

# PRODUCT INFORMATION PACKET



Model No: 199755.00

Catalog No: 199755.00

Obsolete Replaced by B199755.00..60HP..1800RPM.364TC.ODP.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID C  
FACE.....GEN 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                  | 1785 & 1485 rpm     | Service Factor             | 1.15 & 1.15         |
| Frame                  | 364TC               | Enclosure                  | Drip Proof          |
| Thermal Protection     | No Protection       | Efficiency                 | 95 & 94.5 %         |
| Ambient Temperature    | 40 °C               | Frequency                  | 60 & 50 Hz          |
| Current                | 139/69.5 & 138/69 A | Power Factor               | 85                  |
| Duty                   | Continuous          | Insulation Class           | F                   |
| Design Code            | B                   | KVA Code                   | G                   |
| Drive End Bearing Size | 6314                | Opp Drive End Bearing Size | 6313                |
| UL                     | Recognized          | CSA                        | N                   |
| CE                     | Y                   | IP Code                    | 22                  |
| Number of Speeds       | 1                   |                            |                     |

## Technical Specifications

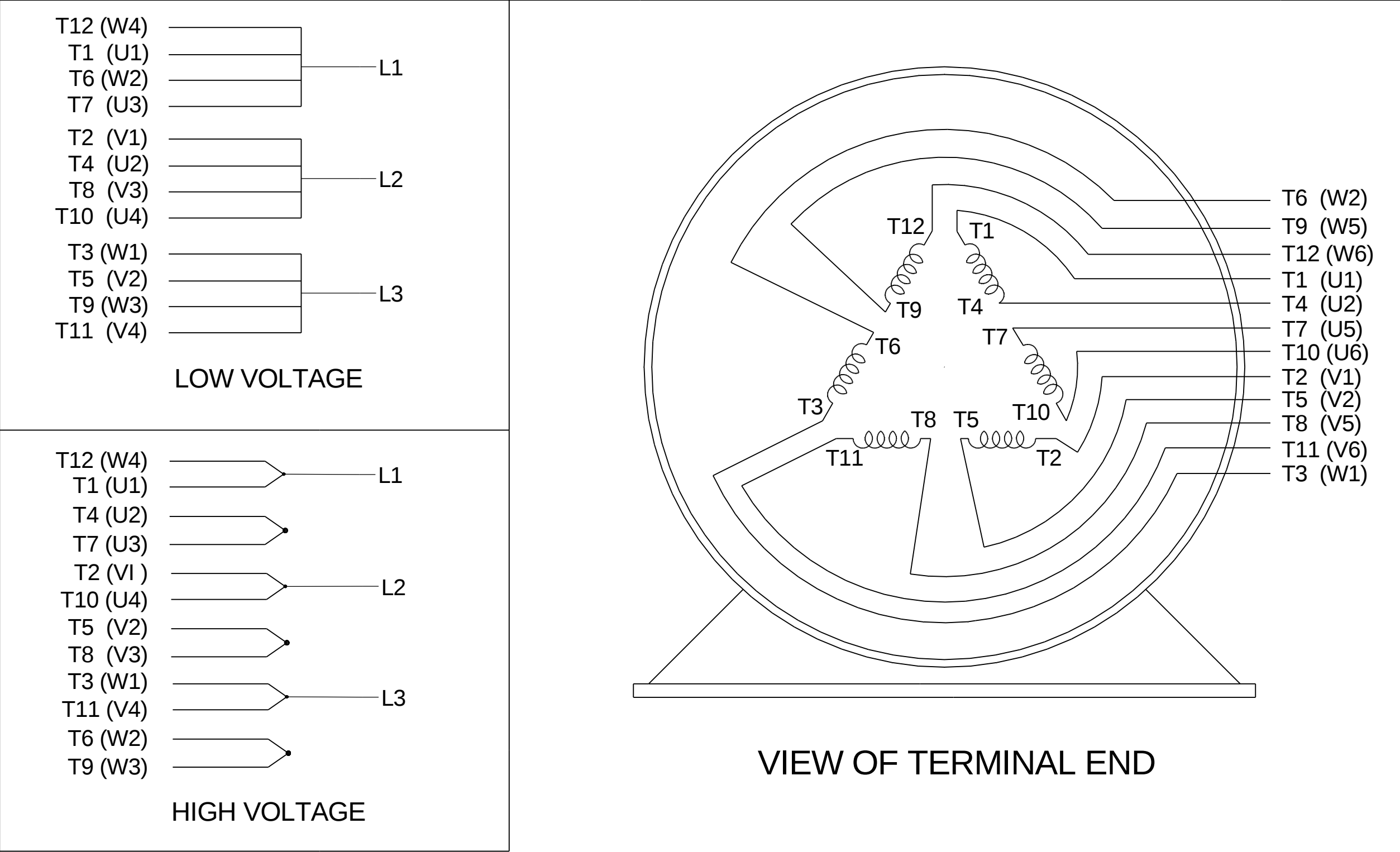
|                       |                              |                       |                                                  |
|-----------------------|------------------------------|-----------------------|--------------------------------------------------|
| Electrical Type       | Squirrel Cage Inverter Rated | Starting Method       | Part Wdg Start & Wye Start Delta Run Or Inverter |
| Poles                 | 4                            | Rotation              | Reversible                                       |
| Resistance Main       | .0905 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         | VARIABLE 10:1                |                       |                                                  |
| Outline Drawing       | SS620662                     | Connection Drawing    | EE7308AA-LE                                      |

