

# PRODUCT INFORMATION PACKET



Model No: 132435.00  
Catalog No: 132435.00  
5HP..1200RPM.182TC.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15 S.F..RIGID C FACE.....GENERAL PURPOSE.....  
General Purpose Motors



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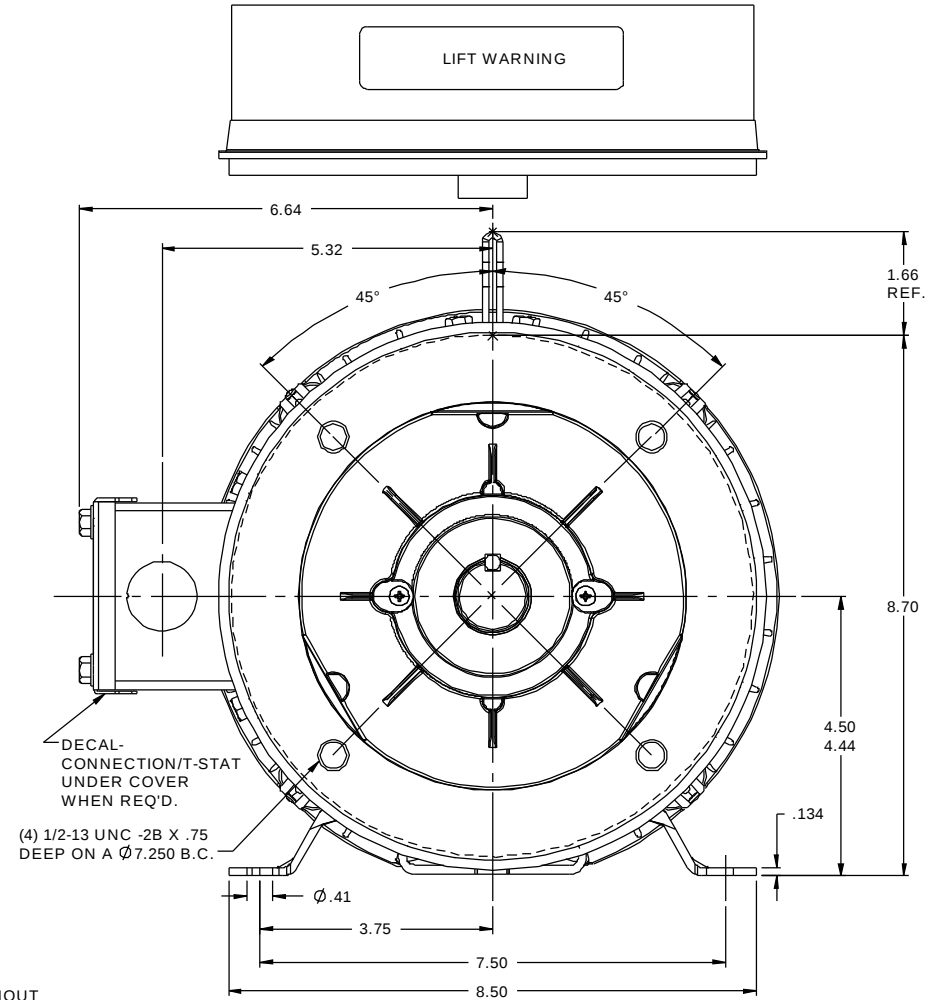
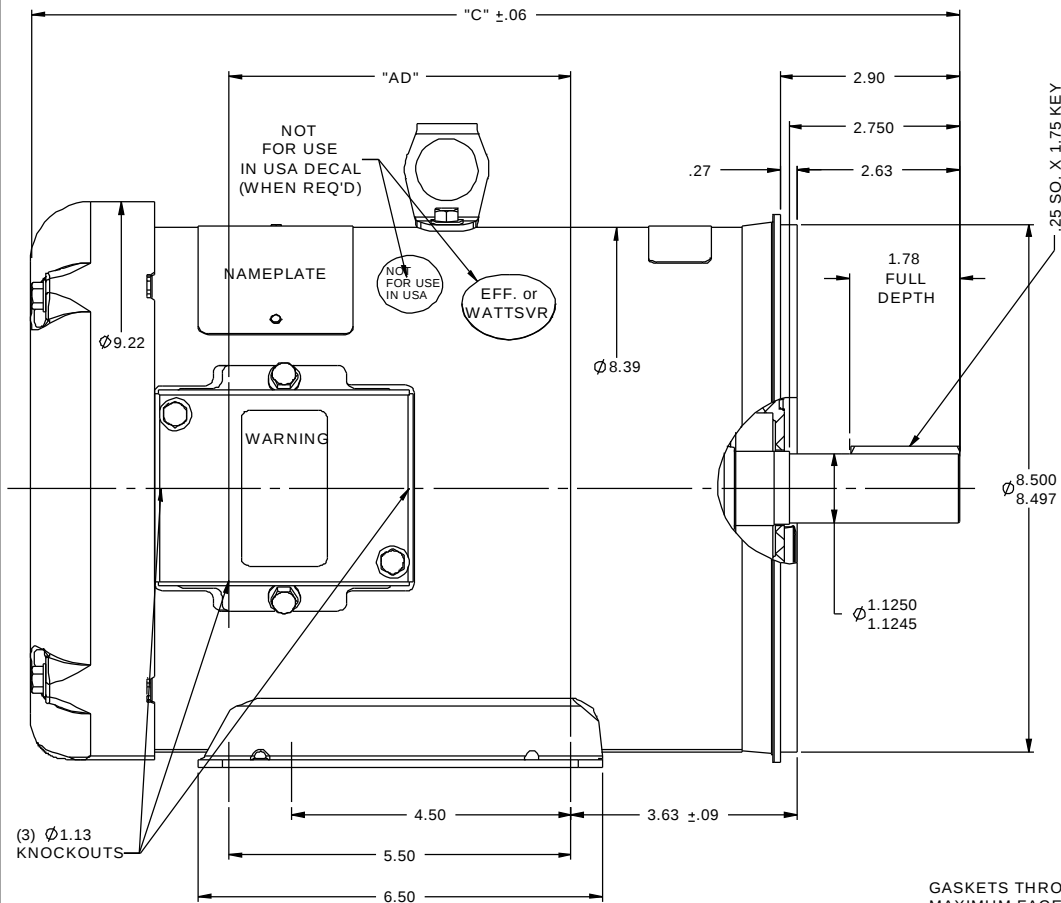
## Nameplate Specifications

