |                                    |
|-----------------------|-------------------------------------|-------------------|------------------------------------|
| Electrical Type       | <b>Squirrel Cage Inverter Rated</b> | Starting Method   | <b>Line Or Inverter</b>            |
| Poles                 | <b>6</b>                            | Rotation          | <b>Reversible</b>                  |
| Resistance Main       | <b>6.995 O</b>                      | Mounting          | <b>Rigid Base</b>                  |
| Motor Orientation     | <b>Horizontal</b>                   | Drive End Bearing | <b>Ball</b>                        |
| Opp Drive End Bearing | <b>Ball</b>                         | Frame Material    | <b>Rolled Steel</b>                |
| Shaft Type            | <b>JM</b>                           | Shaft Diameter    | <b>1.25 in</b>                     |
| Assembly/Box Mounting | <b>F1/F2 Capable</b>                | Inverter Load     | <b>Constant 10:1/Variable 10:1</b> |

### Drawings

|                    |               |                 |                     |
|--------------------|---------------|-----------------|---------------------|
| Connection Drawing | <b>EE7300</b> | Outline Drawing | <b>SS600202-100</b> |
|--------------------|---------------|-----------------|---------------------|



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

TO REVERSE ROTATION:  
INTERCHANGE ANY TWO LINE  
LEAD CONNECTIONS

TERMINAL BLOCK WHEN SPECIFIED

IF MOTOR HAS 9 LEADS

T1(U1)

T1(U1)

T1(U1)

L1

T2(V1)

T2(V1)

T2(V1)

L2

T3(W1)

T3(W1)

T3(W1)

L3

IF MOTOR HAS 6 LEADS

T1(U1)

T1(U1)

L1

T2(V1)

T2(V1)

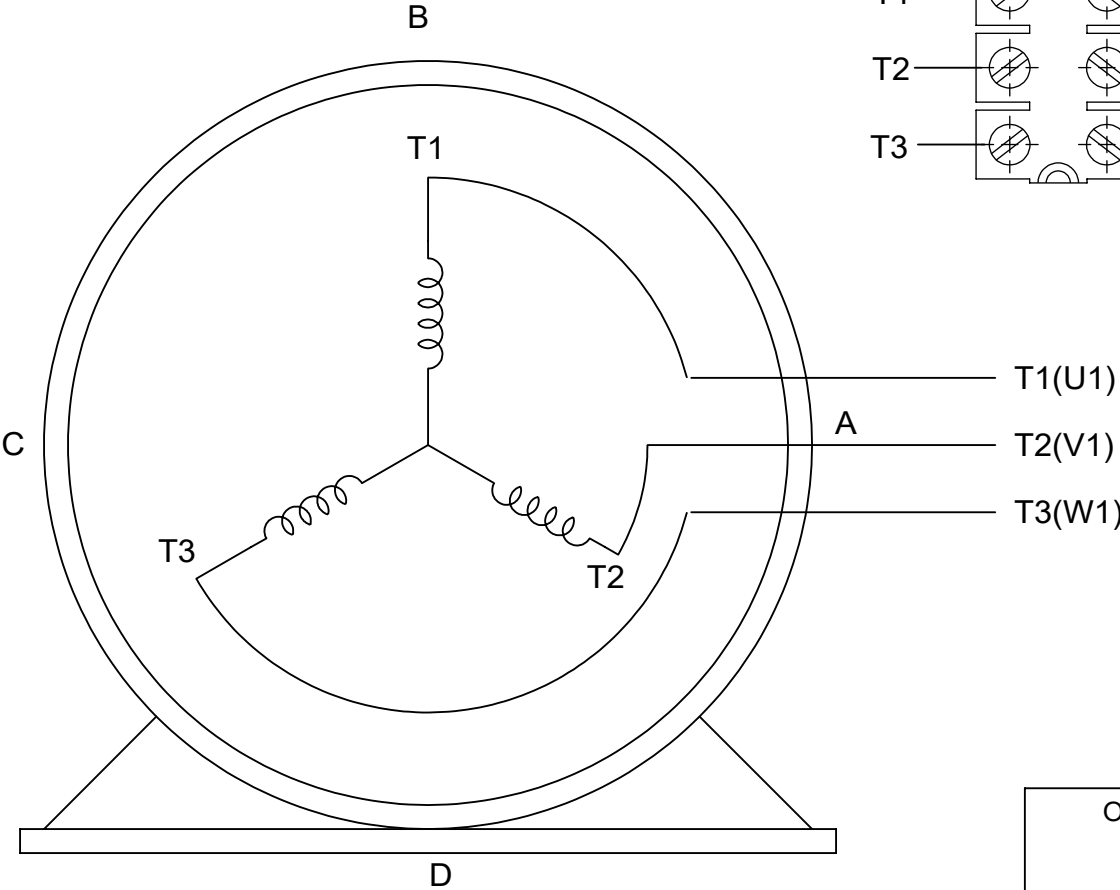
L2

T3(W1)

