

## Other Purpose Motors

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**Model No:** 215TBFW7028

**Catalog No:** Z115

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Other Purpose Motor, 7.50 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, 215TZ Frame, TEFC

**Product Information Packet: Model No: 215TBFW7028, Catalog No: Z115 Other Purpose Motor, 7.50 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, 215TZ Frame, TEFC**

**Nameplate Specifications**

|                            |                             |                        |                             |
|----------------------------|-----------------------------|------------------------|-----------------------------|
| Phase                      | 1                           | Output HP              | 7.50 Hp                     |
| Output KW                  | 5.6 kW                      | Voltage                | 230 V                       |
| Speed                      | 1750 r/min                  | Synchronous RPM        | 1800 r/min                  |
| Service Factor             | 1.15                        | Frame                  | 215TZ                       |
| Enclosure                  | Totally Enclosed Fan Cooled | Thermal Protection     | Manual                      |
| Efficiency                 | 85.5 %                      | Ambient Temperature    | 40 °C                       |
| Frequency                  | 60 Hz                       | Current                | 30.5 A                      |
| Power Factor               | 95                          | Duty                   | Continuous                  |
| Insulation Class           | F                           | Design Code            | L                           |
| KVA Code                   | K                           | Drive End Bearing Size | 6307                        |
| Opp Drive End Bearing Size | 6206                        | UL                     | Recognized ( Not Protector) |
| CSA                        | Y                           | CE                     | Y                           |
| IP Code                    | 43                          | Number of Speeds       | 1                           |

