

# PRODUCT INFORMATION PACKET



Model No: 199034.00

Catalog No: 199034.00

Obsolete Replaced by B199034.00..60HP..1800RPM.364T.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID...  
...GENERAL PURPOSE.....



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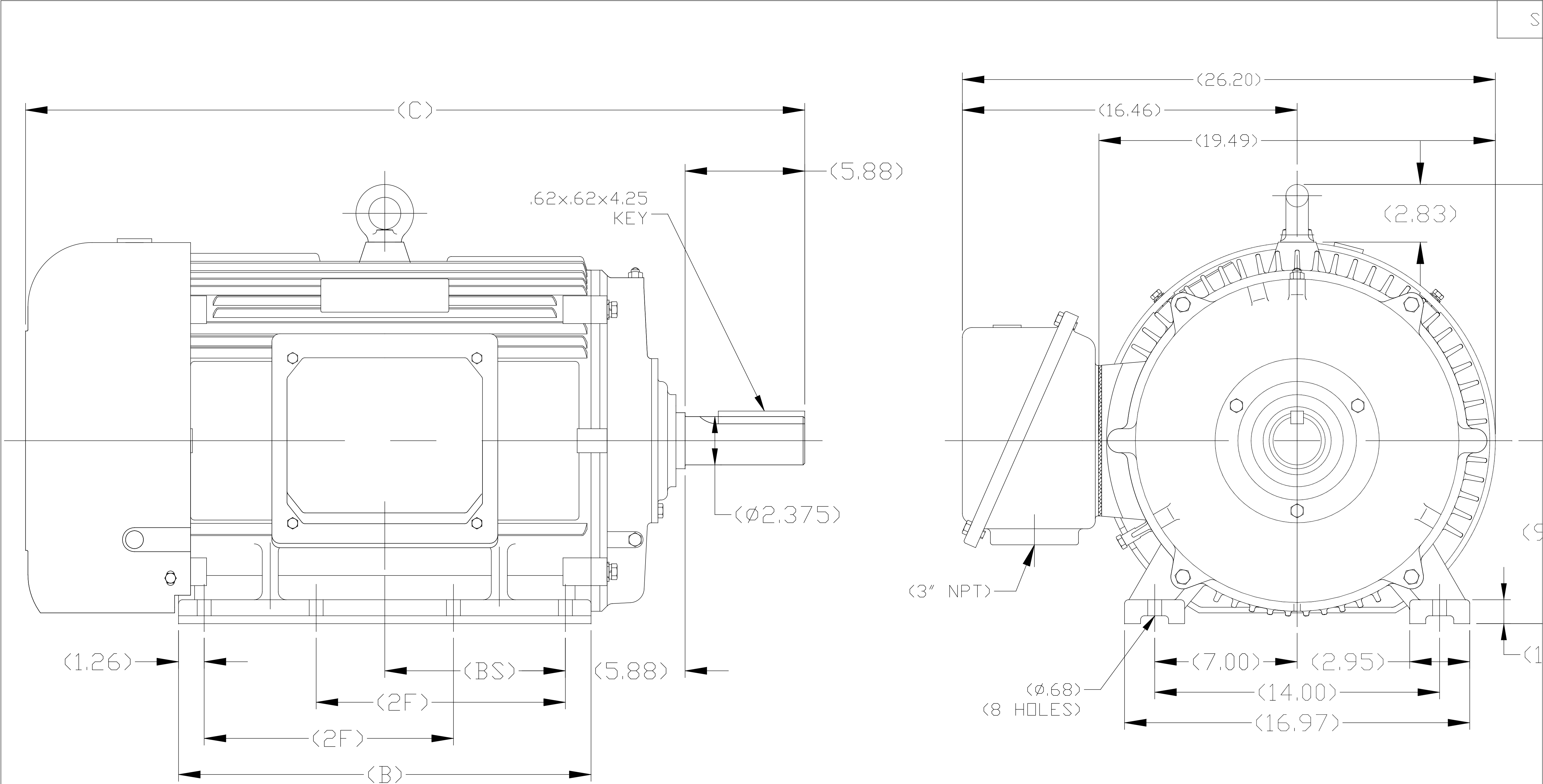
### Nameplate Specifications

