

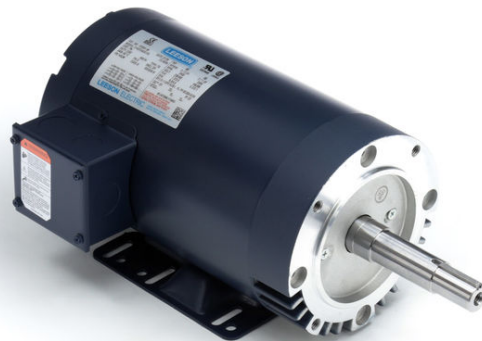
# PRODUCT INFORMATION PACKET



Model No: C145T34DC17A

Catalog No: 122079.00

..2..3600.145JMV.DP.230/460V.3.60/50HZ.CONT.40C..C-FACE.....  
JM



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REGAL



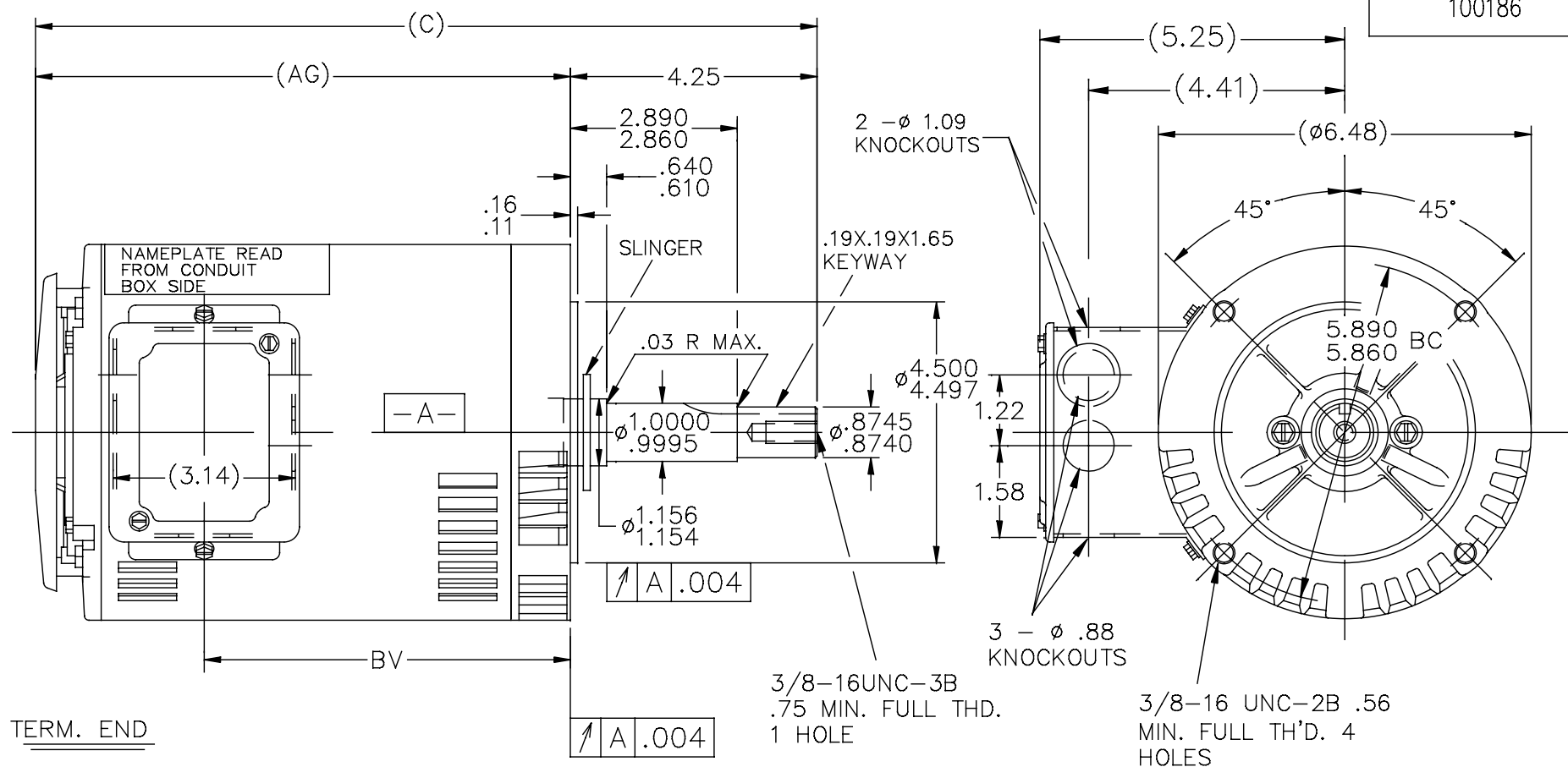
## Nameplate Specifications

|                            |                   |                        |                   |
|----------------------------|-------------------|------------------------|-------------------|
| Output HP                  | <b>2 Hp</b>       | Output KW              | <b>1.5 kW</b>     |
| Frequency                  | <b>60 Hz</b>      | Voltage                | <b>230/460 V</b>  |
| Current                    | <b>5.6/2.8 A</b>  | Speed                  | <b>3510 rpm</b>   |
| Service Factor             | <b>1.15</b>       | Phase                  | <b>3</b>          |
| Efficiency                 | <b>86.5 %</b>     | Duty                   | <b>Continuous</b> |
| Insulation Class           | <b>F</b>          | Design Code            | <b>B</b>          |
| KVA Code                   | <b>L</b>          | Frame                  | <b>145JMV</b>     |
| Enclosure                  | <b>Drip Proof</b> | Overload Protector     | <b>No</b>         |
| Ambient Temperature        | <b>40 °C</b>      | Drive End Bearing Size | <b>6206</b>       |
| Opp Drive End Bearing Size | <b>6203</b>       | UL                     | <b>Recognized</b> |