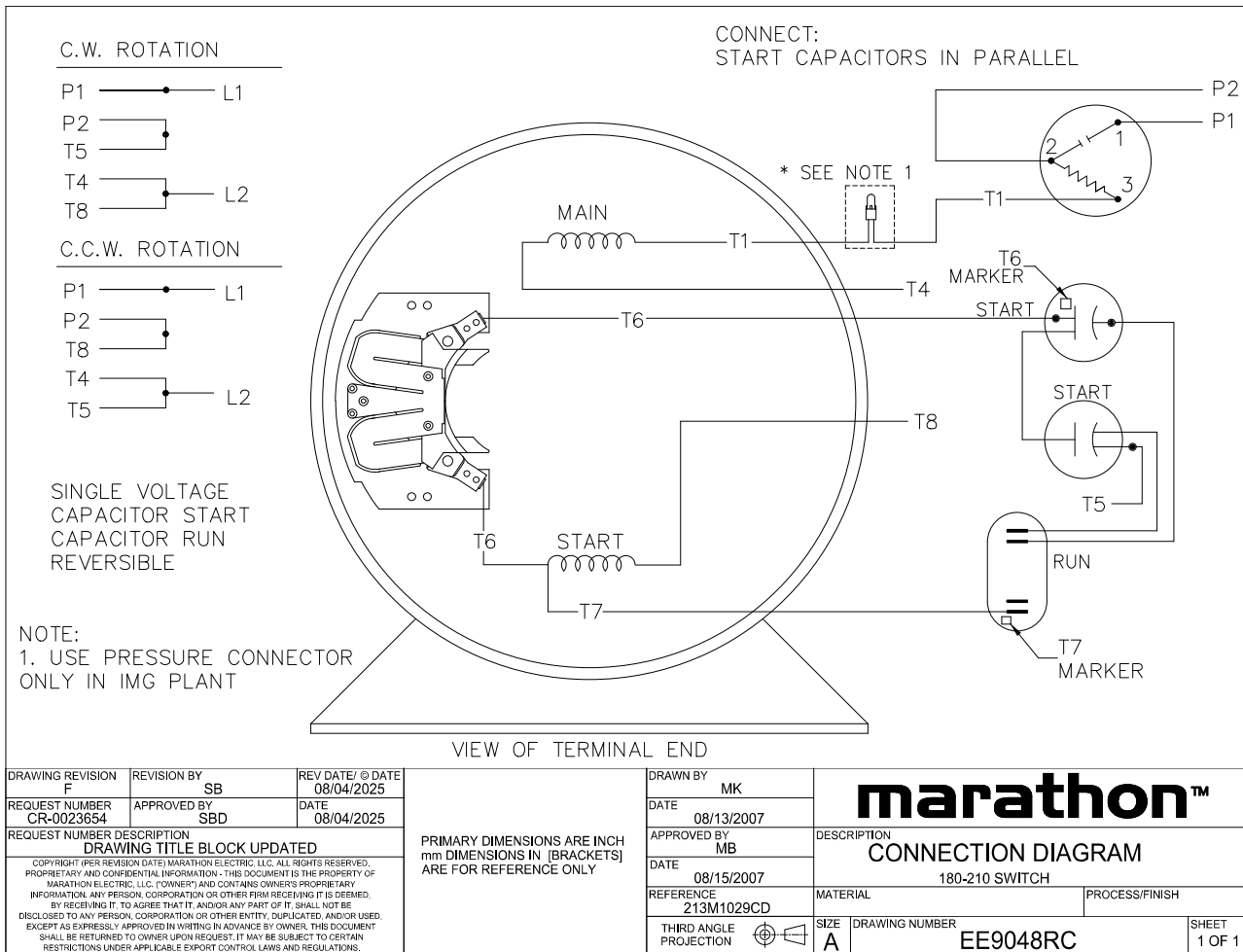
**Technical Specifications**

|                       |                               |                       |                            |
|-----------------------|-------------------------------|-----------------------|----------------------------|
| Electrical Type       | Capacitor Start Capacitor Run | Starting Method       | Across The Line            |
| Poles                 | 4                             | Rotation              | Selective Counterclockwise |
| Resistance Main       | .215 O                        | Mounting              | Rigid Base                 |
| Motor Orientation     | Horizontal                    | Drive End Bearing     | Ball                       |
| Opp Drive End Bearing | Ball                          | Frame Material        | Rolled Steel               |
| Shaft Type            | Single Special Extension      | Overall Length        | 21.09 in                   |
| Frame Length          | 12.4 in                       | Shaft Diameter        | 1 1/8 in                   |
| Shaft Extension       | 3.5 in                        | Assembly/Box Mounting | F1 Only                    |

**Drawings**

|                    |            |                 |                |
|--------------------|------------|-----------------|----------------|
| Connection Drawing | A-EE9048RC | Outline Drawing | A-SS86671-1240 |
|--------------------|------------|-----------------|----------------|

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## CERTIFICATION DATA SHEET

Model#: 215TBFW7028 DD  
 CONN. DIAGRAM: A-EE9048RC  
 OUTLINE: A-SS86671-1240

WINDING#: BK104122 NONE 1  
 ASSEMBLY: F1 ONLY

## TYPICAL MOTOR PERFORMANCE DATA

| HP    | KW  | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|-------|-----|-----------|----------|-------|-----------|----------|--------|
| 7 1/2 | 5.6 | 1800      | 1750     | 215TZ | TEFC      | K        | L      |

| PH | Hz | VOLTS | FL AMPS | START TYPE      | DUTY       | INSL | S.F  | AMB°C | ELEVATION |
|----|----|-------|---------|-----------------|------------|------|------|-------|-----------|
| 1  | 60 | 230   | 30.5    | ACROSS THE LINE | CONTINUOUS | F4   | 1.15 | 40    | 3300      |

|                     |                    |                  |          |                   |              |
|---------------------|--------------------|------------------|----------|-------------------|--------------|
| FULL LOAD EFF: 85.5 | 3/4 LOAD EFF: 84.5 | 1/2 LOAD EFF: 81 | GTD. EFF | ELEC. TYPE        | NO LOAD AMPS |
| FULL LOAD PF: 95    | 3/4 LOAD PF: 94    | 1/2 LOAD PF: 91  | 0        | CAP START CAP RUN | 7            |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE    | B.D. TORQUE    | F.L. RISE°C |
|-------------|-------------------|----------------|----------------|-------------|
| 22.5 LB-FT  | 266               | 86.5 LB-FT 384 | 58.5 LB-FT 260 | 70          |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS /HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|------------|-----------|-----------------|--------------|-------------------|
| 72 dBA                 | 82 dBA      | 0 LB-FT^2  | - LB-FT^2 | 10 SEC.         | -            | 0 LBS.            |

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

| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | ORIENTATION | SEVERE DUTY | HAZARDOUS LOCATION | DRIP COVER | SCREENS | PAINT          |
|-----------------|------------------|------------|-------------|-------------|--------------------|------------|---------|----------------|
| STANDARD        | STANDARD         | RIGID      | HORIZONTAL  | FALSE       | NONE               | FALSE      | NONE    | BLACK (ENAMEL) |

| BEARINGS |      | GREASE     | SHAFT TYPE  | SPECIAL DE          | SPECIAL ODE | SHAFT MATERIAL    | FRAME MATERIAL |
|----------|------|------------|-------------|---------------------|-------------|-------------------|----------------|
| DE       | OPE  |            |             |                     |             |                   |                |
| BALL     | BALL |            |             |                     |             |                   |                |
| 6307     | 6206 | POLYREX EM | SGL SPL EXT | 1.125 x 3.38 IN SEK | NONE        | AINI 1045 (C-240) | ROLLED STEEL   |

| THERMO-PROTECTORS |            |          |          | THERMISTORS | CONTROL | SPACE /n HEATERS |
|-------------------|------------|----------|----------|-------------|---------|------------------|
| THERMOSTATS       | PROTECTORS | WDG RTDs | BRG RTDs |             |         |                  |
| NONE              | MANUAL     | NONE     | NONE     | NONE        | FALSE   | NONE VOLTS       |

If Inverter equals NONE, contact factory for further information

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|---------------------------|
| INVERTER TORQUE: NONE     |
| INV. HP SPEED RANGE: NONE |
| ENCODER: NONE             |
| NONE NONE                 |
| NONE NONE PPR             |
| BRAKE: NONE NONE          |
| NONE P/N NONE             |
| NONE NONE                 |
| - FT-LB NONE V NONE Hz    |

DATE: 06/22/2017 07:01:04 AM  
 FORM 3531 REV.3 02/07/99  
 \*\* Subject to change without notice.