

# PRODUCT INFORMATION PACKET



Model No: C6T34WC25A

Catalog No: 119460.00

119460.00..2HP..3490RPM.56J.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.C  
FACE.C6T34WC25.....WASHDOWN JET PUMP.NONE.....

Jet Pump



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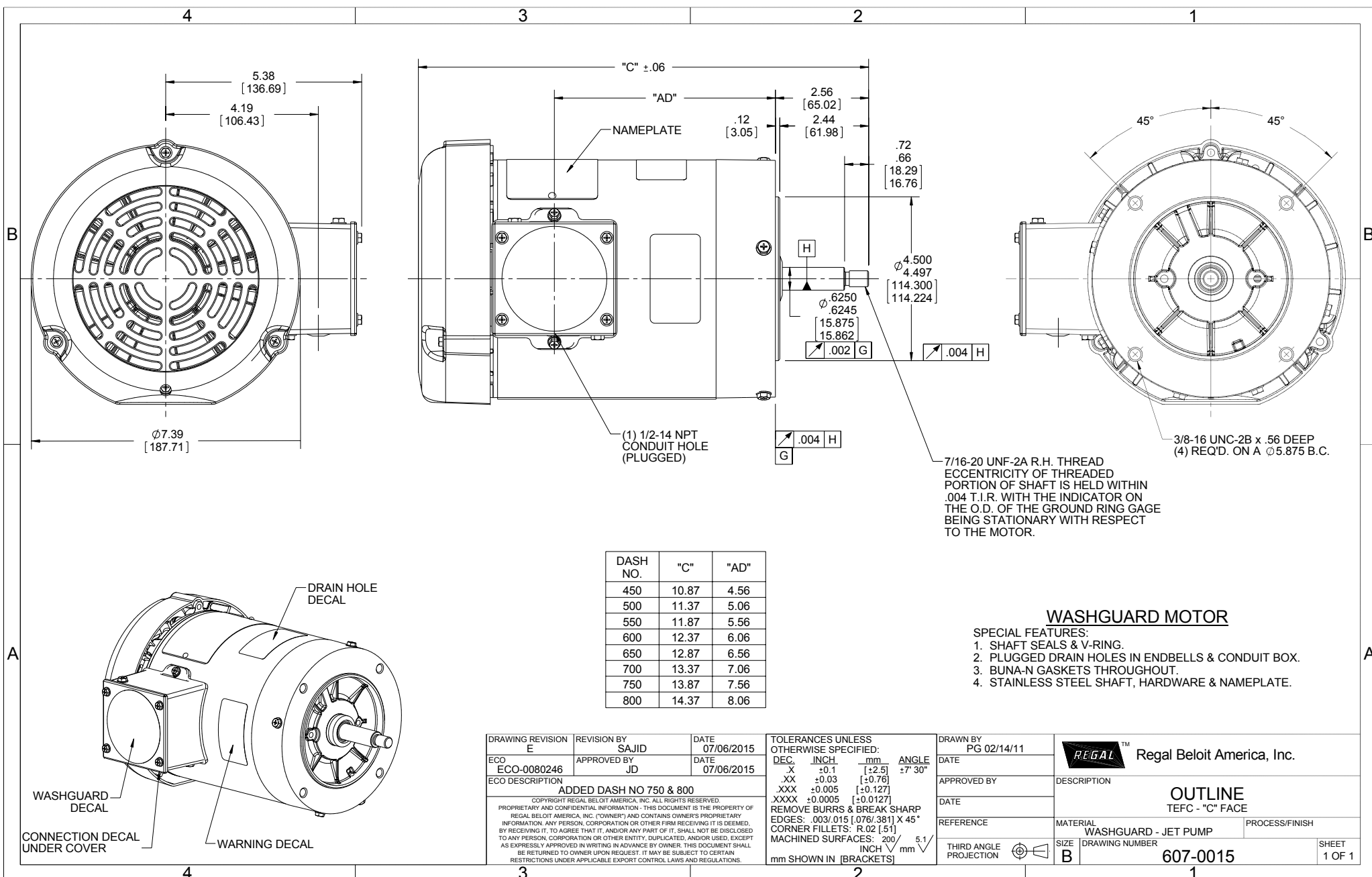


