

# PRODUCT INFORMATION PACKET



Model No: 199732.00

Catalog No: 199732.00

Obsolete Replaced by B199732.00..200HP..1800RPM.445T.ODP.460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.....G  
EN PURPOSE.....



Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E





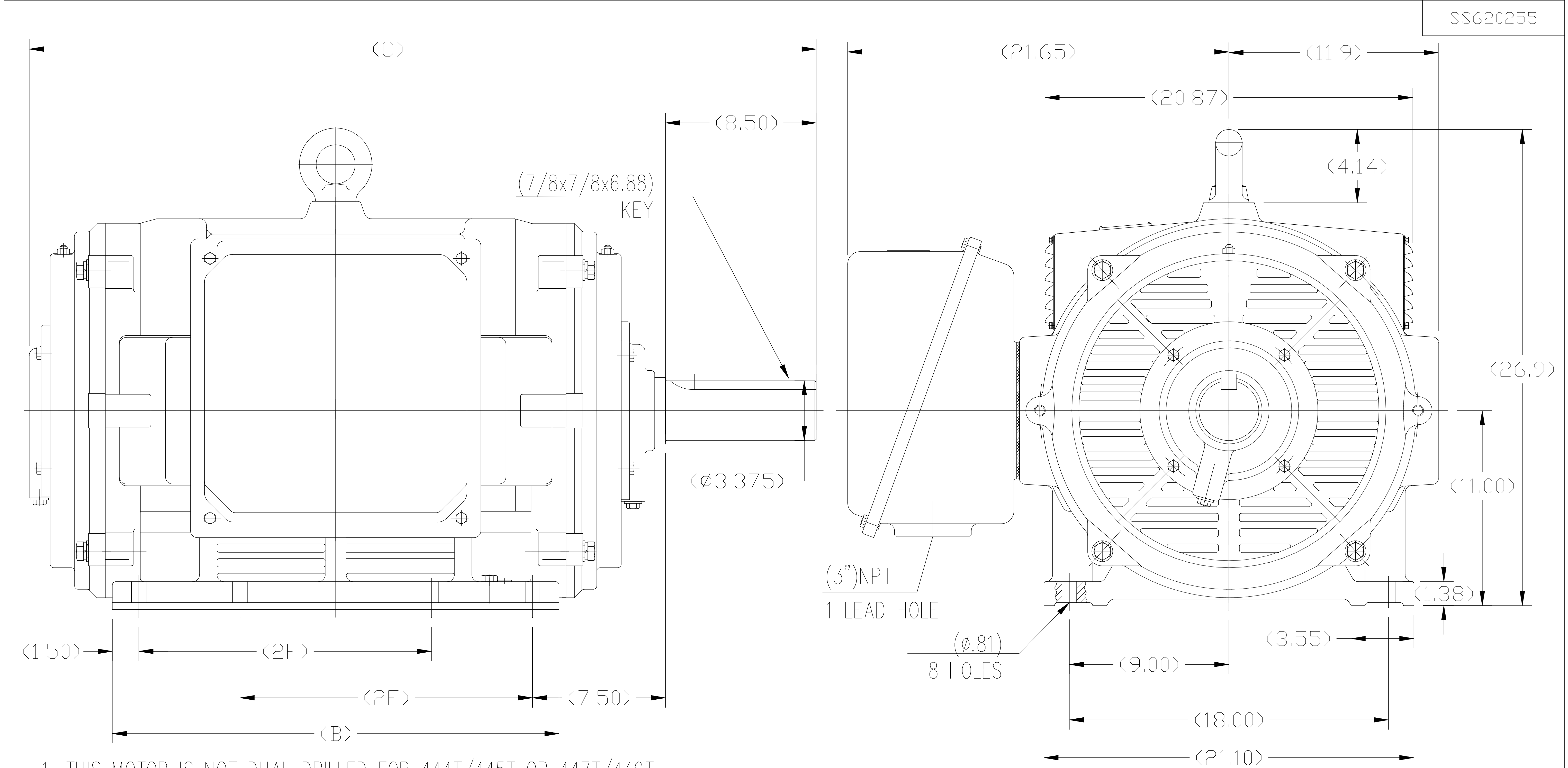
### Nameplate Specifications

|                        |                  |                            |               |
|------------------------|------------------|----------------------------|---------------|
| Phase                  | 3                | Output HP                  | 200 & 150 Hp  |
| Output KW              | 149.0 & 112.0 kW | Voltage                    | 460 & 380 V   |
| Speed                  | 1788 & 1488 rpm  | Service Factor             | 1.15 & 1.15   |
| Frame                  | 445T             | Enclosure                  | Drip Proof    |
| Thermal Protection     | No Protection    | Efficiency                 | 95.8 & 95.4 % |
| Ambient Temperature    | 40 °C            | Frequency                  | 60 & 50 Hz    |
| Current                | 220 & 200 A      | Power Factor               | 88            |
| Duty                   | Continuous       | Insulation Class           | F             |
| Design Code            | B                | KVA Code                   | F             |
| Drive End Bearing Size | 6319             | Opp Drive End Bearing Size | 6317          |
| UL                     | Recognized       | CSA                        | Y             |
| CE                     | Y                | IP Code                    | 12            |
| Number of Speeds       | 1                |                            |               |

### Technical Specifications

|                       |                              |                       |                            |
|-----------------------|------------------------------|-----------------------|----------------------------|
| Electrical Type       | Squirrel Cage Inverter Rated | Starting Method       | Part Wdg Start Or Inverter |
| Poles                 | 4                            | Rotation              | Reversible                 |
| Resistance Main       | .021 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       | SS620255-445T                | Connection Drawing    | EE7341C_LE                 |

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:06/22/2023



|       |       |       |       |
|-------|-------|-------|-------|
| 444T  | 44.57 | 25.20 | 14.50 |
| 445T  | 44.57 | 25.20 | 16.50 |
| 447T  | 49.69 | 30.32 | 20.00 |
| 449T  | 49.69 | 30.32 | 25.00 |
| Frame | C     | B     | 2F    |

|                                                                                                                                                                                                                                  |                             |             |             |                                |          |                                                                                       |                      |           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------|-------------|--------------------------------|----------|---------------------------------------------------------------------------------------|----------------------|-----------|