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|       |       |       |       |
|-------|-------|-------|-------|
| 364TC | 31.69 | 16.93 | 11.25 |
| 365TC | 33.27 | 18.51 | 12.25 |
| FRAME | C     | B     | 2F    |

|                                                                                                                                                                                                                                        |                                |                |      |                                |        |                                                                                                                |                      |             |             |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------|------|--------------------------------|--------|----------------------------------------------------------------------------------------------------------------|----------------------|-------------|-------------|------|
|                                                                                                                                                                                                                                        |                                |                |      | TOLERANCES<br>UNLESS SPECIFIED |        |  REGAL-BELOIT CORPORATION | DRAWN ZYH 04/16/2013 |             |             |      |
|                                                                                                                                                                                                                                        |                                |                |      | DEC.                           | INCHES |                                                                                                                | CHK                  |             |             |      |
|                                                                                                                                                                                                                                        |                                |                |      | .X                             | ±.1    |                                                                                                                | APPD                 |             |             |      |
|                                                                                                                                                                                                                                        |                                |                |      | .XX                            | ±.03   |                                                                                                                | SCALE N/A            |             |             |      |
|                                                                                                                                                                                                                                        |                                |                |      | .XXX                           | ±.005  |                                                                                                                | REF                  |             |             |      |
| 1                                                                                                                                                                                                                                      | REVISED DIM's PER. ECO-0050387 | RFH 04/28/2014 |      | .XXXX                          | ±.0005 |                                                                                                                | MAT'L.               |             |             |      |
| NO.                                                                                                                                                                                                                                    | REVISION                       | BY & DATE      | CHK  | ANG                            | ±1/5'  | 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  | CAD FILE SS620662.dwg          |        |                                                                                                                | SIZE                 | DRAWING NO. | PAGE 1 OF 1 | REV. |
|                                                                                                                                                                                                                                        |                                |                | DIST |                                |        |                                                                                                                | A                    | SS620662    |             | 1    |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                            |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                           |                                                                             |           |                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------|-----------|-------------------------------|
| DRAWING REVISION<br>C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | REVISION BY<br>D.FROEHLICH | DATE<br>02-09-2015 | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:<br><div><div>DEC.</div><div>INCH</div><div>mm</div><div>ANGLE</div></div> <div><div>.X</div><div>±0.1</div><div>[±2.5]</div><div>±7° 30"</div></div> <div><div>.XX</div><div>±0.02</div><div>[±0.51]</div><div></div></div> <div><div>.XXX</div><div>±0.005</div><div>[±0.127]</div><div></div></div> <div><div>.XXXX</div><div>±0.0005</div><div>[±0.0127]</div><div></div></div> <div>REMOVE BURRS &amp; BREAK SHARP<br/>EDGES: .003/.015 [0.076/.381]<br/>CORNER FILLETS: .02 [0.51]<br/>MACHINED SURFACES: 200<br/>INCH ✓ mm ✓<br/>mm SHOWN IN [BRACKETS]</div> | DRAWN BY<br>HV            | <div><div><div>REGAL</div><div>Regal Beloit America, Inc.</div></div></div> |           |                               |
| ECO<br>ECO-0070906                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | APPROVED BY<br>MG          | DATE<br>02-09-2015 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DATE<br>06-08-20152       |                                                                             |           |                               |
| ECO DESCRIPTION<br>UPDATED IEC CONNECTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                            |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | APPROVED BY<br>DR         | DESCRIPTION<br>CONN DIAGRAM-EXTERNAL<br>3 PHASE - 2/1 DELTA - 12 LEADS      |           |                               |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                            |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | THIRD ANGLE<br>PROJECTION | <div><div><div></div><div></div></div></div>                                | SIZE<br>A | DRAWING NUMBER<br>EE7308AA-LE |



## CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: EE7308AA-LE

CATALOG #: 199755.00

OUTLINE: SS620662

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT36440002 1

## TYPICAL MOTOR PERFORMANCE DATA

| HP    | kW        | SYNC. RPM | F.L. RPM  | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|-------|-----------|-----------|-----------|-------|-----------|----------|--------|
| 60&50 | 45.0&37.0 | 1800      | 1785&1485 | 364TC | DP        | G        | B      |

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

|                |         |               |      |               |      |          |                   |
|----------------|---------|---------------|------|---------------|------|----------|-------------------|
| FULL LOAD EFF: | 95&94.5 | 3/4 LOAD EFF: | 95.4 | 1/2 LOAD EFF: | 95   | GTD. EFF | ELEC. TYPE        |
| FULL LOAD PF:  | 85&84   | 3/4 LOAD PF:  | 82   | 1/2 LOAD PF:  | 73.5 | 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   | 794 / 397         | 309 LB-FT 175 % | 487 LB-FT 275 % | 35          |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2   | MAX. WK^2 | SAFE STALL TIME | STARTS / HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|--------------|-----------|-----------------|---------------|-------------------|
| 79 dBA                 | 89 dBA      | 15.2 LB-FT^2 | - LB-FT^2 | 20 SEC.         | 2             | 875 LBS.          |

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

| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | ORIENTATION | SEVERE DUTY | HAZARDOUS LOCATION | DRIP COVER | SCREENS | PAINT         |
|-----------------|------------------|------------|-------------|-------------|--------------------|------------|---------|---------------|
| C-FACE          | STANDARD         | RIGID      | HORIZONTAL  | FALSE       | NONE               | FALSE      | RODENT  | 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: VARIABLE 10:1