|                        |            |                            |                             |
|------------------------|------------|----------------------------|-----------------------------|
| Output HP              | 1.50 Hp    | Output KW                  | 1.1 kW                      |
| Frequency              | 60 Hz      | Voltage                    | 230/460 V                   |
| Current                | 5.2/2.6 A  | Speed                      | 1175 rpm                    |
| Service Factor         | 1.15       | Phase                      | 3                           |
| Efficiency             | 87.5 %     | Power Factor               | 62                          |
| Duty                   | Continuous | Insulation Class           | F                           |
| Design Code            | B          | KVA Code                   | K                           |
| Frame                  | 182TC      | Enclosure                  | Totally Enclosed Fan Cooled |
| Thermal Protection     | No         | Ambient Temperature        | 40 °C                       |
| Drive End Bearing Size | 6206       | Opp Drive End Bearing Size | 6205                        |
| UL                     | Recognized | CSA                        | Y                           |
| CE                     | Y          | IP Code                    | 43                          |
| Number of Speeds       | 1          |                            |                             |

## Technical Specifications

|                       |                             |                       |                 |
|-----------------------|-----------------------------|-----------------------|-----------------|
| Electrical Type       | Squirrel Cage Induction Run | Starting Method       | Across The Line |
| Poles                 | 6                           | Rotation              | Reversible      |
| Resistance Main       | 0 Ohms                      | Mounting              | Rigid Base      |
| Motor Orientation     | Horizontal                  | Drive End Bearing     | Ball            |
| Opp Drive End Bearing | Ball                        | Frame Material        | Rolled Steel    |
| Shaft Type            | T                           | Overall Length        | 14.47 in        |
| Frame Length          | 9.00 in                     | Shaft Diameter        | 1.125 in        |
| Shaft Extension       | 2.75 in                     | Assembly/Box Mounting | F1 Only         |
| Outline Drawing       | 035453-900                  | Connection Drawing    | 005010.01       |

