

PRODUCT INFORMATION PACKET

Model No: 215TTDW4007
Catalog No: E184
15,3600,DP,215JMV,3/60/575
JM



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Nameplate Specifications

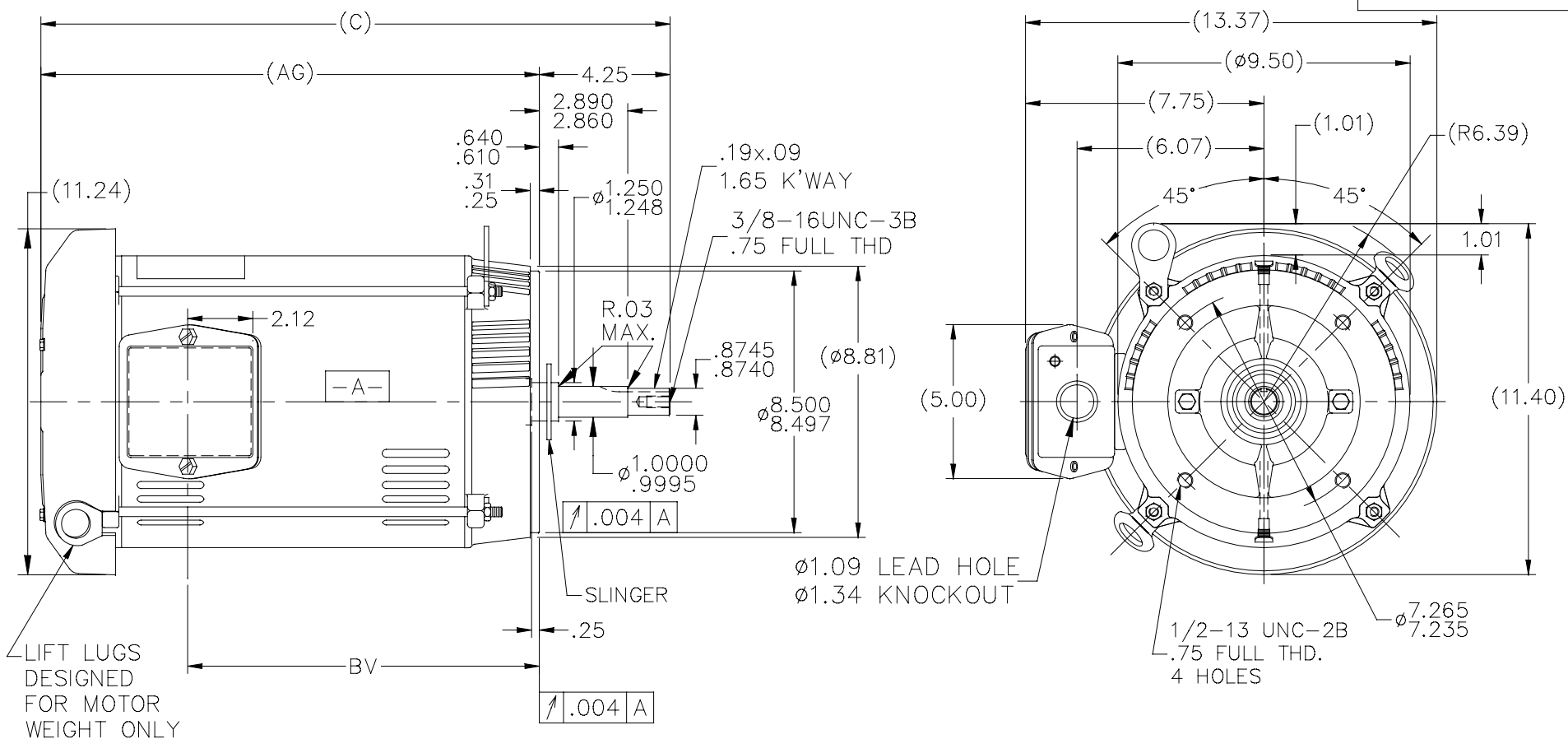
| | | | |
|----------------------------|-------------------|------------------------|-------------------|
| Output HP | 15 Hp | Output KW | 11.2 kW |
| Frequency | 60 Hz | Voltage | 575 V |
| Current | 13.6 A | Speed | 3510 rpm |
| Service Factor | 1.15 | Phase | 3 |
| Efficiency | 90.2 % | Duty | Continuous |
| Insulation Class | B | Design Code | B |
| KVA Code | G | Frame | 215JMV |
| Enclosure | Drip Proof | Overload Protector | No |
| Ambient Temperature | 40 °C | Drive End Bearing Size | 6309 |
| Opp Drive End Bearing Size | 6206 | UL | Recognized |
| CSA | Y | CE | Y |
| IP Code | 22 | | |

