

PRODUCT INFORMATION PACKET

Model No: 365TSTFS6001

Catalog No: E227

75 HP General Purpose Motor, 3 phase, 3600 RPM, 230/460 V, 365TS Frame, TEFC
General Purpose Motors



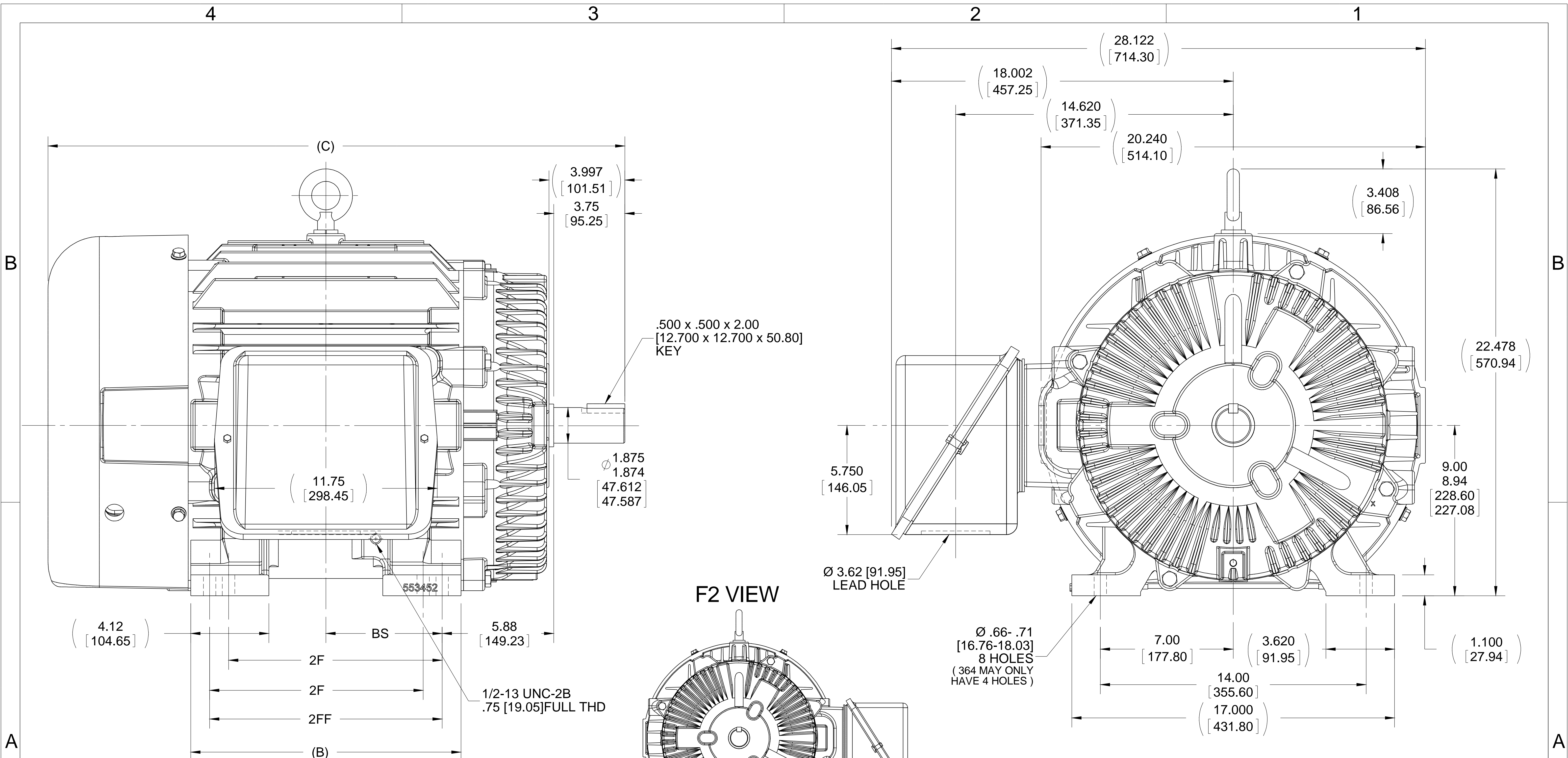
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Nameplate Specifications

