

PRODUCT INFORMATION PACKET



Model No: LM21841

Catalog No: LM21841

Automotive Duty Motor, 3 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 215UC Frame, TEFC

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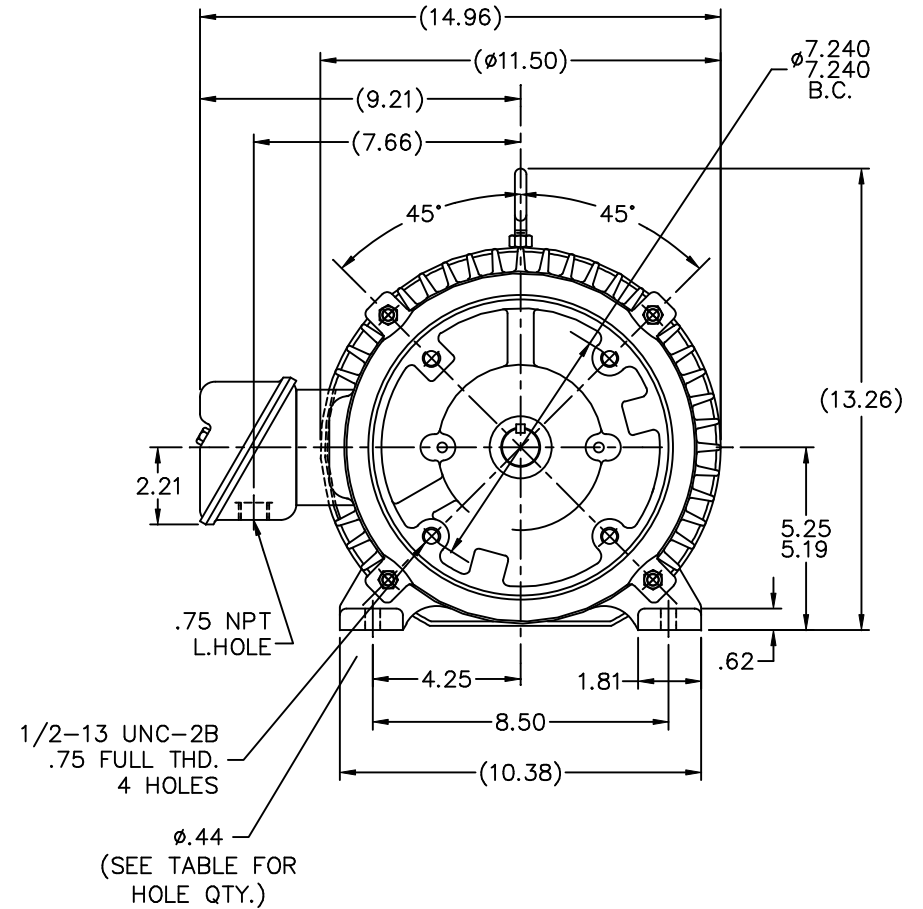
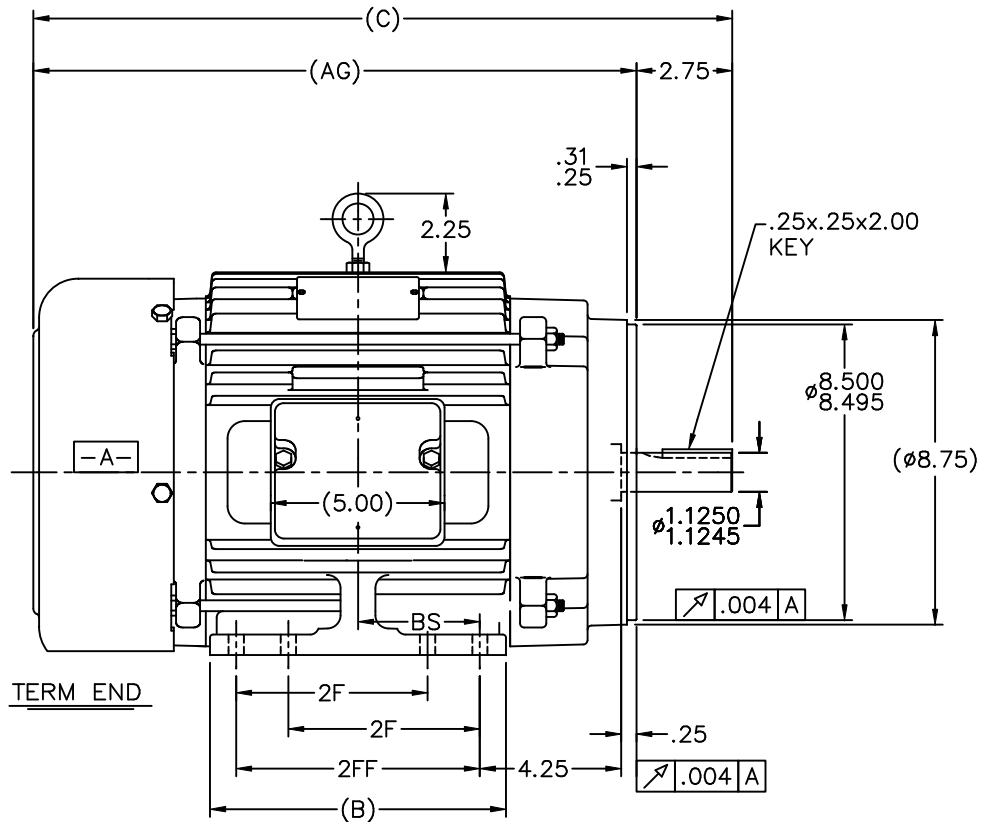
Nameplate Specifications