Technical Specifications

| | | | |
|-----------------------|------------------------------------|-----------------------|------------------------|
| Electrical Type | Squirrel Cage Induction Run | Starting Method | Across The Line |
| Poles | 2 | Rotation | Reversible |
| Mounting | Round | Motor Orientation | Shaft Down |
| Drive End Bearing | Ball | Opp Drive End Bearing | Ball |
| Frame Material | Rolled Steel | Shaft Type | JM |
| Overall Length | 21.69 in | Frame Length | 12.40 in |
| Shaft Diameter | 0.875 in | Shaft Extension | 4.25 in |
| Assembly/Box Mounting | F1/F2 Capable | | |
| Outline Drawing | A-SS86596-1240 | Connection Diagram | A-EE7300 |

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SS86596



| DASH | FR. | C | AG | BV |
|------|----------|-------|-------|-------|
| 965 | 213JM | 18.94 | 14.69 | 9.93 |
| 1115 | 213/15JM | 20.44 | 16.19 | 11.43 |
| 1240 | 213/15JM | 21.69 | 17.44 | 12.68 |

NOTES:

- NAMEPLATE TO BE READ FROM SHAFT EXT. END OF MOTOR.
- BOX CAN BE MOUNTED IN 90° STEPS.

| NO. | REVISION | BY & DATE | CHK | ANG | ±7'30" | TOLERANCES UNLESS SPECIFIED | | DRAWN DA 03 26 1996 |
|-----|--|----------------|---------|-------|--------|-----------------------------|-------------------------|---------------------|
| | | | | | | DEC. | INCHES | |
| 6 | TITLE BLOCK LOGO CHANGE PER ECO-0078542 | MDV 06/09/2015 | | | | | | CHK ML 04-01-1996 |
| 5 | UPDATED DRAWING | TJW 04/30/2007 | | | | | | APPD DN 04-01-1996 |
| 4 | REDRAWN IN AUTOCAD | TAT 07-06-2004 | ML | .X | ±.1 | | | SCALE 1=5 |
| 3 | UPDATED DRIP COVER GEOMETRY CN 29200-433 | DRS 01-25-2002 | | .XX | ±.03 | | TITLE OUTLINE - C' FACE | REF |
| 2 | UPDATED C' BOX GEOMETRY CN 28425 | DRS 01-31-2001 | | .XXX | ±.005 | | 210JM FR. - DR. PR. | FMF |
| 1 | NEW DRAWING - DES/DEV | DA 04-02-1996 | | .XXXX | ±.0005 | | MAT'L. | PREV |
| | | | RFP | | | | CAD FILE ss86596 | SIZE A |
| | | | DIST LB | | | | | DRAWING NO. SS86596 |
| | | | | | | | | PAGE OF 6 |
| | | | | | | | | REV. 6 |



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**THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'**

**TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.**

TERMINAL BLOCK WHEN SPECIFIED



VIEW OF TERMINAL END

**IF MOTOR HAS
6 LEADS**

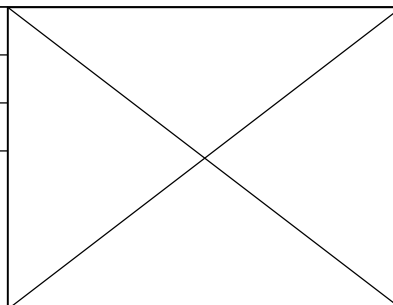



A-9806 DECAL

**OPTIONAL CORD
CONNECTION**



| | | |
|---|---------------------------|---------------------------|
| DRAWING REVISION AB | REVISION BY JJB | DATE 06-27-2017 |
| ECO ECO-0125361 | APPROVED BY TB | DATE 06-27-2017 |
| ECO DESCRIPTION UPDATED TO CURRENT STANDARDS | | |
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| | |
|---------------------------------|---|
| DRAWN BY DA |  Regal Beloit America, Inc. |
| DATE 03-26-1993 | |
| APPROVED BY TB | DESCRIPTION CONNECTION DIAGRAM |
| DATE 03-26-1993 | EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR |
| REFERENCE | MATERIAL |
| PROCESS/FINISH | |
| THIRD ANGLE PROJECTION | SIZE A |
| DRAWING NUMBER EE7300 | SHEET 1 OF 1 |