|                        |                     |                            |                             |
|------------------------|---------------------|----------------------------|-----------------------------|
| Phase                  | 3                   | Output HP                  | 60 & 50 Hp                  |
| Output KW              | 45.0 & 37.0 kW      | Voltage                    | 230/460 & 190/380 V         |
| Speed                  | 1780 & 1485 rpm     | Service Factor             | 1.15 & 1.15                 |
| Frame                  | 364T                | Enclosure                  | Totally Enclosed Fan Cooled |
| Thermal Protection     | No Protection       | Efficiency                 | 95 & 95 %                   |
| Ambient Temperature    | 40 °C               | Frequency                  | 60 & 50 Hz                  |
| Current                | 138/69 & 139/69.5 A | Power Factor               | 85.5                        |
| Duty                   | Continuous          | Insulation Class           | F                           |
| Design Code            | B                   | KVA Code                   | F                           |
| Drive End Bearing Size | 6314                | Opp Drive End Bearing Size | 6313                        |
| UL                     | Recognized          | CSA                        | Y                           |
| CE                     | N                   | IP Code                    | 43                          |
| Number of Speeds       | 1                   |                            |                             |

### Technical Specifications

|                       |                              |                       |                  |
|-----------------------|------------------------------|-----------------------|------------------|
| Electrical Type       | Squirrel Cage Inverter Rated | Starting Method       | Line Or Inverter |
| Poles                 | 4                            | Rotation              | Reversible       |
| Resistance Main       | .0525 Ohms                   | Mounting              | Rigid Base       |
| Motor Orientation     | Horizontal                   | Drive End Bearing     | Ball             |
| Opp Drive End Bearing | Ball                         | Frame Material        | Cast Iron        |
| Shaft Type            | T                            | Assembly/Box Mounting | F1/F2 CAPABLE    |
| Inverter Load         | CONSTANT 20:1                |                       |                  |
| Outline Drawing       | B-SS620115                   | Connection Drawing    | A-EE7308AA-LE    |