| CSA                        | <b>Y</b>          | CE                     | <b>Y</b>          |
| IP Code                    | <b>22</b>         |                        |                   |

## Technical Specifications

|                       |                                     |                       |                                 |
|-----------------------|-------------------------------------|-----------------------|---------------------------------|
| Electrical Type       | <b>Squirrel Cage Inverter Rated</b> | Starting Method       | <b>Line Or Inverter</b>         |
| Poles                 | <b>2</b>                            | Rotation              | <b>Reversible</b>               |
| Mounting              | <b>Round</b>                        | Motor Orientation     | <b>HORIZONTAL OR SHAFT DOWN</b> |
| Drive End Bearing     | <b>BALL</b>                         | Opp Drive End Bearing | <b>BALL</b>                     |
| Frame Material        | <b>Rolled Steel</b>                 | Shaft Type            | <b>JM</b>                       |
| Overall Length        | <b>13.42 in</b>                     | Frame Length          | <b>7.06 in</b>                  |
| Shaft Diameter        | <b>1.000 in</b>                     | Shaft Extension       | <b>4.25 in</b>                  |
| Assembly/Box Mounting | <b>F1 ONLY</b>                      |                       |                                 |
| Outline Drawing       | <b>A-100186-706</b>                 | Connection Diagram    | <b>A-EE7308-REGAL</b>           |

