

PRODUCT INFORMATION PACKET

Model No: 080T17W5328
Catalog No: R724
3/4, 1800, TEFC, 80, 3/60/208-230/460
Washdown Duty



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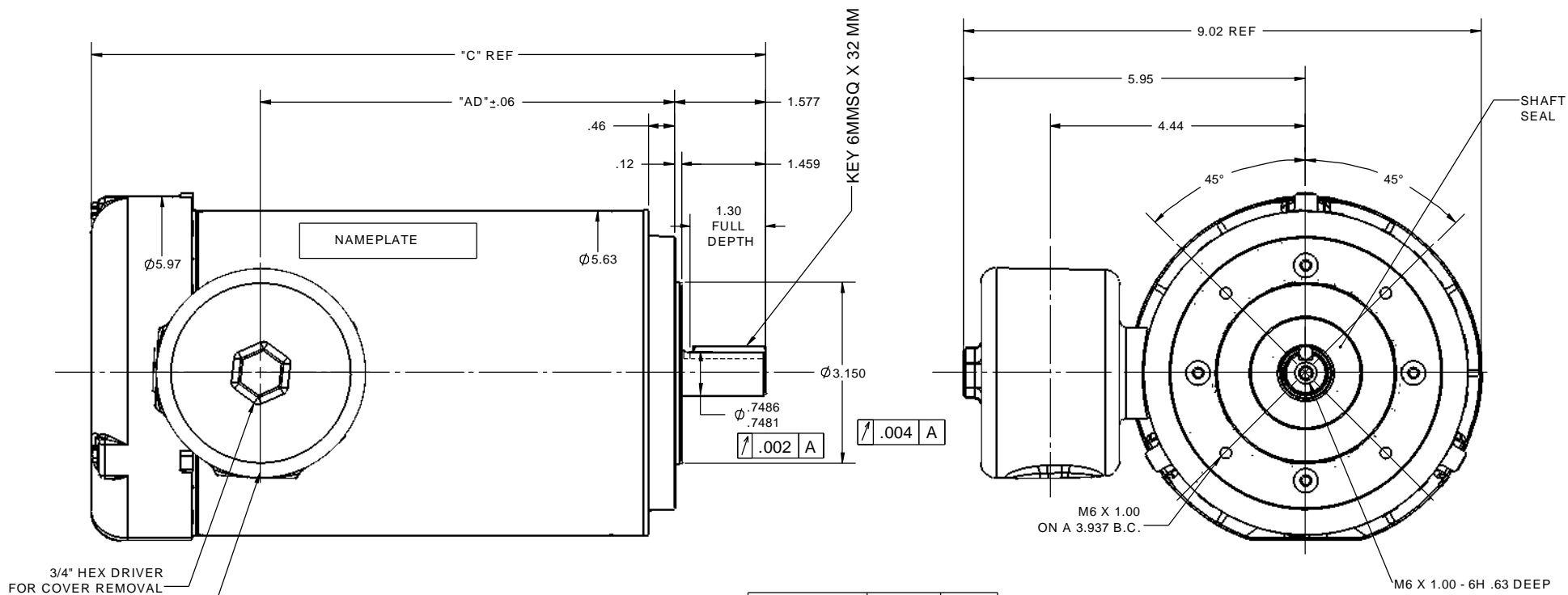
Nameplate Specifications

| | | | |
|----------------------------|------------------------------------|------------------------|----------------------|
| Output HP | 0.75 Hp | Output KW | 0.56 kW |
| Frequency | 60 Hz | Voltage | 208-230/460 V |
| Current | 2.5-2.4/1.2 A | Speed | 1725 rpm |
| Service Factor | 1.15 | Phase | 3 |
| Efficiency | 78.5 % | Duty | Continuous |
| Insulation Class | F | Design Code | B |
| KVA Code | K | Frame | 80 |
| Enclosure | Totally Enclosed Fan Cooled | Overload Protector | No |
| Ambient Temperature | 40 °C | Drive End Bearing Size | 6204 |
| Opp Drive End Bearing Size | 6204 | UL | Recognized |
| CSA | Y | CE | Y |
| IP Code | 56 | | |

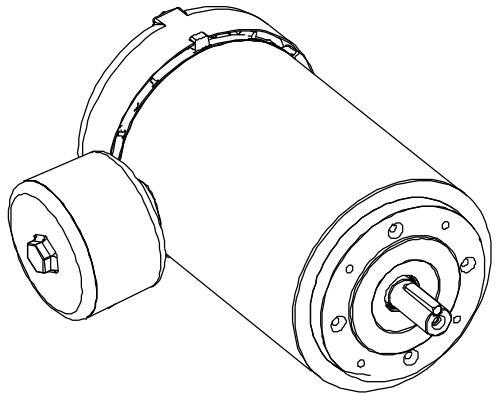
Technical Specifications

| | | | |
|-------------------|------------------------------------|-----------------------|------------------------|
| Electrical Type | Squirrel Cage Induction Run | Starting Method | Across The Line |
| Poles | 4 | Rotation | Reversible |
| Mounting | Round | Motor Orientation | Horizontal |
| Drive End Bearing | Ball | Opp Drive End Bearing | Ball |
| Frame Material | Stainless Steel | Shaft Type | IEC |
| Overall Length | 12.48 in | Shaft Diameter | 0.750 in |
| Shaft Extension | 1.57 in | Assembly/Box Mounting | F1 Only |
| Outline Drawing | 032001ME-850 | Connection Diagram | 005010.01ME |