| | | | |
|------------------------|---------------------|----------------------------|------------------------------------|
| Output HP | 75 Hp | Output KW | 56.0 kW |
| Frequency | 60 Hz | Voltage | 230/460 V |
| Current | 168.0/84.0 A | Speed | 3555 rpm |
| Service Factor | 1.15 | Phase | 3 |
| Efficiency | 94.5 % | Power Factor | 88.5 |
| Duty | Continuous | Insulation Class | F |
| Design Code | B | KVA Code | G |
| Frame | 365TS | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No | Ambient Temperature | 40 °C |
| Drive End Bearing Size | 6312 | Opp Drive End Bearing Size | 6312 |
| 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 | 2 | Rotation | Reversible |
| Resistance Main | .07 Ohms | Mounting | Rigid Base |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Cast Iron |
| Shaft Type | TS | Overall Length | 30.38 in |
| Frame Length | 14.50 in | Shaft Diameter | 1.875 in |
| Shaft Extension | 3.99 in | Assembly/Box Mounting | F1/F2 Capable |
| Connection Drawing | A-EE7308K | Outline Drawing | B-SS504620-1450 |



- NOTES:**
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
 3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.
 4. DIMENSION IN [] DESIGNATE MILLIMETERS.

| DASH | FRAME | B | C | 2F | 2FF | BS |
|------|-----------|-------------------|-------------------|-------------------|-------------------|------------------|
| 1350 | 364TS | 13.25 [336.55] | 29.38 [746.25] | 11.25 [285.75] | --- | 5.62 [142.75] |
| 1450 | 364/365TS | 14.25 [361.95] | 30.38 [771.65] | 11.25 [285.75] | 12.25 [311.15] | 6.12 [155.45] |

DRAWING REVISION C
 ECO ECO-0074104
 ECO DESCRIPTION
 UPDATED TO CURRENT STANDARDS
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TOLERANCES UNLESS OTHERWISE SPECIFIED:
 DEC. ±0.1 [±2.5] ANGLE ±0.5°
 .X ±0.1 [±2.5]
 .XX ±0.01 [±0.25]
 .XXX ±0.005 [±0.127]
 .XXXX ±0.0005 [±0.0127]
 REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45°
 CORNER FILLETS: R.02 [0.51]
 MACHINED SURFACES: 125 INCH 3.2 mm
 mm SHOWN IN [BRACKETS]

DRAWN BY TLB
 DATE 04-29-1988
 APPROVED BY ML
 DATE 04-29-1988
 REFERENCE
 THIRD ANGLE PROJECTION

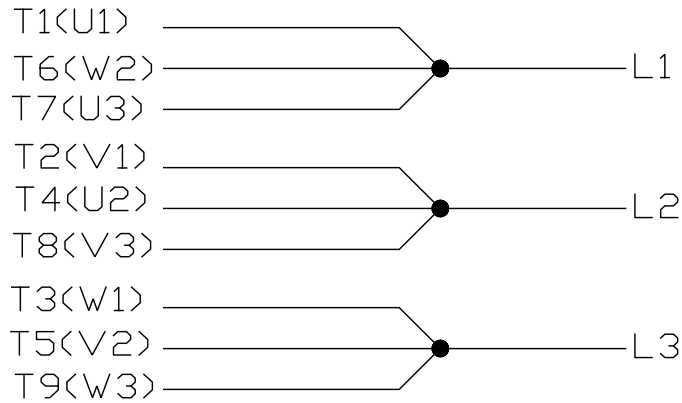
REGAL™ Regal Beloit America, Inc.

DESCRIPTION
OUTLINE
 360TS FR.- TEFC- (STD.)