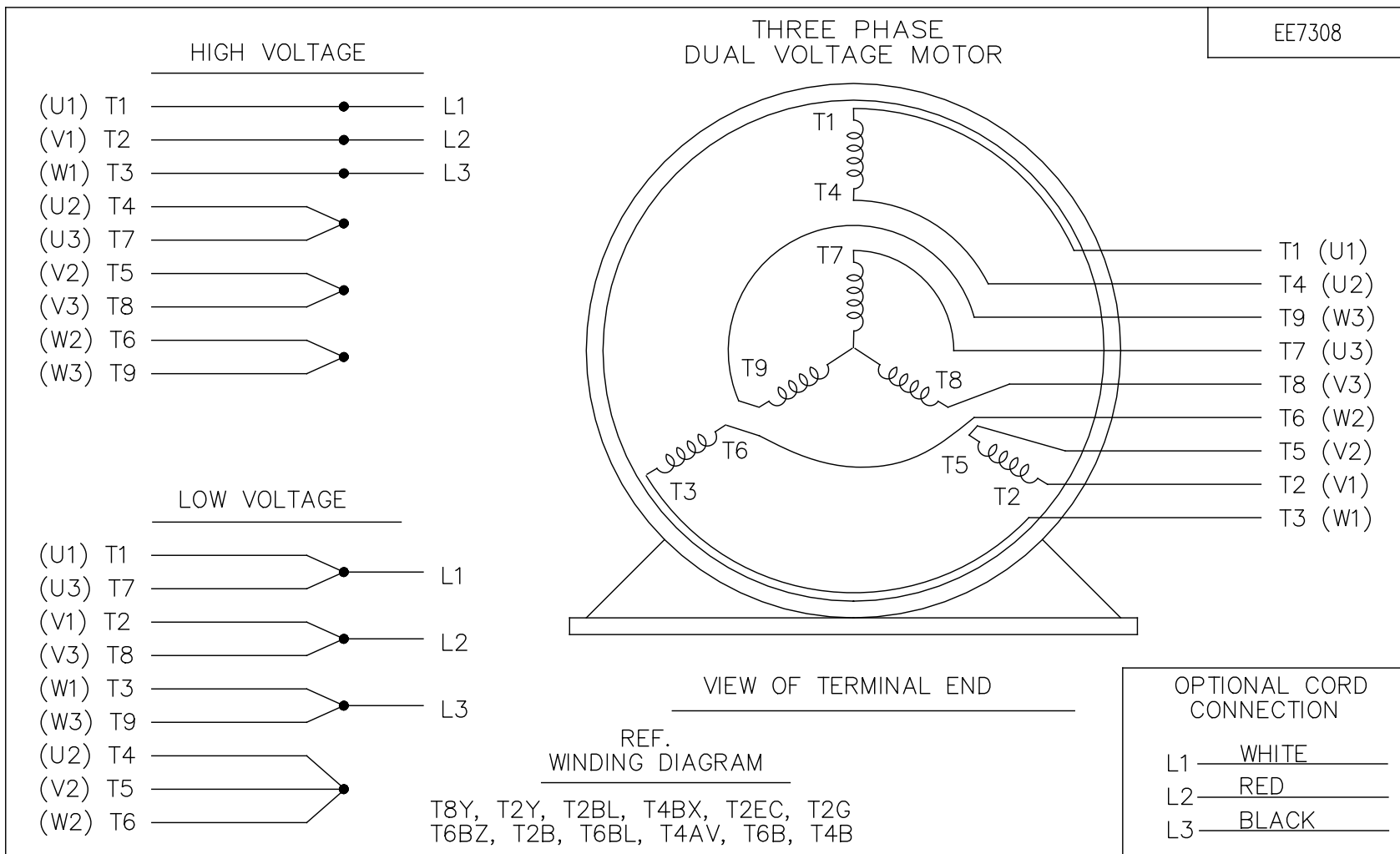
# Uncontrolled Copy



| DASH | FRAME | C     | AG   | BV   | DASH | FRAME | C     | AG    | BV   |
|------|-------|-------|------|------|------|-------|-------|-------|------|
|      |       |       |      |      | 806  | 140   | 14.42 | 10.17 | 7.31 |
| 656  | 140   | 12.92 | 8.67 | 5.81 | 856  | ”     | 14.92 | 10.67 | 7.81 |
| 706  | 140   | 13.42 | 9.17 | 6.31 | 906  | ”     | 15.42 | 11.17 | 8.31 |
| 756  | 140   | 13.92 | 9.67 | 6.81 | 956  | ”     | 15.92 | 11.67 | 8.81 |