| | | | |
|------------------------|---------------|----------------------------|-----------------------------|
| Phase | 3 | Output HP | 3 Hp |
| Output KW | 2.2 kW | Voltage | 460 V |
| Speed | 1170 rpm | Service Factor | 1.0 |
| Frame | 215UC | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No Protection | Efficiency | 89.5 % |
| Ambient Temperature | 65 °C | Frequency | 60 Hz |
| Current | 4.4 A | Power Factor | 70 |
| Duty | Continuous | Insulation Class | F |
| Design Code | B | KVA Code | K |
| Drive End Bearing Size | 309 | Opp Drive End Bearing Size | 206 |
| UL | Recognized | CSA | Y |
| CE | Y | IP Code | 43 |
| Number of Speeds | 1 | | |

Technical Specifications

| | | | |
|-----------------------|-----------------------------|--------------------|-----------------|
| Electrical Type | Squirrel Cage Induction Run | Starting Method | Across The Line |
| Poles | 6 | Rotation | Reversible |
| Resistance Main | 2.785 Ohms | Mounting | Rigid Base |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Cast Iron |
| Shaft Type | U | Shaft Diameter | 1.25 in |
| Assembly/Box Mounting | F1/F2 CAPABLE | | |
| Outline Drawing | A-SS88249LN-875 | Connection Drawing | A-EE7300-LN |

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NOTES:

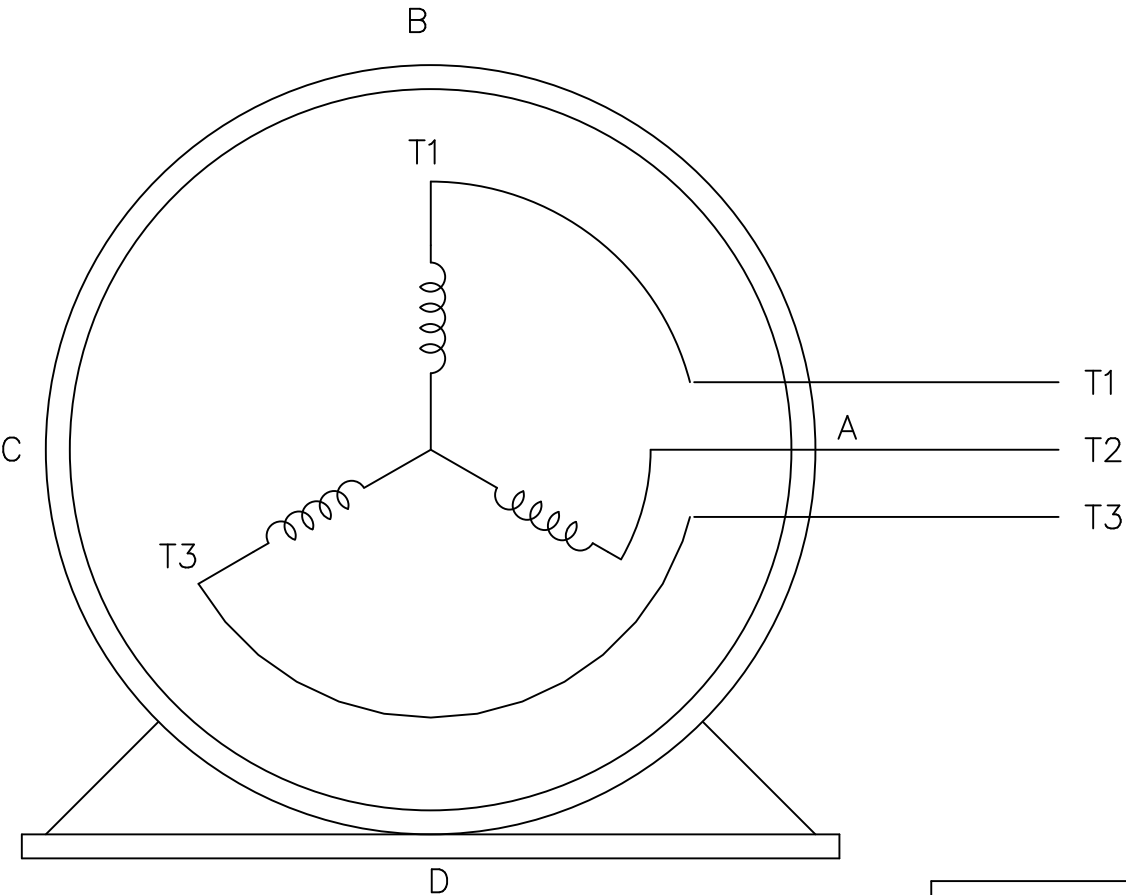
1. BOX CAN BE ROTATED IN 90° STEPS.
2. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|----------|-------|-------|------|------|------|------|----------------|--|---|----------------|-----|-------|--------|--|--|--|--------------------|---------|--|--------------------|--|------|-------------|---------|------|
| | | | | | | | | | 4 | UPDATED DIM'S & TABLE FOR FOOT HOLES CN 38308 | TAT 06-21-2005 | ML | .X | ±.1 | TITLE OUTLINE 210UC FR. - BB - TEFC - C' FACE | | | APPD TB 08-14-2000 | | | | | | | | |
| | | | | | | | | | 3 | REVISED C' BOX WAS 3.75" WIDE CN 28426 | RJW 01-07-2005 | | .XX | ±.03 | SCALE 9=32 | | | | | | | | | | | |
| | | | | | | | | | 2 | CORRECTED DASH 725 C DIM WAS 21.58 CN29200-1013 | BJW 10-27-2000 | | .XXX | ±.005 | REF | | | | | | | | | | | |
| 725 | 213UC | 18.58 | 15.83 | 7.00 | - | 5.50 | 2.73 | 4 | 1 | NEW DRAWING MU32711 | DRS 08-14-2000 | | .XXXX | ±.0005 | FMF | | | | | | | | | | | |
| 875 | 213/15UC | 20.08 | 17.33 | 8.50 | 5.50 | 7.00 | 3.50 | 8 | NO. | REVISION | BY & DATE | CHK | ANG | ±1/2" | FINISH | | | PREV | | | | | | | | |
| | | | | | | | | | 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 ss88249ln | | SIZE | DRAWING NO. | PAGE OF | REV. |
| | | | | | | | | | | | | | | | | | | | DIST LB | | | | B | SS88249LN | 4 | |
| DASH | FRAME | C | AG | B | 2F | 2FF | BS | FOOT HOLE QTY. | | | | | | | | | | | | | | | | | | |