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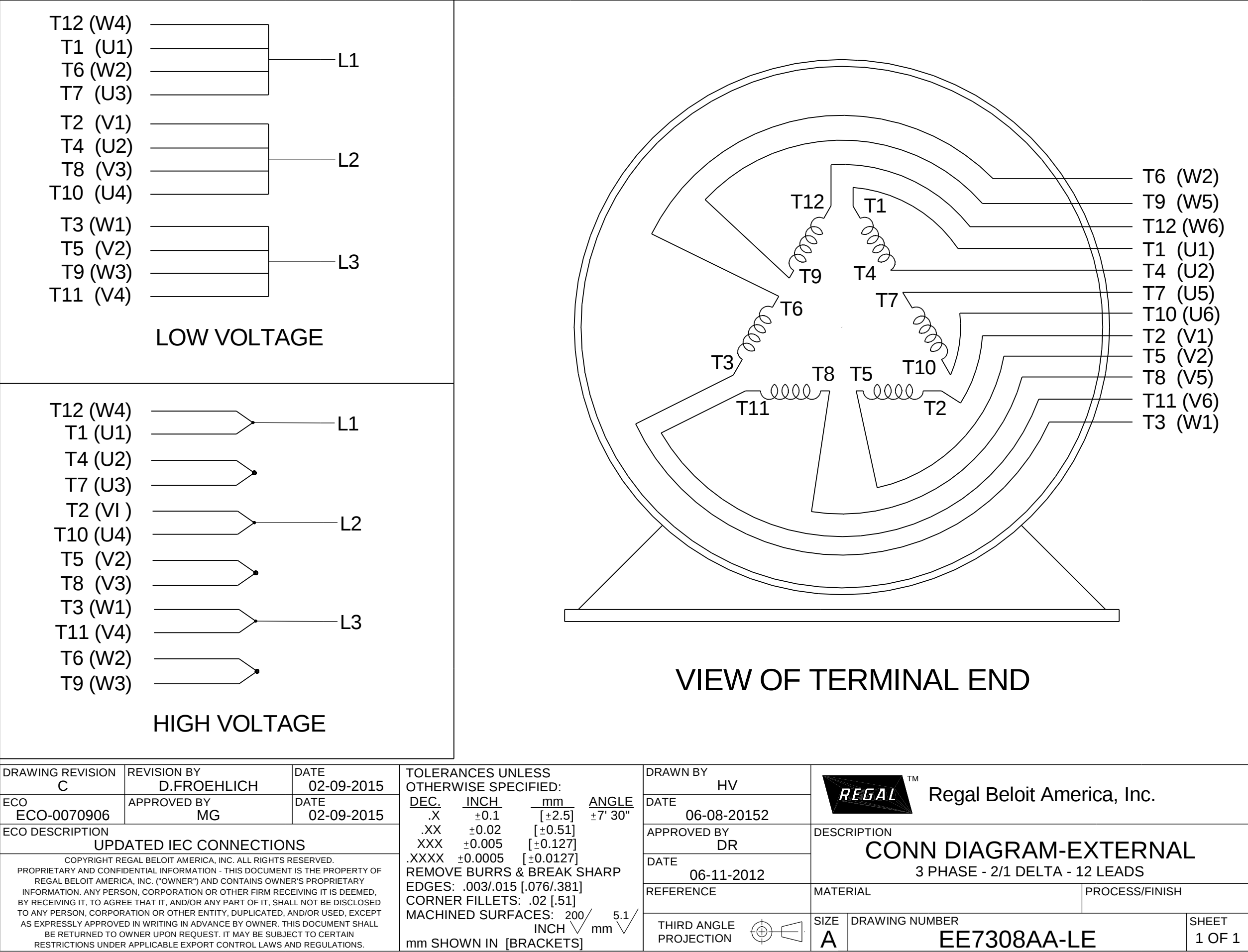


<DIMENSIONS IN TABLE ARE CONSIDERED REFFERENCE>

|       |       |       |       |      |
|-------|-------|-------|-------|------|
| 364T  | 36.61 | 18.50 | 11.25 | 7.99 |
| 365T  | 38.39 | 20.28 | 12.25 | 8.88 |
| FRAME | C     | B     | 2F    | BS   |

<MAY NOT BE DRAWN TO SCALE>

|                                                                                                                                                                                                                                        |                                   |               |     |                                |        |                                                                                                                  |  |          |      |             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------|-----|--------------------------------|--------|------------------------------------------------------------------------------------------------------------------|--|----------|------|-------------|
|                                                                                                                                                                                                                                        |                                   |               |     | TOLERANCES<br>UNLESS SPECIFIED |        |  REGAL - BELOIT CORPORATION |  |          | DR   |             |
|                                                                                                                                                                                                                                        |                                   |               |     | DEC.                           | INCHES |                                                                                                                  |  |          | CHK  |             |
|                                                                                                                                                                                                                                        |                                   |               |     | .X                             | ±.1    |                                                                                                                  |  |          | APP  |             |
|                                                                                                                                                                                                                                        |                                   |               |     | .XX                            | ±.03   | TITLE<br>OUTLINE<br>364/365T FR. - TEFC - CAST IRON                                                              |  |          | SCA  |             |
| K                                                                                                                                                                                                                                      | CORRECTED DESCRIPTION ECD-0112150 | WGJ 10/31/16  | EH  | .XXX                           | ±.005  |                                                                                                                  |  |          | REF  |             |
| 1                                                                                                                                                                                                                                      | ADDED 'BS' DIM. PER. ECD-0048910  | RFH04/07/2014 | EH  | .XXXX                          | ±.0005 | MAT'L.                                                                                                           |  |          | FMF  |             |
| NO.                                                                                                                                                                                                                                    | REVISION                          | BY & DATE     | CHK | ANG                            | ±1/2   | FINISH                                                                                                           |  |          | PRE  |             |
| 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                            |        | CAD FILE                                                                                                         |  | SS620115 | SIZE | DRAWING NO. |
|                                                                                                                                                                                                                                        |                                   |               |     | DIST                           |        |                                                                                                                  |  | B        | SS62 |             |