NOTE: CONDUIT BOX CAN BE ROTATED 180°

|                                                                                                                                                                                                                                        |                                |                |         |                                |        |                                                                                                                         |                      |                    |              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------|---------|--------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------|--------------|
|                                                                                                                                                                                                                                        |                                |                |         | TOLERANCES<br>UNLESS SPECIFIED |        |  <b>Regal Beloit America, Inc.</b> | DRAWN SMC 10-30-1990 |                    |              |
| 6                                                                                                                                                                                                                                      | UPDATED TO REGAL LOGO          | SAJ 07-06-2015 | VS      | DEC.                           | INCHES |                                                                                                                         | CHK                  | ML 10-31-1990      |              |
| 5                                                                                                                                                                                                                                      | REVISED AK DIA ECR-0044440     | SVL 11-06-2013 |         | .X                             | ±.1    |                                                                                                                         | APPD                 |                    |              |
| 4                                                                                                                                                                                                                                      | REDRAWN IN AUTOCAD             | TAT 07-06-2004 | ML      | .XX                            | ±.03   | TITLE OUTLINE<br>140T FR.-BB-DR.PR-C FACE-3ø-JM. EXT.                                                                   |                      | SCALE              | 3=8          |
| 3                                                                                                                                                                                                                                      | .75 FULL THD. WAS .88 CN 13229 | RM 04-26-1991  |         | .XXX                           | ±.005  |                                                                                                                         |                      | REF                |              |
| 2                                                                                                                                                                                                                                      | REDRAWN ON CADD                | SMC 10-30-1990 |         | .XXXX                          | ±.0005 | MAT'L                                                                                                                   | FMF                  |                    |              |
| NO.                                                                                                                                                                                                                                    | REVISION                       | BY & DATE      | CHK     | ANG                            | ±7°30" | 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 100186                                                                                                         | SIZE<br>A            | DRAWING NO. 100186 | PAGE OF<br>6 |
|                                                                                                                                                                                                                                        |                                |                | DIST WP |                                |        |                                                                                                                         |                      |                    |              |



| NO. | REVISION                                       | BY & DATE      | CHK | ANG     | TOLERANCES<br>UNLESS SPECIFIED |        | DRAWN RM                                                                                                                | 11/20/1990          |
|-----|------------------------------------------------|----------------|-----|---------|--------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------|---------------------|
|     |                                                |                |     |         | DEC.                           | INCHES |                                                                                                                         |                     |
| 5   | CHG TO REGAL LOGO                              | SL 09/10/2015  | AB  |         |                                |        |  <b>Regal</b> Beloit America, Inc. | CHK ML 11/21/1990   |
| 4   | REVISED IEC NOTATIONS                          | MSG 11/15/2011 | CMN | .X      | ±.1                            |        |                                                                                                                         | APPD SAS 04/24/2003 |
| 3   | ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194 | MSG 5/10/2010  | MJS | .XX     | ±.02                           |        |                                                                                                                         | SCALE 1=1           |
| 2   | ADDED THE OPTIONAL CORD CONNECTION MU46318     | RDH 04/24/2003 | DRS | .XXX    | ±.005                          |        |                                                                                                                         | REF                 |
| 1   | REDRAWN                                        | RM 11/20/1990  |     | .XXXX   | ±.0005                         |        |                                                                                                                         | FMF                 |
|     |                                                |                |     |         | ±7'30"                         |        | FINISH                                                                                                                  | PREV                |
|     |                                                |                |     | RFP     | CAD FILE ee7308                |        | SIZE A                                                                                                                  | DRAWING NO. EE7308  |
|     |                                                |                |     | DIST WP |                                |        |                                                                                                                         | PAGE 5              |