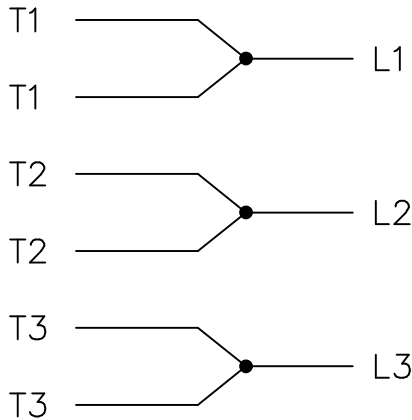
THREE PHASE – SINGLE VOLTAGE
MOTOR – CONDUIT BOX @ 'A'

EE7300-LN

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS




IF MOTOR HAS
6 LEADS



A-9806 DECAL

OPTIONAL CORD
CONNECTION

L1 WHITE
L2 RED
L3 BLACK

| | | | | | | | | |
|--|--|----------------|--------------------------------|--------------------|---|--|-----------|-----------------------|
| | | | TOLERANCES UNLESS SPECIFIED | |  | DRAWN BLR 08-13-1999 | | |
| | | | DEC. | INCHES | | CHK | ML | 08-13-1999 |
| | | | .X | ±.1 | | APPD | GK | 08-13-1999 |
| | | | .XX | ±.02 | | SCALE 1=1 | | |
| 2 | ADDED OPTIONAL CORD CONNECTION PER MU47226 | CTO 03-31-2004 | PJB | .XXX | ±.005 | TITLE CONNECTION DIAGRAM SINGLE VOLT – 3Ø MOTOR | | |
| 1 | NEW DRAWING | CTO 08-13-1999 | | .XXXX | ±.0005 | MAT'L. | | |
| NO. | REVISION | BY & DATE | CHK | ANG | ±7'30" | FINISH | | |
| 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 EE7300_LN | | | SIZE A | DRAWING NO. EE7300-LN |
| | | | DIST | WP | | | | PAGE OF 2 |

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
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Wausau, WI 54401

and the authorized representative
established within the Community:

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Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : LM21841

(Model No. may contain prefix and/or suffix characters)

Catalog No : LM21841

Rework No : N/A

Directives :

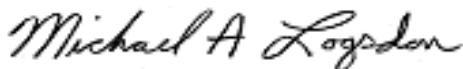
Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22