## CERTIFICATION DATA SHEET

1051 CHEYENNE AVE.  
GRAFTON, WI 53024  
PH. 262-377-8810

CONN. DIAGRAM: A-EE7308AA-LE

CATALOG #: 199034.00

OUTLINE: B-SS620115

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT36440001 1

## TYPICAL MOTOR PERFORMANCE DATA

| HP    | kW        | SYNC. RPM | F.L. RPM  | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|-------|-----------|-----------|-----------|-------|-----------|----------|--------|
| 60&50 | 45.0&37.0 | 1800      | 1780&1485 | 364T  | TEFC      | F        | B      |

| PH | Hz    | VOLTS           | AMPS            | START TYPE       | DUTY       | INSL | S.F.      | AMB°C |
|----|-------|-----------------|-----------------|------------------|------------|------|-----------|-------|
| 3  | 60/50 | 230/460&190/380 | 138/69&139/69.5 | LINE OR INVERTER | CONTINUOUS | F1   | 1.15/1.15 | 40    |

|                |           |               |      |               |    |          |                   |
|----------------|-----------|---------------|------|---------------|----|----------|-------------------|
| FULL LOAD EFF: | 95&95     | 3/4 LOAD EFF: | 95.4 | 1/2 LOAD EFF: | 95 | GTD. EFF | ELEC. TYPE        |
| FULL LOAD PF:  | 85.5&85.5 | 3/4 LOAD PF:  | 83.5 | 1/2 LOAD PF:  | 78 | 94.5     | SQ CAGE INV RATED |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE     | B,D. TORQUE     | F.L. RISE°C |
|-------------|-------------------|-----------------|-----------------|-------------|
| 177 LB-FT   | 820 / 410         | 350 LB-FT 196 % | 425 LB-FT 239 % | 55          |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2   | MAX. WK^2 | SAFE STALL TIME | STARTS / HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|--------------|-----------|-----------------|---------------|-------------------|
| 75 dBA                 | 85 dBA      | 17.2 LB-FT^2 | - LB-FT^2 | 25 SEC.         | 2             | 950 LBS.          |

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

| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | ORIENTATION | SEVERE DUTY | HAZARDOUS LOCATION | DRIP COVER | SCREENS | PAINT         |
|-----------------|------------------|------------|-------------|-------------|--------------------|------------|---------|---------------|
| STANDARD        | STANDARD         | RIGID      | HORIZONTAL  | FALSE       | NONE               | FALSE      | NONE    | BLUE (ENAMEL) |

| BEARINGS |      | GREASE     | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT MATERIAL    | FRAME MATERIAL |
|----------|------|------------|------------|------------|-------------|-------------------|----------------|
| DE       | ODE  |            |            |            |             |                   |                |
| BALL     | BALL | POLYREX EM | T          | NONE       | NONE        | AISI 1045 (C-240) | CAST IRON      |
| 6314     | 6313 |            |            |            |             |                   |                |

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

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INVERTER TORQUE: CONSTANT 20:1