## Nameplate Specifications

|                            |                             |                        |               |
|----------------------------|-----------------------------|------------------------|---------------|
| Output HP                  | 2 Hp                        | Output KW              | 1.5 kW        |
| Frequency                  | 60 Hz                       | Voltage                | 208-230/460 V |
| Current                    | 5.2-4.8/2.4 A               | Speed                  | 3490 rpm      |
| Service Factor             | 1.15                        | Phase                  | 3             |
| Efficiency                 | 85.5 %                      | Duty                   | Continuous    |
| Insulation Class           | F                           | Design Code            | B             |
| KVA Code                   | L                           | Frame                  | 56J           |
| Enclosure                  | Totally Enclosed Fan Cooled | Overload Protector     | No            |
| Ambient Temperature        | 40 °C                       | Drive End Bearing Size | 6205          |
| Opp Drive End Bearing Size | 6203                        | UL                     | Recognized    |
| CSA                        | Y                           | CE                     | Y             |
| IP Code                    | 55                          |                        |               |

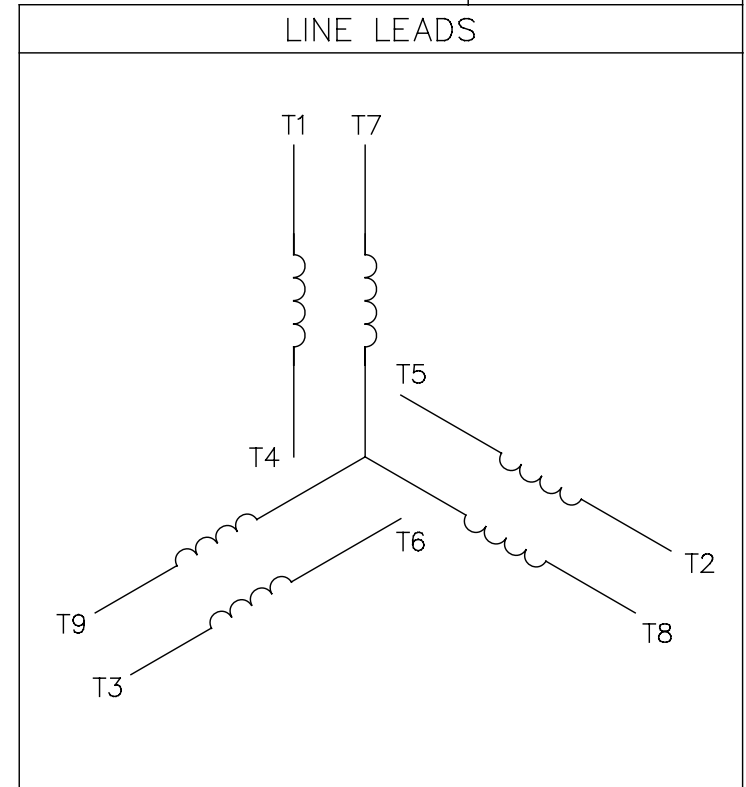
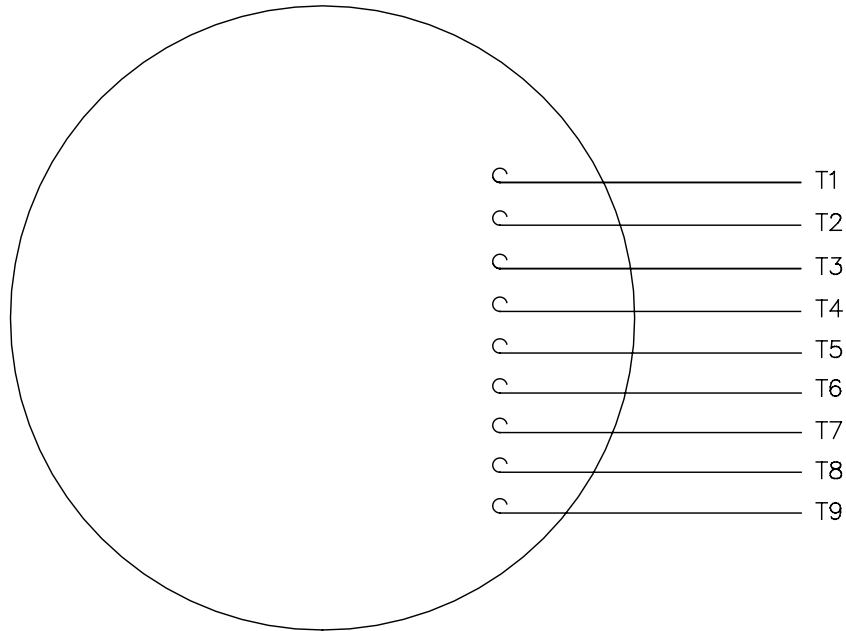
## Technical Specifications