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Data Sheet

Date: 1/22/2018

122079.00



Data @ 460 V

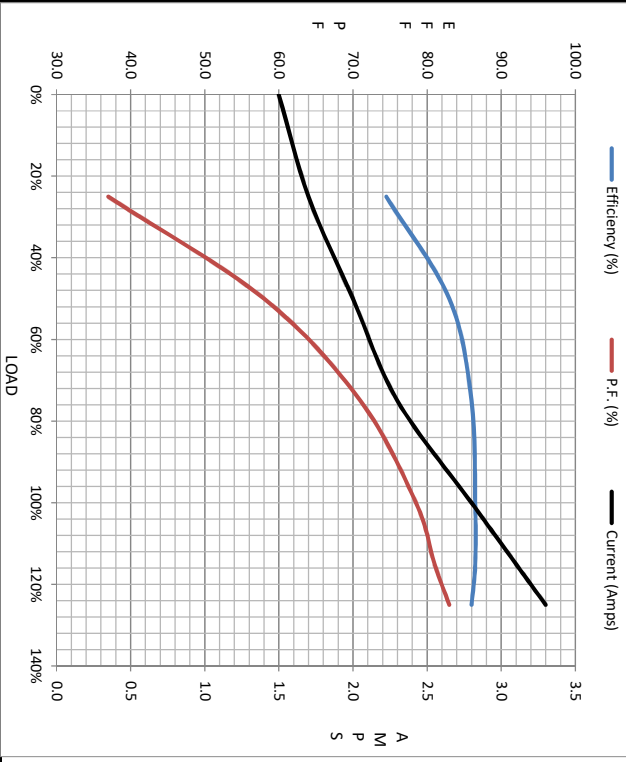
Motor Load Data

| Load           | 0%   | 25%  | 50%  | 75%  | 100% | 115% | 125% | LR   |
|----------------|------|------|------|------|------|------|------|------|
| Current (Amps) | 1.50 | 1.70 | 2.00 | 2.30 | 2.80 | 3.1  | 3.3  | 24.2 |
| Torque (ft-lb) | 0.00 | 0.71 | 1.50 | 2.20 | 3.0  | 3.5  | 3.8  | 9.0  |
| RPM            | 3600 | 3580 | 3560 | 3540 | 3510 | 3500 | 3495 | 0    |
| Efficiency (%) |      | 74.5 | 83.0 | 86.0 | 86.5 | 86.5 | 86.0 |      |
| P.F. (%)       | 10.0 | 37.0 | 58.0 | 71.0 | 78.5 | 81.0 | 83.0 | 64.5 |

Motor Speed Data

|                | LR   | Pull-Up | BD   | Rated | Idle |
|----------------|------|---------|------|-------|------|
| Speed (RPM)    | 0    | 1500    | 2570 | 3510  | 3600 |
| Current (Amps) | 24.2 | 21.8    | 16.2 | 2.80  | 1.50 |
| Torque (ft-lb) | 9.0  | 11.0    | 12.8 | 3.0   | 0.00 |

|                   |      |
|-------------------|------|
| Information Block |      |
| HP                | 2.0  |
| Sync. RPM         | 3600 |



|                            |        |                    |               |
|----------------------------|--------|--------------------|---------------|
| Enclosure                  |        | DP                 |               |
| Construction               |        | TDR                |               |
| Voltage                    |        | 230/460# 190/380 V |               |
| Frequency                  |        | 60 Hz              |               |
| Design                     |        | B                  |               |
| LR Code letter             |        | L                  |               |
| Service Factor             |        | 1.15               |               |
| Temp Rise @ FL             |        | 38 °C              |               |
| Duty                       |        | CONT               |               |
| Ambient                    |        | 40 °C              |               |
| Elevation                  |        | 1,000 feet         |               |
| Rotor/Shaft wk²            |        | 0.03 Lb-Ft²        |               |
| Ref Wdg                    |        | ZT224 DR           |               |
| Sound Pressure @ 1M        |        | 68 dBA             |               |
| VFD Rating                 |        | CONSTANT 2:1       |               |
| Outline Dwg                |        | A-100186-706       |               |
| Conn. Diag                 |        | A-EE7308-REGAL     |               |
| 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

