PRODUCT INFORMATION PACKET

Model No: 254TTFC6077 Catalog No: U633A XRI® General Purpose General Purpose Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1200 & 1000 RPM, 254T Frame, TEFC



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Motors



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Nameplate Specifications

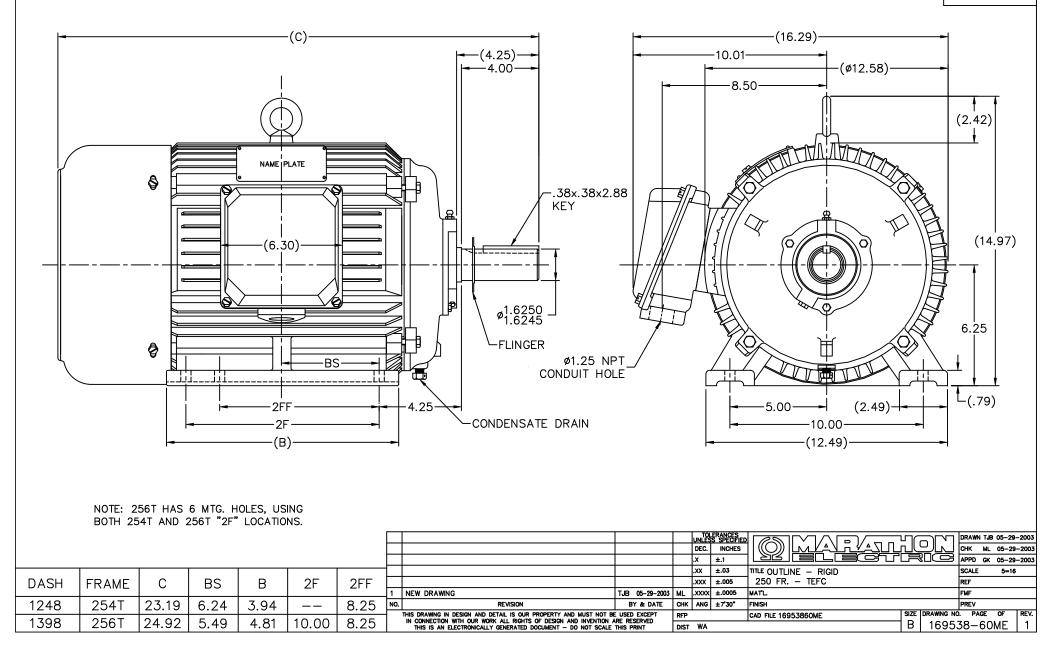
| Phase | 3 | Output HP | 7.50 & 5 Hp |
|------------------------|-------------------------|----------------------------|-----------------------------|
| Output KW | 5.6 & 3.7 kW | Voltage | 208-230/460 & 190/380 V |
| Speed | 1185 & 990 rpm | Service Factor | 1.15 & 1.15 |
| Frame | 254T | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No Protection | Efficiency | 91.7 & 91.7 % |
| Ambient Temperature | 40 °C | Frequency | 60 & 50 Hz |
| Current | 23-22.2/11.1 & 19/9.5 A | Power Factor | 70 |
| Duty | Continuous | Insulation Class | F |
| Design Code | В | KVA Code | Н |
| Drive End Bearing Size | 6309 | Opp Drive End Bearing Size | 6308 |
| UL | Recognized | CSA | Y |
| CE | Y | IP Code | 43 |
| Number of Speeds | 1 | | |