INV. HP SPEED RANGE: NONE

ENCODER: NONE

NONE NONE

NONE NONE PPR

BRAKE: NONE NONE

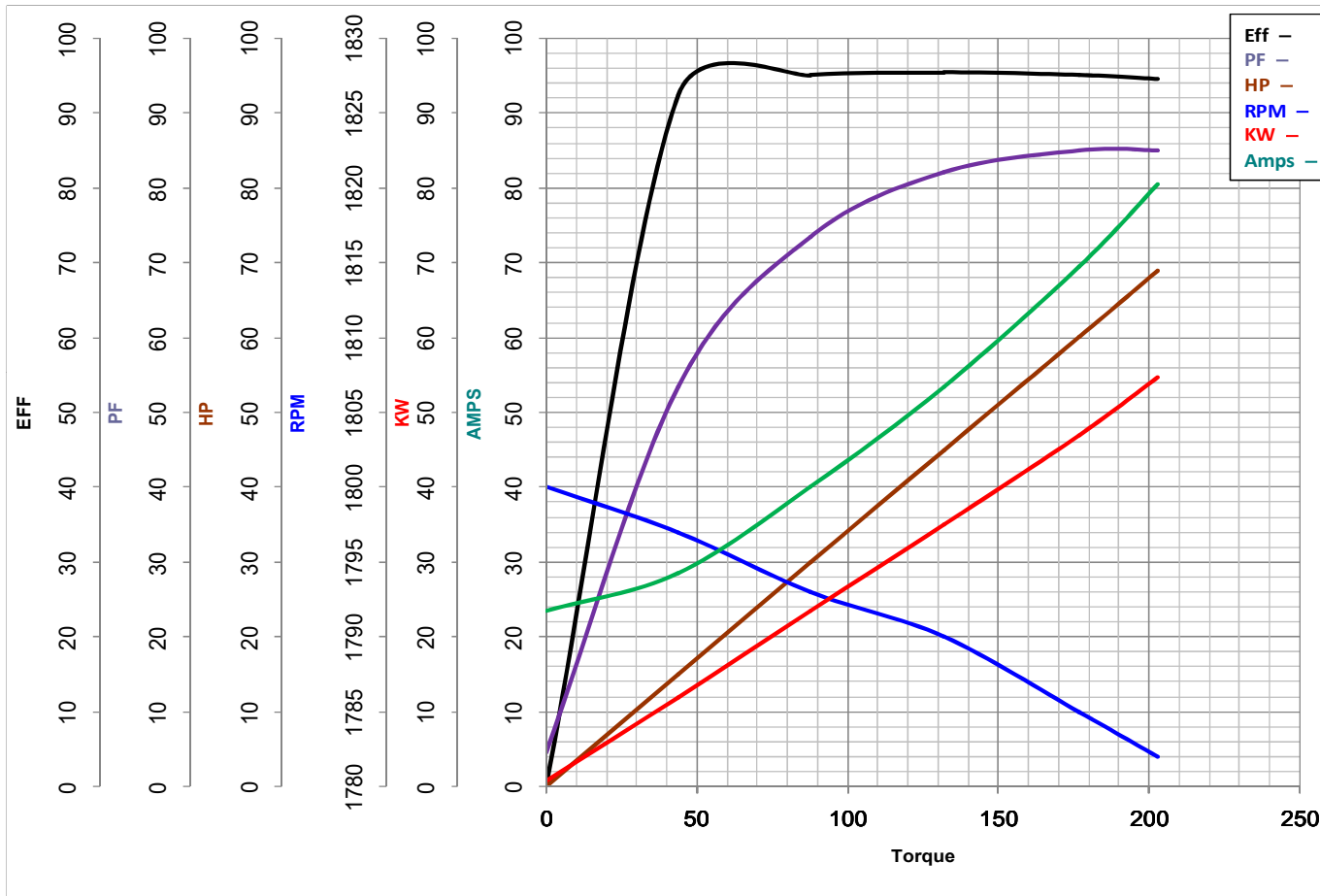
NONE P/N NONE

NONE NONE

NONE FT-LB NONE V NONE Hz

Model No 199755.00Catalog No 199755.00
**LEESON ELECTRIC CORPORATION**  
 TYPICAL PERFORMANCE CURVE for AC MOTOR

 Curve at 460  
60  
60

 Volts  
 HZ  
 HP
HP 60&50PHASE 3VOLTS 230/460&190/380HZ 60&50RPM 1785&1485

Torque in Lb.Ft

 FL TORQUE 177 Lb.Ft  
 BD TORQUE 487.0 Lb.Ft  
 LR TORQUE 309 Lb.Ft

 FL AMPS 139/69.5  
 PU TORQUE 216.0 Lb.Ft  
 LR AMPS 397

WINDING CHT36440002-1

Date 12/13/2018