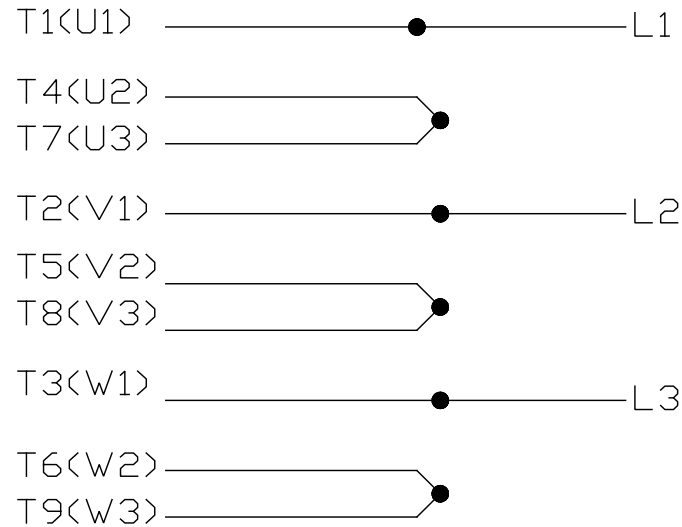
MATERIAL PROCESS/FINISH

SIZE B DRAWING NUMBER **SS504620** SHEET 1 OF 1


LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

| | | | TOLERANCES UNLESS SPECIFIED | |  REGAL - BELOIT CORPORATION | DRAWN PGK 06-04-1997 | | | | | |
|--|--|----------------|-----------------------------|-------|--|----------------------|---------------------------------|--------------------|---------------------|---------|--------|
| NO. | REVISION | BY & DATE | CHK | ANG | | ± | INCHES | SCALE | PREV | | |
| E | CORRECTED IEC MARKINGS ECD-0111208 | WGJ 01-23-2017 | EMH | DEC. | | | | CHK ML 06-05-1997 | | | |
| D | RE-DRAWN WITH REGAL LOGO ECD-0110493 | WGJ 09-30-2016 | EMH | .X | ±.1 | | | APPD GK 06-15-1997 | | | |
| 8 | ADDED IEC DESIGNATIONS MU95020 | TJW 4/30/2010 | MJS | .XX | ±.02 | | TITLE CONNECTION DIAGRAM | | | | |
| 7 | REVISED HIGH VOLTAGE L2 WAS L3 CN52600-354 | MRB 09-21-1998 | | .XXX | ±.005 | | TITLE DELTA CON. - 3Ø - 9 LEADS | REF | | | |
| 6 | REDRAWN ON CADD | PGK 06-05-1997 | | .XXXX | ±.0005 | | MAT'L. | FMF | | | |
| | | | | | ±7'30" | | FINISH | | | | |
| 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 EE7308K | | SIZE A | DRAWING NO. EE7308K | PAGE OF | REV. E |
| | | | | | DIST | | | | | | |

CERTIFICATION DATA SHEET

Model#: 365TSTFS6001 DU WINDING#: T365262 NONE 1
 CONN. DIAGRAM: A-EE7308K ASSEMBLY: F1/F2 CAPABLE
 OUTLINE: B-SS504620-1450

TYPICAL MOTOR PERFORMANCE DATA

| HP | KW | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN | | | | | |
|------------------------|----|--------------------|----------|--------------------|------------|---------------|--------|-----------------|-----------|--------------|--|-------------------|
| 75 | 56 | 3600 | 3555 | 365TS | TEFC | G | B | | | | | |
| PH | Hz | VOLTS | FL AMPS | START TYPE | DUTY | INSL | S.F | AMB°C | ELEVATION | | | |
| 3 | 60 | 230/460 | 168/84 | ACROSS THE LINE | CONTINUOUS | F1 | 1.15 | 40 | 3300 | | | |
| FULL LOAD EFF: 94.5 | | 3/4 LOAD EFF: 94.5 | | 1/2 LOAD EFF: 94.5 | | GTD. EFF | | ELEC. TYPE | | NO LOAD AMPS | | |
| FULL LOAD PF: 88.5 | | 3/4 LOAD PF: 86.5 | | 1/2 LOAD PF: 81 | | 94.1 | | SQ CAGE IND RUN | | 45 / 22.5 | | |
| F.L. TORQUE | | LOCKED ROTOR AMPS | | L.R. TORQUE | | B.D. TORQUE | | F.L. RISE°C | | | | |
| 111 LB-FT | | 1084 / 542 | | 180 LB-FT 162 | | 320 LB-FT 288 | | 80 | | | | |
| SOUND PRESSURE @ 3 FT. | | SOUND POWER | | ROTOR WK^2 | | MAX. WK^2 | | SAFE STALL TIME | | STARTS /HOUR | | APPROX. MOTOR WGT |
| 75 dBA | | 85 dBA | | 8.2 LB-FT^2 | | 50 LB-FT^2 | | 15 SEC. | | 2 | | 925 LBS. |

***** SUPPLEMENTAL INFORMATION *****

| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | ORIENTATION | SEVERE DUTY | HAZARDOUS LOCATION | DRIP COVER | SCREENS | PAIN |
|-----------------|------------------|------------|-------------|-------------|--------------------|------------|---------|---------------|
| STANDARD | STANDARD | RIGID | 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 | TS | NONE | NONE | 1045 HOT ROLLED (C-204) | CAST IRON |
| 6312 | 6312 | | | | | | |

| 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

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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 |
| - FT-LB NONE V NONE Hz |

DATE: 06/22/2017 12:15:52 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 19-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



