

PRODUCT INFORMATION PACKET

Model No: 056T34WD15302
Catalog No: N455A
1 1/2,3600,TEFC,56C,3/60/230/460
Washdown Duty



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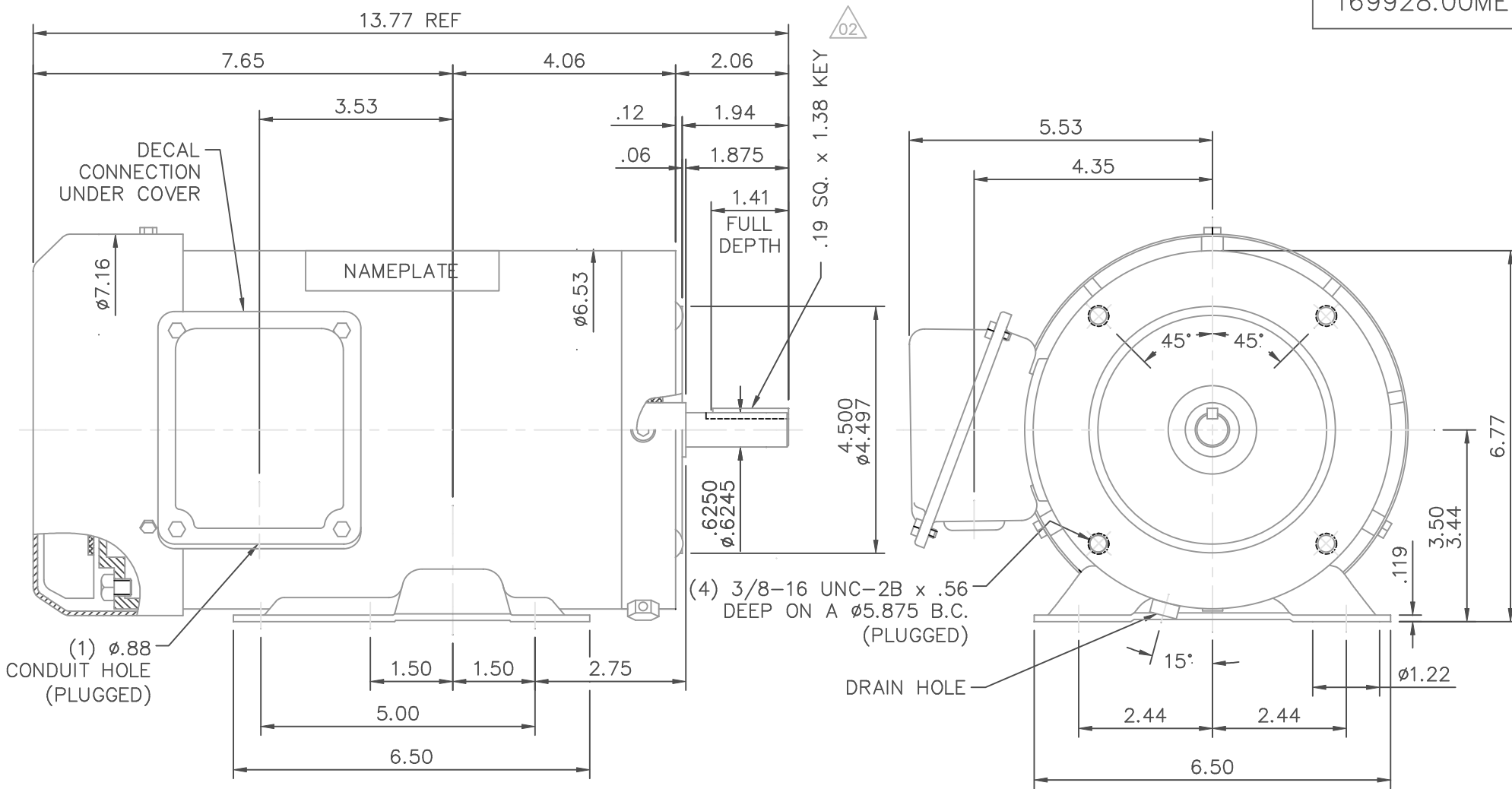
Nameplate Specifications

| | | | |
|----------------------------|------------------------------------|------------------------|----------------------|
| Output HP | 1.50 Hp | Output KW | 1.1 kW |
| Frequency | 60 Hz | Voltage | 208-230/460 V |
| Current | 4.2-3.8/1.9 A | Speed | 3510 rpm |
| Service Factor | 1.15 | Phase | 3 |
| Efficiency | 84 % | Duty | Continuous |
| Insulation Class | F | Design Code | B |
| KVA Code | M | Frame | 56HC |
| Enclosure | Totally Enclosed Fan Cooled | Overload Protector | No |
| Ambient Temperature | 40 °C | Drive End Bearing Size | 6205 |
| Opp Drive End Bearing Size | 6205 | UL | Recognized |
| CSA | Y | CE | Y |
| IP Code | 55 | | |

Technical Specifications

| | | | |
|-------------------|------------------------------------|-----------------------|------------------------|
| Electrical Type | Squirrel Cage Induction Run | Starting Method | Across The Line |
| Poles | 2 | Rotation | Reversible |
| Mounting | Rigid base | Motor Orientation | Horizontal |
| Drive End Bearing | Ball | Opp Drive End Bearing | Ball |
| Frame Material | Stainless Steel | Shaft Type | T |
| Overall Length | 13.77 in | Shaft Diameter | 0.625 in |
| Shaft Extension | 2.06 in | Assembly/Box Mounting | F1 Only |
| Outline Drawing | 16992800ME | Connection Diagram | 00501001ME |

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MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
 MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
 PERMISSIBLE SHAFT RUNOUT .002 T.I.R.