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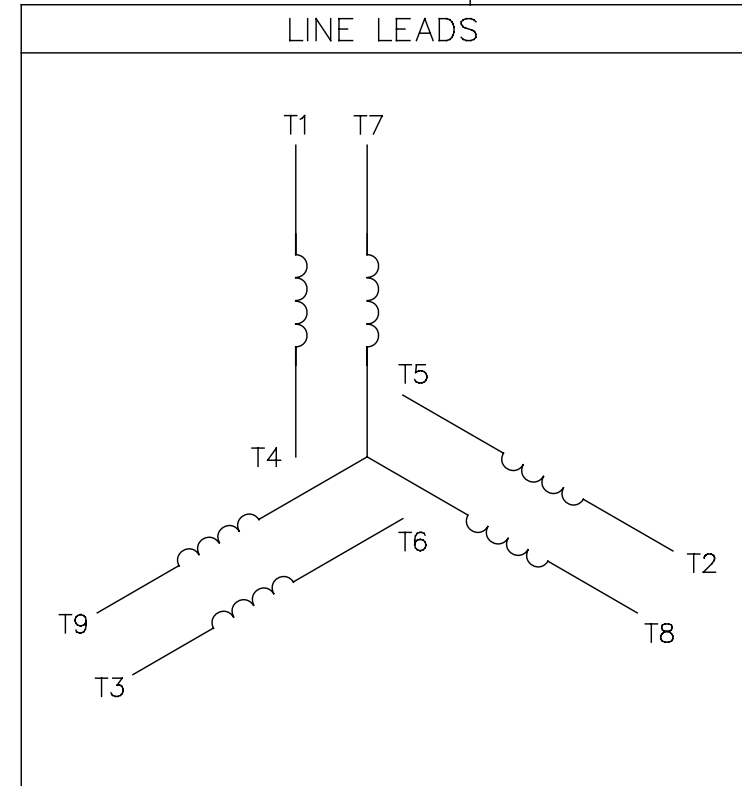
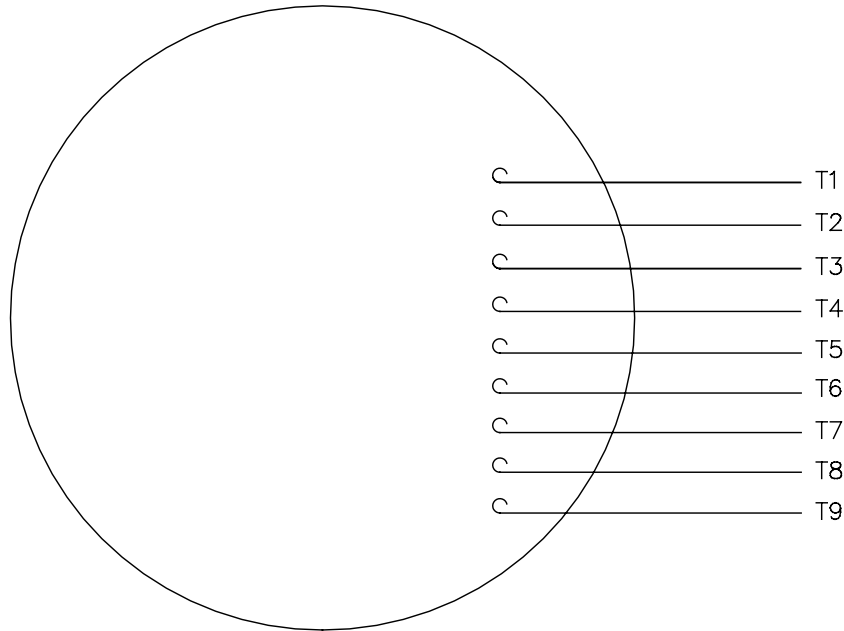
GASKETS THROUGHOUT  
MAXIMUM FACE RUNOUT TO BE .004 T.I.R.  
MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.  
PERMISSIBLE SHAFT RUNOUT TO BE .002 T.I.R.

| DASH NO. | "C"   | "AD" |
|----------|-------|------|
| 850      | 13.97 | 4.50 |
| 900      | 14.47 | 5.00 |
| 950      | 14.97 | 5.50 |
| 1000     | 15.47 | 6.00 |
| 1050     | 15.97 | 6.50 |
| 1100     | 16.47 | 7.00 |
| 1150     | 16.97 | 7.50 |