Data Sheet

215T1DW4007



Submittal
Data @ 575 V

Date: 6/29/2017

Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

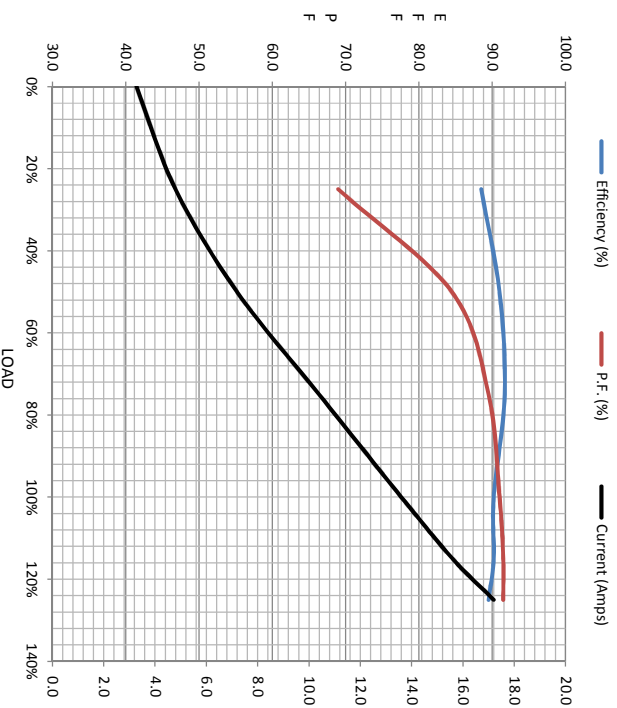
| Load | Motor Load Data | | | | | | | |
|----------------|-----------------|------|------|------|------|------|------|------|
| | 0% | 25% | 50% | 75% | 100% | 115% | 125% | LR |
| Current (Amps) | 3.3 | 4.8 | 7.2 | 10.4 | 13.6 | 15.6 | 17.2 | 92.8 |
| Torque (ft-lb) | 0.00 | 5.5 | 11.0 | 16.7 | 22.5 | 26.0 | 28.5 | 34.5 |
| RPM | 3600 | 3580 | 3560 | 3535 | 3510 | 3495 | 3485 | 0 |
| P.F. (%) | 91.0 | 88.5 | 91.0 | 91.7 | 90.2 | 89.5 | 89.5 | 42.0 |
| | 9.0 | 69.0 | 84.5 | 89.5 | 91.0 | 91.5 | 91.5 | |

Motor Speed Data

| | LR | Pull-Up | BD | Rated | Idle |
|----------------|------|---------|------|-------|------|
| Speed (rpm) | 0 | 1200 | 3025 | 3510 | 3600 |
| Current (Amps) | 92.8 | 80.0 | 58.8 | 13.6 | 3.3 |
| Torque (ft-lb) | 34.5 | 31.0 | 65.5 | 22.5 | 0.00 |

Information Block

| | |
|----------------------------|----------------|
| HP | 15.0 |
| Sync. RPM | 3600 |
| Frame | 215 |
| Enclosure | DP |
| Construction | TDW |
| Voltage | 575 V |
| Frequency | 60 Hz |
| Design | A |
| LR Code letter | G |
| Service Factor | 1.15 |
| Temp Rise @ FL | 35 °C |
| Duty | CONT |
| Ambient | 40 °C |
| Elevation | 1,000 feet |
| Rotor/Shaft wkt | 0.60 Lb-Fe |
| Rel Wdg | K2152149 NONE |
| Sound Pressure @ 1M | 75 dBA |
| VFD Rating | NONE |
| Outline Dwg | A-SS86596-1240 |
| Conn. Diag | A-EE7300 |
| Additional Specifications: | |
| | |
| | |
| EQUIV CKT (OHMS / PHASE) | |
| R1 | R2 |
| 0.7590 | 0.5760 |
| X1 | X2 |
| 2.3300 | 1.5800 |
| Xm | Xm |
| | 91.5470 |



Speed - Torque Curve