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| DASH NO | "C" | "AD" |
|---------|-------|------|
| 625 | 10.23 | 5.71 |
| 650 | 10.48 | 5.96 |
| 675 | 10.73 | 6.21 |
| 700 | 10.98 | 6.46 |
| 725 | 11.23 | 6.71 |
| 750 | 11.48 | 6.96 |
| 775 | 11.73 | 7.21 |
| 800 | 11.98 | 7.46 |
| 825 | 12.23 | 7.71 |
| 850 | 12.48 | 7.96 |



| | | | | | | | |
|------------------------|----------|-----------------------------|----------------|----------------------------|------|--------------------|-----|
| | | TOLERANCES UNLESS SPECIFIED | | | | DRAWN PVR 10/08/13 | |
| | | DEC | INCHES | | | CHK JD 10/08/13 | |
| | | X | ±.1 | TITLE OUTLINE - TEFC | | APPR | |
| | | XX | ±.03 | IEC-80 B14 FRAME | | SCALE 1:2 | |
| | | XXX | ±.005 | MAT'L | | REF 032001 | |
| | | XXXX | ±.0005 | FINISH | | FMF 080T17W5328 | |
| NO | REVISION | BY & DATE | CHK LANG ±1/2° | PREV | SIZE | DRAWING NO | REV |
| | | | | | B | 032001ME | |
| THIRD ANGLE PROJECTION | | | | NETWORK FILE NAME 032001ME | | | |

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



| VOLTAGE | L1 | L2 | L3 | JOIN & INSULATE |
|---------|-------|-------|-------|-------------------------------|
| HIGH | T1 | T2 | T3 | (T4,T7) (T5,T8) (T6,T9) |
| LOW | T1,T7 | T2,T8 | T3,T9 | T4,T5,T6 |

| | | TOLERANCES UNLESS SPECIFIED | | MARATHON ELECTRIC | | DRAWN RDW 04/12/02 | |
|-----|----------|-----------------------------|--------|--|-------|--------------------|-------------|
| | | DEC. | INCHES | | | CHK | |
| | | .X | ±.1 | | | APPD | |
| | | .XX | ±.01 | TITLE | | SCALE 1=1 | |
| | | .XXX | ±.005 | EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR | | REF FIG.2-51 | |
| | | .XXXX | ±.0005 | MAT'L. | | FMF | |
| | | | | DECAL - 004014 | | PREV | |
| NO. | REVISION | BY & DATE | CHK | ANG | ±1/2' | FINISH | |
| | | | RFP | 04/12/02 | | CAD FILE | 00501001ME |
| | | | DIST | | | SIZE | A |
| | | | | | | DRAWING NO. | 005010-01ME |
| | | | | | | REV. | |

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CERTIFICATION DATA SHEET

Model#: 80T17W5328 A WINDING#: T55465 FR 3
 CONN. DIAGRAM: 005010.01ME ASSEMBLY: F1 ONLY
 OUTLINE: 032001ME-850

TYPICAL MOTOR PERFORMANCE DATA

| HP | KW | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|---------|-----------|-----------|-----------|-------|-----------|----------|--------|
| 3/4&3/4 | 0.56&0.56 | 1800 | 1725&1425 | 80 | TEFC | K | B |

| PH | Hz | VOLTS | FL AMPS | START TYPE | DUTY | INSL | S.F | AMB°C | ELEVATION |
|----|-------|-----------------------------|-----------------------------|--------------------|----------------|------|----------|-------|-----------|
| 3 | 60/50 | 208- 230/460#190/ 380 | 2.5- 2.4/1.2&2.6/1. 3 | ACROSS THE LINE | CONTINUOU S | F4 | 1.15/1.0 | 40 | 3300 |

| FULL LOAD EFF: 78.5&78.5 | 3/4 LOAD EFF: 76.7 | 1/2 LOAD EFF: 72.6 | GTD. EFF | ELEC. TYPE | NO LOAD AMPS |
|-----------------------------|--------------------|--------------------|----------|-----------------|--------------|
| FULL LOAD PF: 79&83.6 | 3/4 LOAD PF: 72.6 | 1/2 LOAD PF: 60.9 | 0 | SQ CAGE IND RUN | 1.3 / .7 |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE | B.D. TORQUE | F.L. RISE°C |
|-------------|-------------------|---------------|---------------|-------------|
| 36 LB-FT | 16 / 8 | 150 LB-FT 417 | 145 LB-FT 403 | 0 |

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

*** SUPPLEMENTAL INFORMATION ***

| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | ORIENTATION | SEVERE DUTY | HAZARDOUS LOCATION | DRIP COVER | SCREENS | PAINT |
|--------------------|---------------------|---------------|-------------|----------------|-----------------------|---------------|---------|----------|
| B14 | STANDARD | ROUND | HORIZONTAL | FALSE | NONE | FALSE | NONE | NO PAINT |

| BEARINGS | | GREASE | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT MATERIAL | FRAME MATERIAL |
|----------|------|------------|--------------|------------|-------------|--------------------------|--------------------|
| DE | OPE | | | | | | |
| BALL | BALL | POLYREX EM | STANDARD IEC | NONE | NONE | 303 STAINLESS (C-501) | STAINLESS STEEL |
| 6204 | 6204 | | | | | | |

| 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 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 |

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