|                                                                                                                                                                                                                                  |                             |             |             | TOLERANCES<br>UNLESS SPECIFIED |          |  | DRAWN ZYH 02-21-2010 |           |
|                                                                                                                                                                                                                                  |                             |             |             | DEC.                           | INCHES   |                                                                                       | CHK HZJ 02-21-2010   |           |
|                                                                                                                                                                                                                                  |                             |             |             | .X                             | ±.1      | REGAL-BELOIT CORPORATION                                                              | APPD CL 02-21-2010   |           |
|                                                                                                                                                                                                                                  |                             |             |             | .XX                            | ±.03     |                                                                                       | SCALE 6=32           |           |
| G                                                                                                                                                                                                                                | UPDATED DRAWING PER MARK-UP | ECD-0108274 | WGJ 10-7-16 | EMH .XXX                       | ±.005    | TITLE OUTLINE                                                                         |                      | REF       |
| A                                                                                                                                                                                                                                | 2 leads hole change to 1    | CL 2010-9-8 |             | .XXXX                          | ±.0005   | 444/445/447/449T FR-ODP-CAST IRON                                                     |                      | FMF HWADA |
| NO.                                                                                                                                                                                                                              | REVISION                    | BY & DATE   | CHK ANG     | ±1/2                           | FINISH   | DRAWING NO.                                                                           |                      | REV.      |
| 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 | SS620255                                                                              | SIZE B               | SS620255  |
|                                                                                                                                                                                                                                  |                             |             |             | DIST                           |          |                                                                                       |                      | G         |