|                       |                             |                       |                 |
|-----------------------|-----------------------------|-----------------------|-----------------|
| Electrical Type       | Squirrel Cage Induction Run | Starting Method       | Across The Line |
| Poles                 | 2                           | Rotation              | Reversible      |
| Mounting              | Round                       | Motor Orientation     | HORIZONTAL      |
| Drive End Bearing     | BALL                        | Opp Drive End Bearing | BALL            |
| Frame Material        | Rolled Steel                | Shaft Type            | J               |
| Overall Length        | 13.87 in                    | Frame Length          | 7.50 in         |
| Shaft Diameter        | 0.625 in                    | Shaft Extension       | 2.44 in         |
| Assembly/Box Mounting | F1 ONLY                     |                       |                 |
| Outline Drawing       | 607-0015-750                | Connection Diagram    | 005010.01       |



005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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

|                                                                                                                                                                                                                                        |                       |              |     |                                |        |                                                                                                                         |  |           |                          |  |           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------|-----|--------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------|--|-----------|--------------------------|--|-----------|
|                                                                                                                                                                                                                                        |                       |              |     | TOLERANCES<br>UNLESS SPECIFIED |        |  <b>Regal Beloit America, Inc.</b> |  |           | DRAWN RDW 04/12/02       |  |           |
|                                                                                                                                                                                                                                        |                       |              |     | DEC.                           | INCHES |                                                                                                                         |  |           | CHK                      |  |           |
|                                                                                                                                                                                                                                        |                       |              |     | .X                             | ±.1    |                                                                                                                         |  |           | APPD                     |  |           |
|                                                                                                                                                                                                                                        |                       |              |     | .XX                            | ±.01   |                                                                                                                         |  |           | SCALE 1=1                |  |           |
|                                                                                                                                                                                                                                        |                       |              |     | .XXX                           | ±.005  | TITLE<br>EXTERNAL WIRING DIAGRAM<br>3 PHASE W/O PROTECTOR                                                               |  |           | REF FIG.2-51             |  |           |
| A                                                                                                                                                                                                                                      | UPDATED TO REGAL LOGO | SAJ 06/26/15 | AJY | .XXXX                          | ±.0005 |                                                                                                                         |  |           | MAT'L DECAL - 004014     |  |           |
| 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<br>IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED<br>THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT |                       |              |     | RFP 04/12/02                   |        | CAD FILE 00501001                                                                                                       |  | SIZE<br>A | DRAWING NO.<br>005010-01 |  | REV.<br>A |
|                                                                                                                                                                                                                                        |                       |              |     | DIST BRF-NLV                   |        |                                                                                                                         |  |           |                          |  |           |



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DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.01  
OUTLINE: 607-0015-750  
WINDING: T632174