GASKETS THROUGHOUT

| | | | | TOLERANCES UNLESS SPECIFIED | | MARATHON ELECTRIC | DRAWN MGM 04/09/03 | |
|--|---|--------------|-----------|-----------------------------|---------------------|--|-------------------------|---------|
| | | | | DEC. | INCHES | | CHK RDW 04/09/03 | APPD |
| | | | | .X | ±.1 | TITLE OUTLINE - 56HC FRAME TEFC - RIGID "C" | SCALE 3=8 | |
| 02 | UPDATED SHAFT EXT DIMS | RDW 4/26/04 | SW .XXX | ±.005 | | | REF | |
| 01 | CONDUIT HOLE WAS 1/2-14 NPT, DIM .157 WAS .12 | SW 10/7/2003 | RDW .XXXX | ±.0005 | MAT'L. | | FMF | |
| NO. | REVISION | BY & DATE | CHK ANG | ±1/2' | FINISH | | PREV | |
| THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT | | | | RFP | CAD FILE 16992800ME | SIZE A | DRAWING NO. 169928.00ME | REV. 01 |
| | | | | DIST | | | | |

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 | | DRAWN RDW 04/12/02 | | | | | |
|--|----------|-----------------------------|--------|--------------------|----------|------------|------|-------------|------|
| | | DEC. | INCHES | CHK | | | | | |
| | | .X | ±.1 | APPD | | | | | |
| | | .XX | ±.01 | SCALE 1=1 | | | | | |
| | | .XXX | ±.005 | REF FIG.2-51 | | | | | |
| | | .XXXX | ±.0005 | FMF | | | | | |
| NO. | REVISION | BY & DATE | CHK | ANG | FINISH | PREV | | | |
| | | | | ±1/2" | | | | | |
| THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT | | | RFP | 04/12/02 | CAD FILE | 00501001ME | SIZE | DRAWING NO. | REV. |
| | | | DIST | | | | A | 005010-01ME | |



TITLE EXTERNAL WIRING DIAGRAM
3 PHASE W/O PROTECTOR
MAT'L. DECAL - 004014

CERTIFICATION DATA SHEET

Model#: 56T34WD15302 A WINDING#: QT63218 FR 3
 CONN. DIAGRAM: 00501001ME ASSEMBLY: F1 ONLY
 OUTLINE: 16992800ME

TYPICAL MOTOR PERFORMANCE DATA

| HP | KW | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|---------|----------|-----------|-----------|-------|-----------|----------|--------|
| 1 1/2&1 | 1.12&.75 | 3600 | 3510&2900 | 56HC | TEFC | M | B |

| PH | Hz | VOLTS | FL AMPS | START TYPE | DUTY | INSL | S.F | AMB°C | ELEVATION |
|----|-------|-----------------------------|-----------------------|--------------------|----------------|------|-----------|-------|-----------|
| 3 | 60/50 | 208- 230/460#190/ 380 | 4.2- 3.8/1.9&3/1.5 | ACROSS THE LINE | CONTINUOU S | F3 | 1.15/1.15 | 40 | 3300 |

| FULL LOAD EFF: 84&85.5 | 3/4 LOAD EFF: 85.8 | 1/2 LOAD EFF: 84.1 | GTD. EFF | ELEC. TYPE | NO LOAD AMPS |
|---------------------------|--------------------|--------------------|----------|-----------------|--------------|
| FULL LOAD PF: 88&70 | 3/4 LOAD PF: 81.8 | 1/2 LOAD PF: 69.8 | 0 | SQ CAGE IND RUN | 1.6 / .8 |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE | B.D. TORQUE | F.L. RISE°C |
|-------------|-------------------|----------------|----------------|-------------|
| 2.238 LB-FT | 42.2 / 21.1 | 8.83 LB-FT 394 | 9.81 LB-FT 438 | 0 |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS /HOUR | APPROX. MOTOR WGT |
|---------------------------|-------------|------------|-----------|-----------------|-----------------|----------------------|
| - dBA | - 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 |
|--------------------|---------------------|---------------|-------------|----------------|-----------------------|---------------|---------|----------|
| C-FACE | STANDARD | RIGID | HORIZONTAL | FALSE | NONE | FALSE | NONE | NO PAINT |

| BEARINGS | | GREASE | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT MATERIAL | FRAME MATERIAL |
|----------|------|------------|------------|------------|-------------|--------------------------|--------------------|
| DE | OPE | POLYREX EM | T | NONE | NONE | 303 STAINLESS (C-501) | STAINLESS STEEL |
| BALL | BALL | | | | | | |
| 6205 | 6205 | | | | | | |

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

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 | |
| NONE FT-LB | NONE V NONE Hz |

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