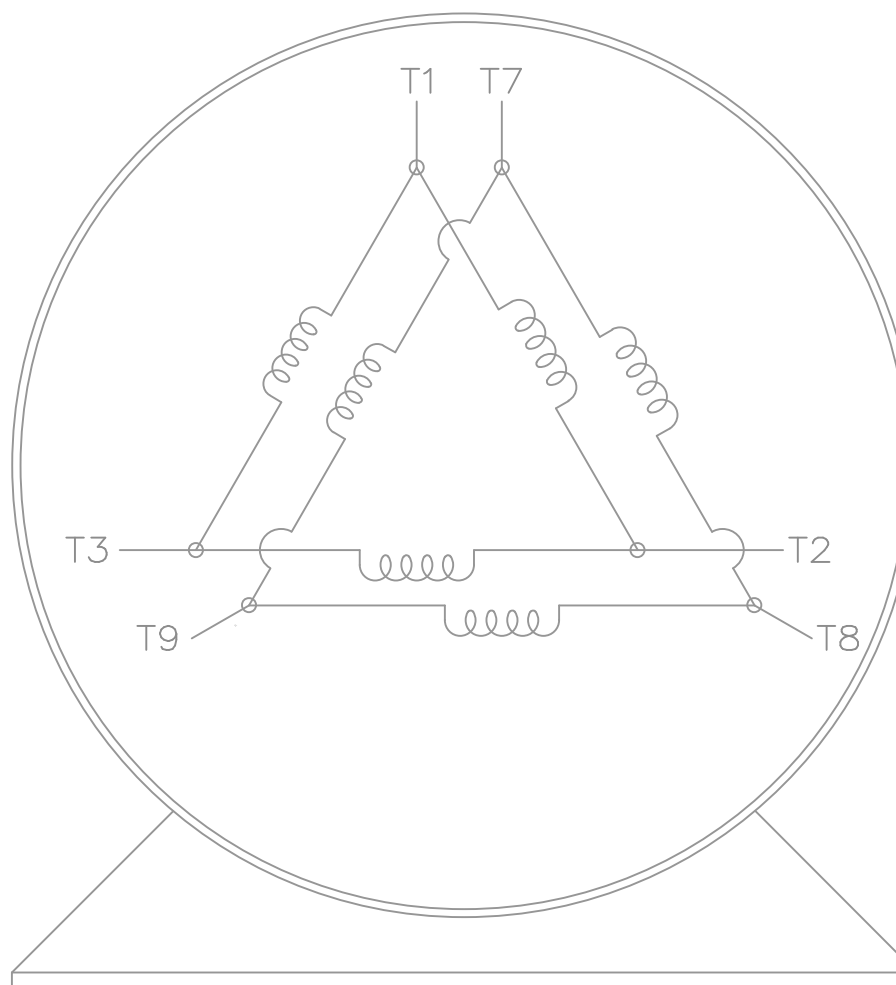
# THREE PHASE — PART WINDING START DELTA — 6 LEADS