FR 3

CAT #: 119460.00

TYPICAL MOTOR PERFORMANCE DATA

|              |       |                     |                      |                 |            |               |          |                 |                 |             |           |
|--------------|-------|---------------------|----------------------|-----------------|------------|---------------|----------|-----------------|-----------------|-------------|-----------|
| HP           | KW    | SYNC RPM            | FL RPM               | FRAME           | ENCLOSURE  | TYPE          | KVA CODE | DESIGN          |                 |             |           |
| 2            | 1.5   | 3600                | 3511                 | 56J             | TEFC       | TFR           | L        | B               |                 |             |           |
|              |       |                     |                      |                 |            |               |          |                 |                 |             |           |
| PH           | HZ    | VOLTS               | AMPS                 | START TYPE      | DUTY       | INSL          | S.F.     | AMB             | ELEV.           |             |           |
| 3            | 60/50 | 208-230/460#190/380 | 5-2-4-9/2.45&4.6/2.3 | ACROSS THE LINE | CONT       | F             | 1.15     | 40              | 3300            |             |           |
|              |       |                     |                      |                 |            |               |          |                 |                 |             |           |
| F.L. EFF     |       | 87.1                | 3/4 LD EFF           | 86.7            | 1/2 LD EFF | 85.5          | GTD EFF  |                 | ELECT. TYPE     |             |           |
| F.L. PF      |       | 88.4                | 3/4 LD PF            | 82.1            | 1/2 LD PF  | 72.2          | 0.0      |                 | SQ CAGE IND RUN |             |           |
|              |       |                     |                      |                 |            |               |          |                 |                 |             |           |
| F.L. TORQUE  |       | LR AMPS @ 460 V     |                      | L.R. TORQUE     |            | B.D. TORQUE   |          | F.L. RISE (°C)  |                 |             |           |
| 3.0          | LB-FT | 26.0                |                      | 10.8 LB-FT      |            | 360%          |          | 13.0 LB-FT      | 433%            | 46          |           |
|              |       |                     |                      |                 |            |               |          |                 |                 |             |           |
| PRESSURE @ 3 |       | POWER               |                      | ROTOR WK²       |            | MAX. LOAD WK² |          | SAFE STALL TIME |                 | STARTS/HOUR | MOTOR WGT |
| 0            | DBA   | 9 DBA               |                      | 0.08 LB-FT²     |            | 0.1 LB-FT²    |          | 10 SEC.         |                 | 0           | 0 LB.     |

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

| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE   | MOTOR ORIENTATION | SEVERE DUTY  | HAZARDOUS LOCATION    | DRIIP COVER   | SCREENS        | PAINT             |
|-----------------|------------------|--------------|-------------------|--------------|-----------------------|---------------|----------------|-------------------|
| C-FACE          | STANDARD         | ROUND        | HORIZONTAL        | NO           | NONE                  | NO            | NONE           | HITE -LEESON (EPO |
|                 |                  |              |                   |              |                       |               |                |                   |
| BEARINGS        |                  | SHAFT TYPE   | SPECIAL DE        | SPECIAL ODE  | SHAFT                 | MATERIAL      | FRAME MATERIAL |                   |
| DE              | ODE              |              |                   |              |                       |               |                |                   |
| BALL 6205       | BALL 6203        |              |                   |              |                       |               |                |                   |
| POLYREX EM      |                  | JET PUMP     | NONE              | NONE         | 303 STAINLESS (C-501) | ROLLED STEEL  |                |                   |
|                 |                  |              |                   |              |                       |               |                |                   |
| THERMOSTATS     | PROTECTORS       | WDG RTD's    | BRG RTD's         | THERMISTORS  | CONTROL               | SPACE HEATERS |                |                   |
| NONE            | NOT              | NONE         | NONE              | NONE         | FALSE                 | NA            |                |                   |
|                 |                  |              |                   |              |                       |               |                |                   |
| R1 (ohms/ph)    | R2 (ohms/ph)     | X1 (ohms/ph) | X2 (ohms/ph)      | Xm (ohms/ph) | VIBRATION (in/sec)    |               | FLOAT ODE      |                   |
| 0               | 0                | 0            | 0                 | 0            | 0.150                 |               |                |                   |

|                                 |               |                           |  |
|---------------------------------|---------------|---------------------------|--|
| *<br>N<br>O<br>T<br>E<br>S<br>* |               | INVERTER TORQUE: NONE     |  |
|                                 |               | INV. HP SPEED RANGE: NONE |  |
|                                 |               |                           |  |
|                                 |               |                           |  |
|                                 |               |                           |  |
|                                 |               |                           |  |
|                                 |               |                           |  |
|                                 |               |                           |  |
|                                 |               |                           |  |
|                                 |               |                           |  |
|                                 | ENCODER: NONE |                           |  |
|                                 | NONE          |                           |  |
|                                 | NONE          | NONE PPR                  |  |