Technical Specifications

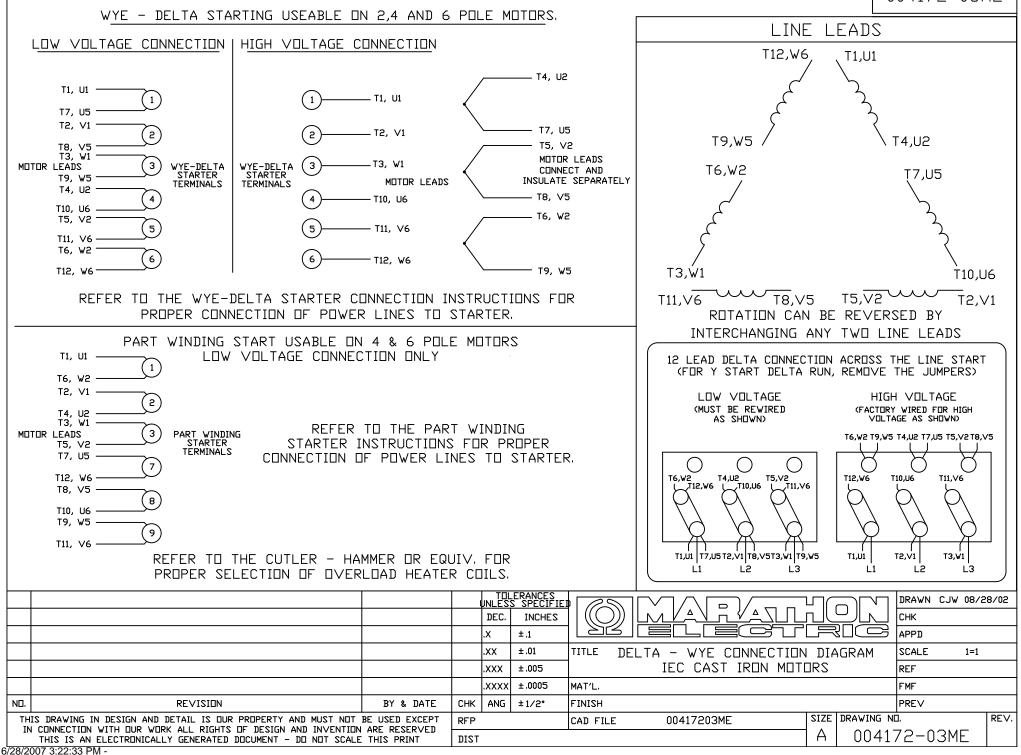
| Electrical Type | Squirrel Cage Induction Run | Starting Method | Wye Start Delta Run |
|--------------------|-----------------------------|-----------------------|---------------------|
| Poles | 6 | Rotation | Reversible |
| Mounting | Rigid Base | Motor Orientation | Horizontal |
| Drive End Bearing | Ball | Opp Drive End Bearing | Ball |
| Frame Material | Cast Iron | Shaft Type | т |
| Overall Length | 23.19 in | Shaft Diameter | 1.625 in |
| Shaft Extension | 4.25 in | Assembly/Box Mounting | F1/F2 Capable |
| Connection Drawing | 00417203ME | Outline Drawing | 16953860ME-254T |

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169538-60ME



004172-03ME



CERTIFICATION DATA SHEET

| Model#: | 254TTFC6077 AA | WINDING#: |
|----------------|----------------|-----------|
| CONN. DIAGRAM: | 00417203ME | ASSEMBLY: |
| OUTLINE: | 169538.60ME | |

T12906018 NONE 3 F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

| НР | ĸw | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|---------|-----------|-----------|----------|-------|-----------|----------|--------|
| 7 1/2&5 | 5.60&3.70 | 1200 | 1185&990 | 254T | TEFC | Н | В |

| PH | Hz | VOLTS | FL AMPS | START TYPE | DUTY | INSL | S.F | AMB°C | ELEVATION |
|----|-------|--------------|---------------|------------|-----------|------|-----------|-------|-----------|
| 3 | 60/50 | 208- | 23- | WYE START | CONTINUOU | F2 | 1.15/1.15 | 40 | 3300 |
| | | 230/460#190/ | 22.2/11.1&19/ | DELTA RUN | S | | | | |
| | | 380 | 9.5 | | | | | | |

| FULL LOAD EFF: 91.7&91.7 | 3/4 LOAD EFF: 91.7 | 1/2 LOAD EFF: 89.5 | GTD. EFF | ELEC. TYPE | NO LOAD AMPS |
|-----------------------------|--------------------|--------------------|----------|-----------------|--------------|
| FULL LOAD PF: 70&65 | 3/4 LOAD PF: 65 | 1/2 LOAD PF: 53.5 | 90.2 | SQ CAGE IND RUN | 10.6 / 5.3 |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE | B.D. TORQUE | F.L. RISE°C |
|-------------|-------------------|--------------|-----------------|-------------|
| 33.2 LB-FT | 134 / 67 | 65 LB-FT 195 | 112.5 LB-FT 338 | 26 |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS /HOUR | APPROX. MOTOR WGT |
|---------------------------|-------------|---------------|-------------|-----------------|-----------------|----------------------|
| 52 dBA | 62 dBA | 2.472 LB-FT^2 | 2.5 LB-FT^2 | - SEC. | - | - 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 | BLUE (ENAMEL) |

| BEAF | RINGS | GREASE | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT | FRAME |
|------|-------|------------|------------|------------|-------------|----------------|-----------|
| DE | OPE | | | | | MATERIAL | MATERIAL |
| BALL | BALL | POLYREX EM | т | NONE | NONE | 1045 HOT | CAST IRON |
| 6309 | 6308 | | | | | ROLLED (C-204) | |

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

If Inverter equals NONE, contact factory for further

information

| | INVERTER TORQUE: NONE | | | | | | |
|---------------|-----------------------|---------|--|--|--|--|--|
| INV. HP SPEEL | RANGE: NONE | | | | | | |
| ENCODER: N | ONE | | | | | | |
| NONE NONE | | | | | | | |
| NONE NONE | PPR | | | | | | |
| BRAKE: NON | E NONE | | | | | | |
| NONE P/ | N NONE | | | | | | |
| NONE NO | DNE | | | | | | |
| NONE FT-LB | NONE V | NONE Hz | | | | | |

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