365TSTFS6001

Submittal

Data @ 460 V

Motor Load Data

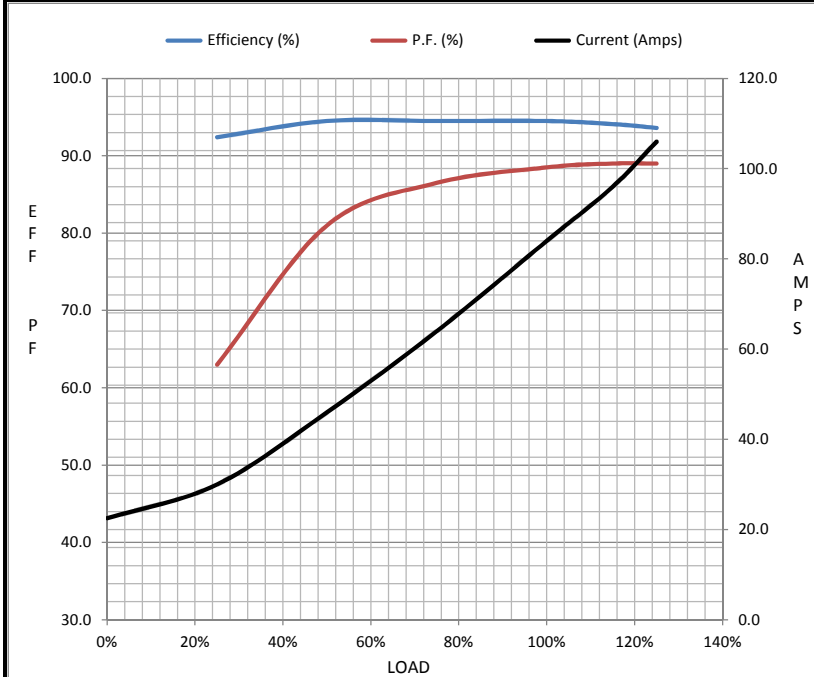
| Load | 0% | 25% | 50% | 75% | 100% | 115% | 125% | LR |
|----------------|------|------|------|------|------|-------|------|------|
| Current (Amps) | 22.5 | 30.0 | 46.0 | 64.0 | 84.0 | 96.0 | 106 | 542 |
| Torque (ft-lb) | 0.00 | 27.5 | 55.0 | 83.0 | 111 | 128 | 140 | 180 |
| RPM | 3600 | 3590 | 3580 | 3565 | 3555 | 3,545 | 3540 | 0 |
| Efficiency (%) | | 92.4 | 94.5 | 94.5 | 94.5 | 94.1 | 93.6 | |
| P.F. (%) | 6.0 | 63.0 | 81.0 | 86.5 | 88.5 | 89.0 | 89.0 | 31.5 |

Motor Speed Data

| | LR | Pull-Up | BD | Rated | Idle |
|----------------|-----|---------|------|-------|------|
| Speed (RPM) | 0 | 1800 | 3350 | 3555 | 3600 |
| Current (Amps) | 542 | 488 | 335 | 84.0 | 22.5 |
| Torque (ft-lb) | 180 | 162 | 320 | 111 | 0.00 |

Information Block

| | | | | |
|-----------------------------|------------------------|--------|--------|---------|
| HP | 75.0 | | | |
| Sync. RPM | 3600 | | | |
| Frame | 365 | | | |
| Enclosure | TEFC | | | |
| Construction | TFS | | | |
| Voltage | 230/460 V | | | |
| Frequency | 60 Hz | | | |
| Design | A | | | |
| LR Code letter | G | | | |
| Service Factor | 1.15 | | | |
| Temp Rise @ FL | 80 ° C | | | |
| Duty | CONT | | | |
| Ambient | 40 ° C | | | |
| Elevation | 1,000 feet | | | |
| Rotor/Shaft wk ² | 8.2 Lb-Ft ² | | | |
| Ref Wdg | T365262 NONE | | | |
| Sound Pressure @ 1M | 75 dBA | | | |
| VFD Rating | NONE | | | |
| Outline Dwg | B-SS504620-1450 | | | |
| Conn. Diag | A-EE7308K | | | |
| Additional Specifications: | | | | |
| 0 | | | | |
| 365THFS8036 | | | | |
| EQUIV CKT (OHMS / PHASE) | | | | |
| R1 | R2 | X1 | X2 | Xm |
| 0.0550 | 0.0410 | 0.3190 | 0.2800 | 11.3780 |



Speed - Torque Curve