Data Sheet

Date: 2/15/2018

119460.00



Data @ 460 V

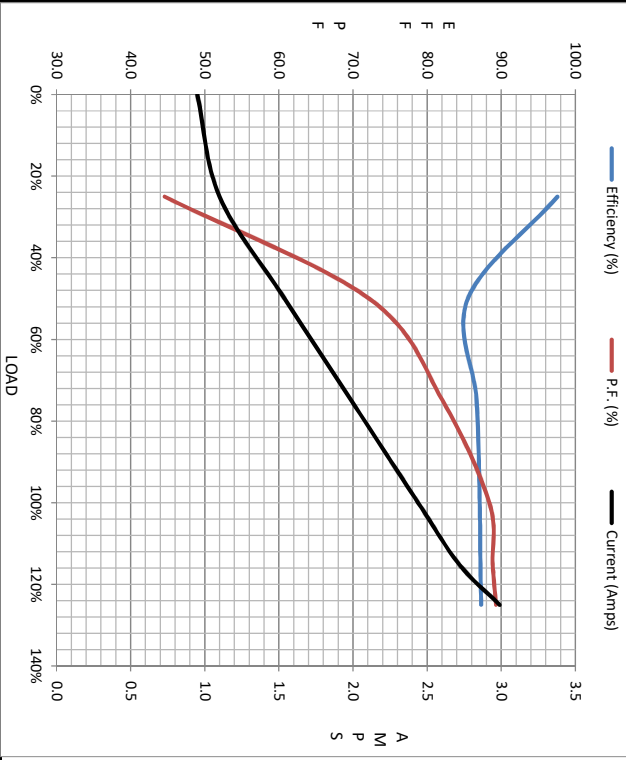
Motor Load Data

| Load           | 0%   | 25%  | 50%  | 75%  | 100% | 115% | 125% | LR   |
|----------------|------|------|------|------|------|------|------|------|
| Current (Amps) | 0.95 | 1.10 | 1.54 | 1.99 | 2.44 | 2.72 | 2.99 | 26.0 |
| Torque (ft-lb) | 0.00 | 0.75 | 1.50 | 2.25 | 3.0  | 3.4  | 3.8  | 10.8 |
| RPM            | 3600 | 3581 | 3555 | 3533 | 3511 | 3501 | 3487 | 0    |
| Efficiency (%) |      | 97.6 | 85.5 | 86.7 | 87.1 | 87.2 | 87.3 |      |
| P.F. (%)       | 16.8 | 44.6 | 72.2 | 82.1 | 88.4 | 88.9 | 89.3 | 0.0  |

Motor Speed Data

|                | LR   | Pull-Up | BD   | Rated | Idle |
|----------------|------|---------|------|-------|------|
| Speed (RPM)    | 0    | 200     | 2300 | 3511  | 3600 |
| Current (Amps) | 26.0 | 23.9    | 15.6 | 2.44  | 0.95 |
| Torque (ft-lb) | 10.8 | 10.5    | 13.0 | 3.0   | 0.00 |

|                   |      |
|-------------------|------|
| Information Block |      |
| HP                | 2.0  |
| Sync. RPM         | 3600 |



|                            |                     |        |        |        |
|----------------------------|---------------------|--------|--------|--------|
| Enclosure                  | TEFC                |        |        |        |
| Construction               | TFR                 |        |        |        |
| Voltage                    | 208-230/460#190/380 |        | V      |        |
| Frequency                  | 60                  |        | Hz     |        |
| Design                     | A                   |        |        |        |
| LR Code letter             | L                   |        |        |        |
| Service Factor             | 1.15                |        |        |        |
| Temp Rise @ FL             | 46 ° C              |        |        |        |
| Duty                       | CONT                |        |        |        |
| Ambient                    | 40 ° C              |        |        |        |
| Elevation                  | 1,000 feet          |        |        |        |
| Rotor/Shaft wk²            | 0.08 lb-Ft²         |        |        |        |
| Rel Wdg                    | T632174 FR          |        |        |        |
| Sound Pressure @ 1M        | 0                   |        | dBA    |        |
| VFD Rating                 | NONE                |        |        |        |
| Outline Dwg                | 607-0015-750        |        |        |        |
| Conn. Diag                 | 006010.01           |        |        |        |
| Additional Specifications: |                     |        |        |        |
| 0                          |                     |        |        |        |
| 0                          |                     |        |        |        |
| EQUIV CKT (OHMS / PHASE)   |                     |        |        |        |
| R1                         | R2                  | X1     | X2     | Xm     |
| 0.0000                     | 0.0000              | 0.0000 | 0.0000 | 0.0000 |

Speed - Torque Curve