|                        |                                 |  |  |                |                   |                             |        |   |                                                                                       |                          |            |       |             |
|------------------------|---------------------------------|--|--|----------------|-------------------|-----------------------------|--------|---|---------------------------------------------------------------------------------------|--------------------------|------------|-------|-------------|
|                        |                                 |  |  |                |                   | TOLERANCES UNLESS SPECIFIED |        |   |  | REGAL-BELOIT CORPORATION |            | DRAWN | RDW 1/21/03 |
|                        |                                 |  |  |                |                   | DEC                         | INCHES |   |                                                                                       | CHK                      |            |       |             |
|                        |                                 |  |  |                |                   | X                           | ±.1    |   | TITLE OUTLINE - 180TC FRAME<br>TEFC - RIGID "C"                                       | APPR                     | SW 1/21/03 |       |             |
|                        |                                 |  |  |                |                   | XX                          | ±.03   |   |                                                                                       | SCALE                    | 1:2        |       |             |
| 1                      | ADDED DECAL NOT FOR USE IN USA  |  |  | GR 06/04/12    | JD                | XXX                         | ±.005  |   |                                                                                       | REF                      | 035346     |       |             |
| -                      | UPDATED & REDRAWN IN SOLIDWORKS |  |  | LST 12/17/2009 | XX                | XXXX                        | ±.0005 |   |                                                                                       | MAT'L                    |            |       |             |
| NO                     | REVISION                        |  |  | BY & DATE      | CHK               | ANG                         | ±1/2"  |   | FINISH                                                                                |                          |            | PAGE  | OF          |
| THIRD ANGLE PROJECTION |                                 |  |  |                | RFP               |                             | PREV   |   |                                                                                       | SIZE                     | DRAWING NO | REV   |             |
|                        |                                 |  |  |                | NETWORK FILE NAME |                             |        | B |                                                                                       |                          | 035453     | 1     |             |

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 | DRAWING NO.           |  | REV. |
|                                                                                                                                                                                                                                        |                       |              |     | DIST BRF-NLV                   |        |                                                                                                                         |  | A    | 005010-01             |  | A    |



1051 CHEYENNE AVE.  
GRAFTON, WI 53024  
PH. 262-277-8810

DATA VOLTS: 460

### CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.01

CAT #: 132435.00

OUTLINE: 035453-900

WINDING: T8636

FR 3

### TYPICAL MOTOR PERFORMANCE DATA

| HP  | KW  | SYNC RPM | FL RPM | FRAME | ENCLOSURE | TYPE | KVA CODE | DESIGN |
|-----|-----|----------|--------|-------|-----------|------|----------|--------|
| 1.5 | 1.1 | 1200     | 1175   | 182TC | TEFC      | TFW  | K        | B      |

| PH | HZ | VOLTS   | AMPS    | START TYPE      | DUTY | INSL | S.F. | AMB | ELEV. |
|----|----|---------|---------|-----------------|------|------|------|-----|-------|
| 3  | 60 | 230/460 | 5.2/2.6 | ACROSS THE LINE | CONT | F    | 1.15 | 40  | 3300  |

| F.L. EFF | 87.5 | 3/4 LD EFF | 86.0 | 1/2 LD EFF | 83.0 | GTD EFF |  | ELECT. TYPE     |  |
|----------|------|------------|------|------------|------|---------|--|-----------------|--|
| F.L. PF  | 62.0 | 3/4 LD PF  | 55.0 | 1/2 LD PF  | 43.0 | 85.5    |  | SQ CAGE IND RUN |  |

| F.L. TORQUE | LR AMPS @ 460 V | L.R. TORQUE     | B.D. TORQUE     | F.L. RISE (° C) |
|-------------|-----------------|-----------------|-----------------|-----------------|
| 6.7 LB-FT   | 15.2            | 11.0 LB-FT 164% | 22.5 LB-FT 336% | 35              |

| PRESSURE @ 3 | SOUND | POWER | ROTOR WK²   | MAX. LOAD WK² | SAFE STALL TIME | STARTS/HOUR | MOTOR WGT |
|--------------|-------|-------|-------------|---------------|-----------------|-------------|-----------|
| 0 dBA        | 9 dBA |       | 0.56 LB-FT² | 0 LB-FT²      | 10 SEC.         | 0           | 0 LB.     |

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

| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | MOTOR ORIENTATION | SEVERE DUTY | HAZARDOUS LOCATION | DRIP COVER | SCREENS | PAINT     |
|-----------------|------------------|------------|-------------------|-------------|--------------------|------------|---------|-----------|
| C-FACE          | STANDARD         | RIGID      | HORIZONTAL        | NO          | NONE               | NO         | NONE    | WATTSaver |

| BEARINGS  | GREASE     | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT MATERIAL    | FRAME MATERIAL |
|-----------|------------|------------|------------|-------------|-------------------|----------------|
| DE ODE    |            |            |            |             |                   |                |
| BALL BALL |            |            |            |             |                   |                |
| 6206 6205 | POLYREX EM | T          | NONE       | NONE        | AISI 1045 (C-240) | 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 |
|--------------|--------------|--------------|--------------|--------------|--------------------|-------|
| 0            | 0            | 0            | 0            | 0            | 0.080              | ODE   |