T3(W1)

L3

A-9806 DECAL



VIEW OF TERMINAL END

| OPTIONAL CORD CONNECTION |       |
|--------------------------|-------|
| L1                       | WHITE |
| L2                       | RED   |
| L3                       | BLACK |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------|
| DRAWING REVISION<br>AD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 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>DA            | DATE<br>03-26-1993 |
| APPROVED BY<br>TB         |                    |
| DATE<br>03-26-1993        | REFERENCE          |
| THIRD ANGLE<br>PROJECTION |                    |

|                                                                           |                          |                 |
|---------------------------------------------------------------------------|--------------------------|-----------------|
| <b>marathon™</b>                                                          |                          |                 |
| DESCRIPTION<br>CONNECTION DIAGRAM<br>EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR |                          |                 |
| MATERIAL                                                                  |                          | PROCESS/FINISH  |
| SIZE<br>A                                                                 | DRAWING NUMBER<br>EE7300 | SHEET<br>1 OF 1 |



**P.O. BOX 8003  
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**CERTIFICATION DATA SHEET****CUSTOMER:****ORDER #:****CONN. DIAGRAM:** EE7300**OUTLINE:** SS600202-182JM**WINDING #:** HE31126008 2**CUSTOMER PO#:****MODEL #:** 182TTFBD6092 AA**CUSTOMER PART #:****MOUNTING:** F1/F2 CAPABLE**TYPICAL MOTOR PERFORMANCE DATA**

| HP    | kW   | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|-------|------|-----------|----------|-------|-----------|----------|--------|
| 1 1/2 | 1.12 | 1200      | 1175     | 182JM | TEFC      | K        | B      |

| PH | Hz | VOLTS | AMPS | START TYPE       | DUTY       | INSL | S.F. | AMB°C |
|----|----|-------|------|------------------|------------|------|------|-------|
| 3  | 60 | 575   | 1.8  | LINE OR INVERTER | CONTINUOUS | F7   | 1.15 | 40    |

|                       |      |                      |      |                      |    |                 |  |                   |
|-----------------------|------|----------------------|------|----------------------|----|-----------------|--|-------------------|
| <b>FULL LOAD EFF:</b> | 87.5 | <b>3/4 LOAD EFF:</b> | 86   | <b>1/2 LOAD EFF:</b> | 84 | <b>GTD. EFF</b> |  | <b>ELEC. TYPE</b> |
| <b>FULL LOAD PF:</b>  | 70   | <b>3/4 LOAD PF:</b>  | 59.5 | <b>1/2 LOAD PF:</b>  | 48 | 86.5            |  | SQ CAGE INV RATED |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE      | B.D. TORQUE      | F.L. RISE°C |
|-------------|-------------------|------------------|------------------|-------------|
| 6.7 LB-FT   | 14.8              | 16.2 LB-FT 242 % | 25.5 LB-FT 381 % | 55          |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS / HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|------------|-----------|-----------------|---------------|-------------------|
| 50 dBA                 | 60 dBA      | - LB-FT^2  | - LB-FT^2 | 15 SEC.         | 2             | 104 LBS.          |

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | ORIENTATION | SEVERE DUTY | HAZARDOUS LOCATION | DRIP COVER      | SCREENS | PAINT        |
|-----------------|------------------|------------|-------------|-------------|--------------------|-----------------|---------|--------------|
| C-FACE          | STANDARD         | RIGID      | HORIZONTAL  | FALSE       | DIVISION 2 T2B     | PROVISIONS ONLY | NONE    | BLUE (EPOXY) |

| BEARINGS |      | GREASE     | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT MATERIAL          | FRAME MATERIAL |
|----------|------|------------|------------|------------|-------------|-------------------------|----------------|
| DE       | ODE  |            |            |            |             |                         |                |
| BALL     | BALL | POLYREX EM | JM         | NONE       | NONE        | 1045 HOT ROLLED (C-204) | ROLLED STEEL   |
| 6307     | 6205 |            |            |            |             |                         |                |

| THERMO-PROTECTORS |            |          |          | THERMISTORS | CONTROL | SPACE HEATERS |
|-------------------|------------|----------|----------|-------------|---------|---------------|
| THERMOSTATS       | PROTECTORS | WDG RTDs | BRG RTDs |             |         |               |
| NONE              | NOT        | NONE     | NONE     | NONE        | FALSE   | NONE VOLTS    |

\*

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E

S

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**INVERTER TORQUE:**

CONSTANT 10:1/VARIABLE 10:1

**INV. HP SPEED RANGE:** NONE**ENCODER:** NONE

NONE NONE

NONE NONE PPR

**BRAKE:** NONE NONE

NONE P/N NONE

NONE NONE

NONE FT-LB NONE V NONE Hz

**PREPARED BY:** DineshSuddula **DATE:**

02/13/2019 02:51:32 AM

FORM 3531 REV.3 02/07/99

\*\* Subject to change without notice.