

# PRODUCT INFORMATION PACKET



Model No: LM21845

Catalog No: LM21845

Automotive Duty Motor, 15 HP, 3 Ph, 60 Hz, 460 V, 3600 RPM, 256UC Frame, TEFC

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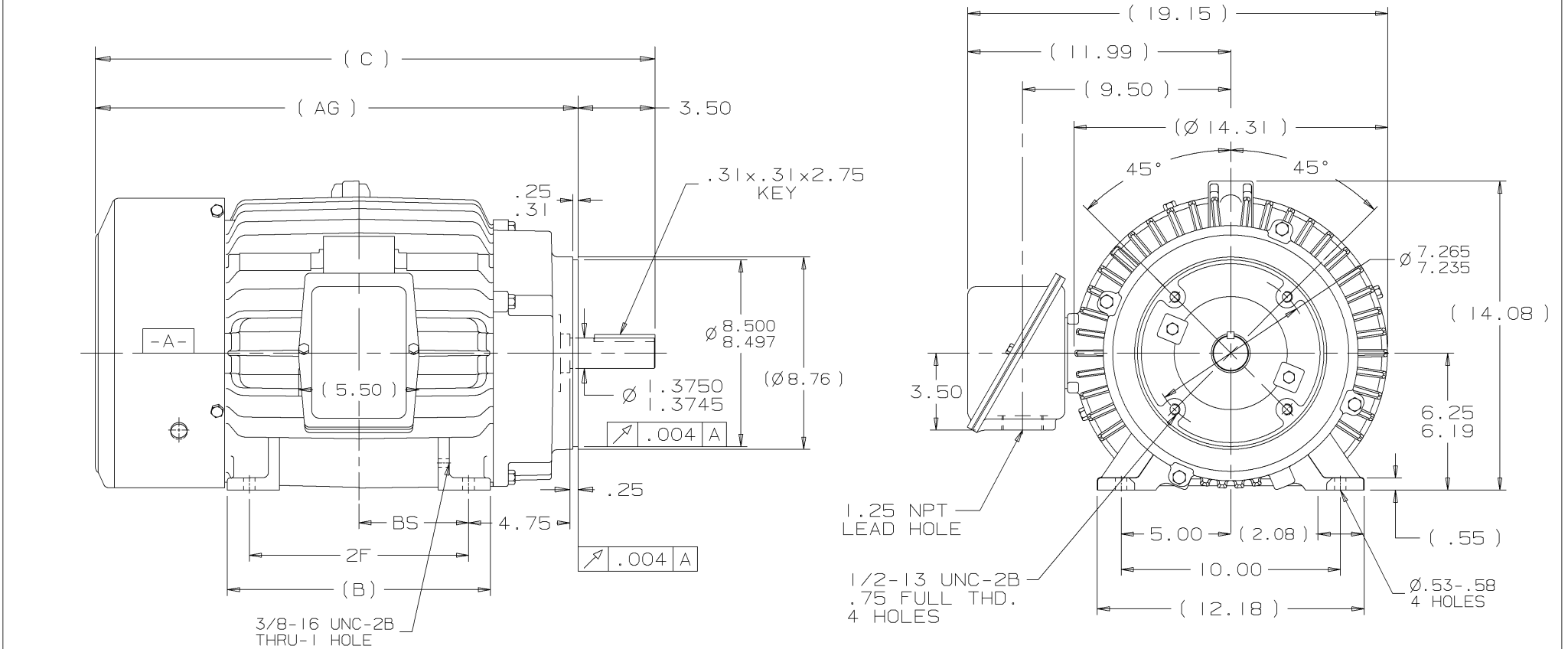
### Nameplate Specifications

Phase	3	Output HP	15 Hp
Output KW	11.2 kW	Voltage	460 V
Speed	3550 rpm	Service Factor	1
Frame	256UC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91.7 %
Ambient Temperature	65 °C	Frequency	60 Hz
Current	17.5 A	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	309	Opp Drive End Bearing Size	210
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	2	Rotation	Reversible
Resistance Main	.603 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	1.375 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS203578LN-1225	Connection Drawing	A-EE7300-LN

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NOTES:

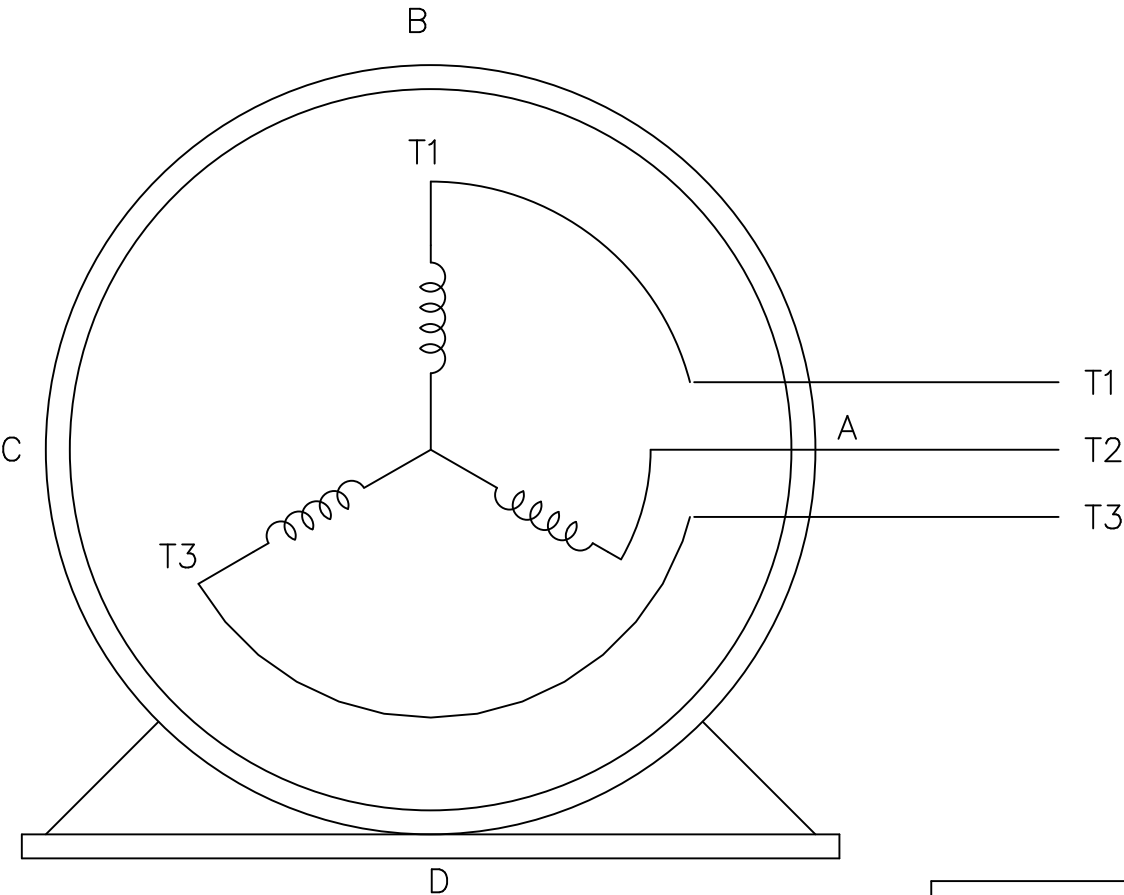
1. BOX CAN BE ROTATED ON ITS AXIS.
2. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	B	C	AG	2F	BS							200/√	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX± .03    XXX± .005    XXXXX± .0005    ANGLES± 7°30"				
1050	254UC	10.25	23.77	20.27	8.25	4.12	2	08-25-2000	CORRECTED SHAFT EXT. LOCATION CN 29200-B11	TJB			MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED		DRAWN BY	BJW	07-27-2000	
1225	256UC	12.00	25.52	22.02	10.00	5.00							FINISH		CHKD BY	ML	07-31-2000	
							1	07-31-2000	NEW DRAWING MU31317	BJW			MATERIAL		APPD BY	TB	07-31-2000	
							REV	DATE	CHANGE	NAME	PART NAME    OUTLINE - TEFC - TFNA 250UC FRAME - BB - TS					DRWG NO B- SS203578LN		
											L PURCHASED		CADD FILE NO.		SS203578LN			

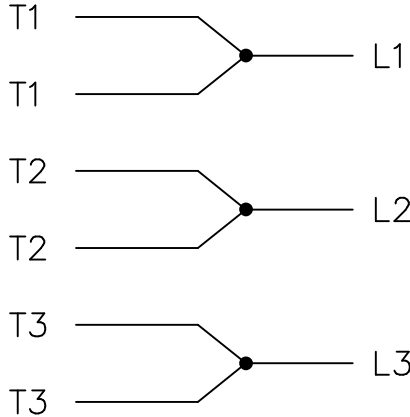
THREE PHASE – SINGLE VOLTAGE  
MOTOR – CONDUIT BOX @ 'A'

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				REF	
1	NEW DRAWING	CTO 08-13-1999		.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 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	DRAWING NO.	PAGE OF	REV.
			DIST WP					A	EE7300-LN		2

## EC Declaration of Conformity

The undersigned representing  
the manufacturer:

Regal Beloit America  
100 East Randolph St.  
Wausau, WI 54401

and the authorized representative  
established within the Community:

Marathon Electric UK  
6F Thistleton Road Ind. Estate  
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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 : LM21845

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

Catalog No : LM21845

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**