INV. HP SPEED RANGE: NONE

ENCODER: NONE

NONE NONE

NONE NONE PPR

BRAKE: NONE NONE

NONE P/N NONE

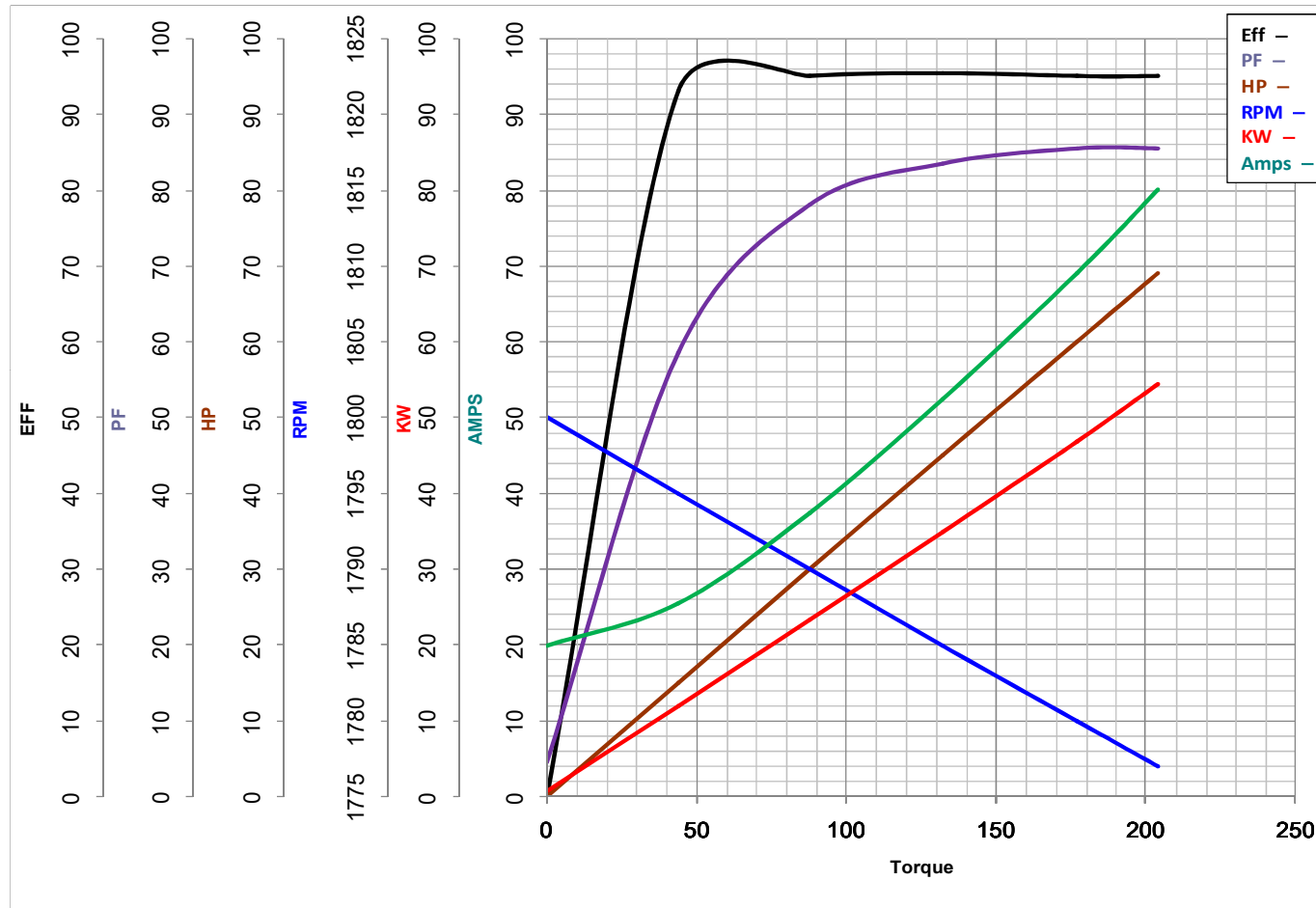
NONE NONE

NONE FT-LB NONE V NONE Hz



# LEESON ELECTRIC CORPORATION

## TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 199034.00Curve at 460  
60  
60  
Volts  
HZ  
HPVolts  
HZ  
HPHP 60&50PHASE 3VOLTS 230/460&190/380Catalog No 199034.00HZ 60&50RPM 1780&1485

Torque in Lb.Ft

FL TORQUE 177 Lb.Ft  
 BD TORQUE 425.0 Lb.Ft  
 LR TORQUE 350 Lb.Ft

FL AMPS 138/69  
 PU TORQUE 270.0 Lb.Ft  
 LR AMPS 410

WINDING CHT36440001-1

Date 11/13/2018