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

|                       |               |      |
|-----------------------|---------------|------|
| DATE: 9/11/2018       | BRAKE: NONE   |      |
|                       | NONE          | NONE |
|                       | FT-LB: NA     |      |
|                       | VOLTAGE: NONE | HZ:  |
| UL: Y-(LEESON UL REC) |               |      |

## Data Sheet

Date: 9/11/2018

132435.00



Data @ 460 V

## Motor Load Data

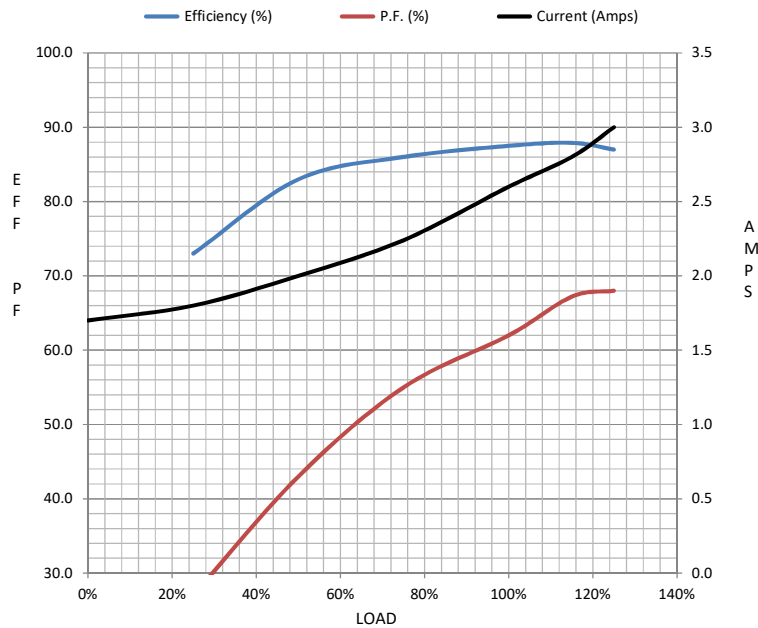
| Load           | 0%   | 25%  | 50%  | 75%  | 100% | 115%  | 125% | LR   |  |
|----------------|------|------|------|------|------|-------|------|------|--|
| Current (Amps) | 1.70 | 1.80 | 2.00 | 2.24 | 2.60 | 2.80  | 3.0  | 15.2 |  |
| Torque (ft-lb) | 0.00 | 1.65 | 3.3  | 5.0  | 6.7  | 7.8   | 8.5  | 11.0 |  |
| RPM            | 1200 | 1195 | 1190 | 1185 | 1175 | 1,175 | 1170 | 0    |  |
| Efficiency (%) |      | 73.0 | 83.0 | 86.0 | 87.5 | 87.9  | 87.0 |      |  |
| P.F. (%)       | 8.0  | 27.0 | 43.0 | 55.0 | 62.0 | 67.2  | 68.0 | 38.0 |  |

## Motor Speed Data

|                | LR   | Pull-Up | BD   | Rated | Idle |
|----------------|------|---------|------|-------|------|
| Speed (RPM)    | 0    | 600     | 1043 | 1175  | 1200 |
| Current (Amps) | 15.2 | 14.9    | 7.4  | 2.60  | 1.70 |
| Torque (ft-lb) | 11.0 | 10.8    | 22.5 | 6.7   | 0.00 |

## Information Block

|                            |            |        |        |        |
|----------------------------|------------|--------|--------|--------|
| HP                         | 1.5        |        |        |        |
| Sync. RPM                  | 1200       |        |        |        |
| Frame                      | 180        |        |        |        |
| Enclosure                  | TEFC       |        |        |        |
| Construction               | TFW        |        |        |        |
| Voltage                    | 230/460    | V      |        |        |
| Frequency                  | 60         | Hz     |        |        |
| Design                     | B          |        |        |        |
| LR Code letter             | K          |        |        |        |
| Service Factor             | 1.15       |        |        |        |
| Temp Rise @ FL             | 35         | ° C    |        |        |
| Duty                       | CONT       |        |        |        |
| Ambient                    | 40         | ° C    |        |        |
| Elevation                  | 1,000      | feet   |        |        |
| Rotor/Shaft wk²            | 0.56       | Lb-Ft² |        |        |
| Ref Wdg                    | T8636 FR   |        |        |        |
| Sound Pressure @ 1M        | 0          | dBA    |        |        |
| VFD Rating                 | NONE       |        |        |        |
| Outline Dwg                | 035453-900 |        |        |        |
| Conn. Diag                 | 005010.01  |        |        |        |
| 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

