## PRODUCT INFORMATION PACKET

Model No: 071T34FH5303
Catalog No: R406
0.50 HP General Purpose, 3 phase, 3600 RPM, 575 V, 71 Frame, TEFC Aluminium TEFC Motors


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Nameplate Specifications

| Output HP | 0.50 Hp | Output KW | 0.37 kW |
| :---: | :---: | :---: | :---: |
| Frequency | 60 Hz | Voltage | 575 V |
| Current | 0.66 A | Speed | 3410 rpm |
| Service Factor | 1.15 | Phase | 3 |
| Efficiency | 74 \% | Power Factor | 79 |
| Duty | Continuous | Insulation Class | F |
| Design Code | B | KVA Code | J |
| Frame | 71 | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No | Ambient Temperature | $40^{\circ} \mathrm{C}$ |
| Drive End Bearing Size | 6203 | Opp Drive End Bearing Size | 6203 |
| UL | Recognized | CSA | Y |
| CE | Y | IP Code | 43 |

Technical Specifications

| Electrical Type | Squirrel Cage Induction Run | Starting Method | Across The Line |
| :--- | :--- | :--- | :--- |
| Poles | $\mathbf{2}$ | Rotation | Reversible |
| Resistance Main | $\mathbf{7 5}$ Ohms | Mounting | B3 |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Aluminum |
| Shaft Type | IEC | Overall Length | 9.44 in |
| Frame Length | $\mathbf{4 . 6 8 \text { in }}$ | 1.18 in | Shaft Diameter |
| Shaft Extension | 16986000 ME | Assembly/Box Mounting | 0.555 in |
| Outline Drawing |  | Connection Drawing | F3 |

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|  |  |  | TOLERANCES UNLESS SPECIFIED |  |  |  |  | DRAWN JGO 3/10/04 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | DEC. | INCHES |  |  |  | CHK |  |  |  |
|  |  |  | . | $\pm .1$ |  |  |  | APPD |  |  |  |
|  |  |  | . $x$ x | $\pm .01$ | TITLE | EXTERNAL WIRING DIAGRAM PPE "T" W/O PROT W/TERM. |  | SCALE |  | $3=4$ |  |
|  |  |  | . XXX | $\pm .005$ | TYPE "T" W/O PROT W/TERM. BLOCK |  |  | REF |  |  |  |
|  |  |  | . XXXX | $\pm .0005$ | MAT'L. |  |  | FMF |  |  |  |
| NO. | REVISION | CHK | ANG | $\pm 1 / 2^{\circ}$ | FINISH |  |  | PREV |  |  |  |
|  | THIS DRAWNG 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 | RFP |  |  | CAD FILE |  | 00546801ME | DRAWING NO.$005468-01 \mathrm{ME}$ |  |  |  | REV. |
|  |  | DIST |  |  |  | $A$ |  |  |  |  |  |

## CERTIFICATION DATA SHEET

| Model\#: | 71T34FH5303A | WINDING\#: | QT7121FR 4 |
| :--- | :--- | :--- | :--- |
| CONN. DIAGRAM: | 00546801ME | ASSEMBLY: | F3 |
| OUTLINE: | 16986000 ME |  |  |
|  |  |  | TYPICAL MOTOR PERFORMANCE DATA |


| HP | Kw |  | SYNC. RPM | F.L. RPM | FRAME | enclosure |  | KVA CODE |  | DESIGN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1/2\&1/2 | . $37 \% .37$ |  | 3600 | 3410 | D71 | TEFC |  | J |  | B |
| PH | Hz | volts | FL AMPS | START TYPE | DUTY | INSL | S.F |  | AMB $^{\circ} \mathrm{C}$ | elevation |
| 3 | 60/50 | 575\#480 | .668.79 | ACROSS THE | continuou s | F5 | 1.15/1 |  | 40 | 3300 |


| FULL LOAD EFF: 74 | 3/4 LOAD EFF: 72 | 1/2 LOAD EFF: 71 | GTD. EFF | ELEC. TYPE | NO LOAD AMPS |
| :---: | :---: | :---: | :---: | :---: | :---: |
| FULL LOAD PF: 79 | 3/4 LOAD PF: 70.5 | 1/2 LOAD PF: 55 | - | SQ CAGE IND RUN | .4 |


| F.L. TORQUE | LOCKED ROTOR AMPS |  | L.r. TORQUE | B.D. TORQUE |  | F.L. RISE ${ }^{\circ} \mathrm{C}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0 LB-FT |  | 3.7 | 36 LB-FT 300 | 37.2 LB-FT 310 |  | 0 |
| SOUND PRESSURE $\text { @ } 3 \text { FT. }$ | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS /HOUR | APPROX. MOTOR WGT |
| -dBA | dBA | 0LB-FT^2 | LB-FT^2 | SEC. |  | 0 LBS. |

*** SUPPLEMENTAL INFORMATION ***

| de bracket TYPE | ODE BRACKET <br> TYPE | MOUNT TYPE | ORIENTATION |  | SEVERE DUTY |  | HAZARDOUS Location |  | DRIP COVER |  | screens |  | PAINT |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Standard | Standard | в3 | HORIZONTAL |  | FALSE |  | NONE |  | FALSE |  | NONE |  | BLUE (ENAMEL |
| BEARINGS |  | grease |  | SHAFT TYPE |  | SPECIAL DE |  | SPECIAL Ode |  | SHAFT MATERIAL |  |  | FRAME mATERIAL |
| DE | OPE |  |  |  |  |  |  |  |  |  |  |  |  |
| BALL | BALL | POLYREX EM |  | Standard IEC |  | NONE |  | NONE |  | 1045 HOT ROLLED (C-204) |  |  | ALUMINUM |
| 6203 | 6203 |  |  |  |  |  |  |  |  |  |  |  |  |
| THERMO-PROTECTORS |  |  |  |  |  |  | thermistors |  |  | CONTROL |  | SPACE /n HEATERS |  |
| THERMOSTAT | 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

$$
\begin{aligned}
& \text { NVERTER TORQUE: NONE } \\
& \text { NV. HP SPEED RANGE: NON }
\end{aligned}
$$

NGE: NONE
NCODER: NONE

$$
\begin{array}{ll}
\text { NONE } & \text { NONE } \\
\text { NONE } & \text { NONE PPR } \\
\hline \hline
\end{array}
$$

BRAKE: NONE NONE
VONE P/N NON
IONE NONE

$$
\begin{aligned}
& \text { NONE NONE NONE V NONE Hz } \\
& \text { NONEFT-LB }
\end{aligned}
$$