## START

CONNECT T1 TO LINE 1  
CONNECT T2 TO LINE 2  
CONNECT T3 TO LINE 3  
T7-T8-T9 OPEN

## RUN

CONNECT T1&T7 TO LINE 1  
CONNECT T2&T8 TO LINE 2  
CONNECT T3&T9 TO LINE 3



VIEW OF TERMINAL END

|                                                                                                                                                                                                                                        |             |         |               |                                |        |                                                                                                                                   |                     |  |      |             |      |    |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---------------|--------------------------------|--------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------|--|------|-------------|------|----|------|
|                                                                                                                                                                                                                                        |             |         |               | TOLERANCES<br>UNLESS SPECIFIED |        |  ELECTRIC MOTORS<br>GEARMOTORS<br>AND DRIVES | DRAWN KL 07-23-2002 |  |      |             |      |    |      |
|                                                                                                                                                                                                                                        |             |         |               | DEC.                           | INCHES |                                                                                                                                   | CHK DJK 07-23-2002  |  |      |             |      |    |      |
|                                                                                                                                                                                                                                        |             |         |               | .X                             | ± -    |                                                                                                                                   | APPD EAB 07-23-2002 |  |      |             |      |    |      |
|                                                                                                                                                                                                                                        |             |         |               | .XX                            | ± -    | TITLE CONNECTION DIAGRAM<br>3ø - 6 LEADS                                                                                          | SCALE 1=1           |  |      |             |      |    |      |
|                                                                                                                                                                                                                                        |             |         |               | .XXX                           | ± -    |                                                                                                                                   | REF                 |  |      |             |      |    |      |
| 1                                                                                                                                                                                                                                      | NEW DRAWING | MU42766 | KL 07-23-2002 | .XXXX                          | ± -    | MAT'L.                                                                                                                            | FMF                 |  |      |             |      |    |      |
| NO.                                                                                                                                                                                                                                    | REVISION    |         | BY & DATE     | CHK                            | ANG    | ± -                                                                                                                               | 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 EE7341C-LE                                                                                                               |                     |  | SIZE | DRAWING NO. | PAGE | OF | REV. |
|                                                                                                                                                                                                                                        |             |         |               | DIST WA-LB-LE                  |        |                                                                                                                                   |                     |  | A    | EE7341C-LE  |      |    | 1    |



# CERTIFICATION DATA SHEET

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

**CONN. DIAGRAM:** EE7341C\_LE

**CATALOG #:** 199732.00

**OUTLINE:** SS620255

**MOUNTING:** F1/F2 CAPABLE

**WINDING #:** CHT44540004 1

## TYPICAL MOTOR PERFORMANCE DATA

| HP      | kW      | SYNC. RPM | F.L. RPM  | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|---------|---------|-----------|-----------|-------|-----------|----------|--------|
| 200&150 | 149&112 | 1800      | 1788&1488 | 445T  | DP        | F        | B      |

| PH | Hz    | VOLTS   | AMPS    | START TYPE      | DUTY       | INSL | S.F.      | AMB°C |
|----|-------|---------|---------|-----------------|------------|------|-----------|-------|
| 3  | 60/50 | 460&380 | 220&200 | PWS OR INVERTER | CONTINUOUS | F1   | 1.15/1.15 | 40    |

|                       |           |                      |      |                      |      |                 |  |                   |
|-----------------------|-----------|----------------------|------|----------------------|------|-----------------|--|-------------------|
| <b>FULL LOAD EFF:</b> | 95.8&95.4 | <b>3/4 LOAD EFF:</b> | 95.8 | <b>1/2 LOAD EFF:</b> | 95.4 | <b>GTD. EFF</b> |  | <b>ELEC. TYPE</b> |
| <b>FULL LOAD PF:</b>  | 88&89     | <b>3/4 LOAD PF:</b>  | 87   | <b>1/2 LOAD PF:</b>  | 84   | 95.4            |  | SQ CAGE INV RATED |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE      | B.D. TORQUE      | F.L. RISE°C |
|-------------|-------------------|------------------|------------------|-------------|
| 588 LB-FT   | 1325              | 1100 LB-FT 185 % | 1600 LB-FT 270 % | 38          |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2    | SAFE STALL TIME | STARTS / HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|------------|--------------|-----------------|---------------|-------------------|
| 84 dBA                 | 94 dBA      | 88 LB-FT^2 | 1000 LB-FT^2 | 20 SEC.         | 2             | 2200 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      |
| 6319     | 6317 |            |            |            |             |                   |                |

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

\*

N

O

T

E

S

**INVERTER TORQUE:** VARIABLE 10:1

**INV. HP SPEED RANGE:** NONE

**ENCODER:** NONE

NONE NONE

NONE NONE PPR

**BRAKE:** NONE NONE

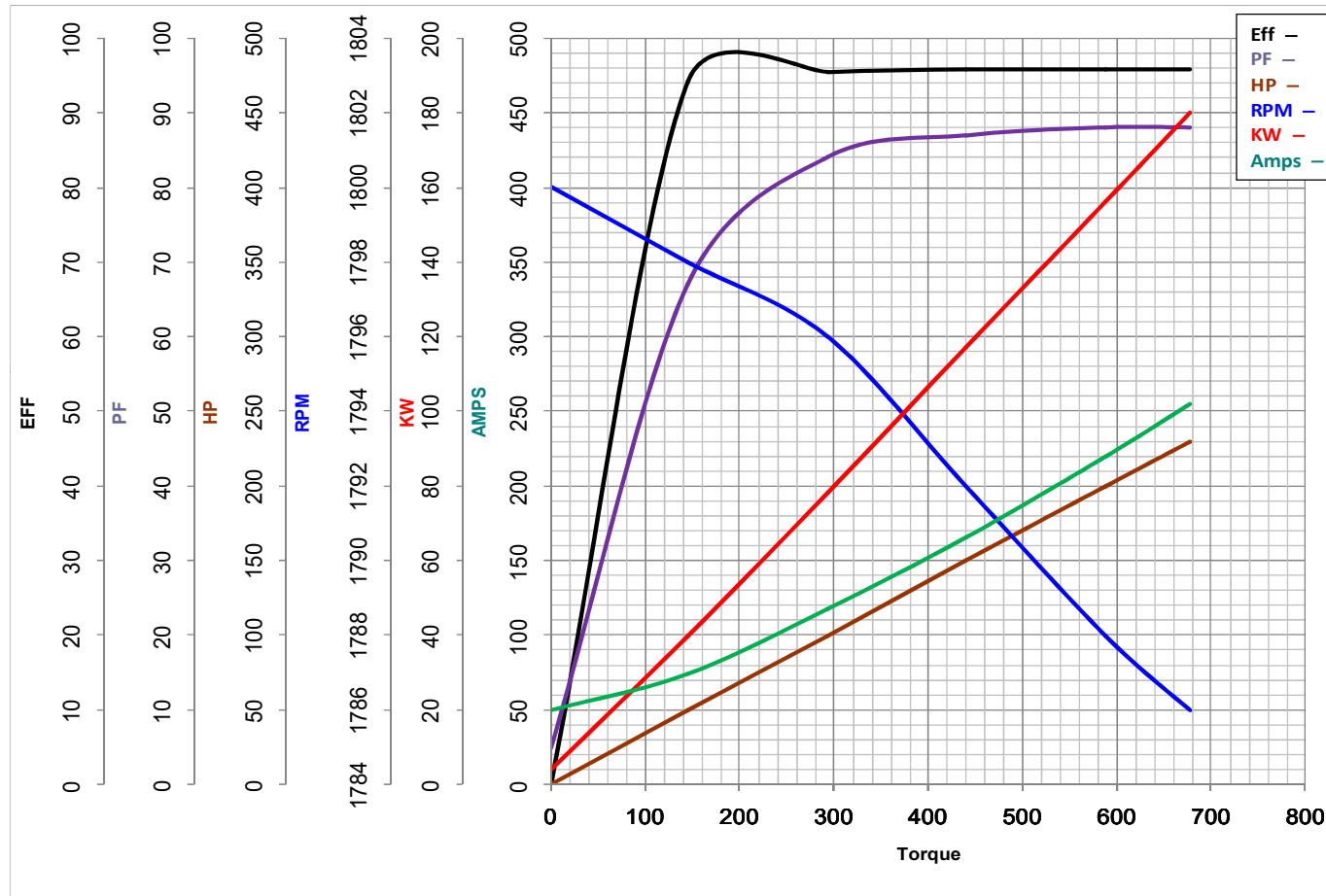
NONE P/N NONE

NONE NONE

NONE FT-LB NONE V NONE Hz

Model No 199732.00Catalog No 199732.00
**LEESON ELECTRIC CORPORATION**  
 TYPICAL PERFORMANCE CURVE for AC MOTOR

 Curve at 460  
60  
200

 Volts  
 HZ  
 HP
HP 200&150PHASE 3VOLTS 460&380HZ 60&50RPM 1788&1488

Torque in Lb.Ft

 FL TORQUE 588 Lb.Ft  
 BD TORQUE 1600 Lb.Ft  
 LR TORQUE 1100 Lb.Ft

 FL AMPS 220  
 PU TORQUE 850.0 Lb.Ft  
 LR AMPS 1325

WINDING CHT44540004-1

Date 11/13/2018