

# PRODUCT INFORMATION PACKET



Model No: LM16302

Catalog No: LM16302

Obsolete in the US,

replaced by LM16828 - 15HP..1800RPM.254TC.TEFC.230/460V.3PH.60HZ.CONT.NOT.40C.1.25SF.C-FACE..

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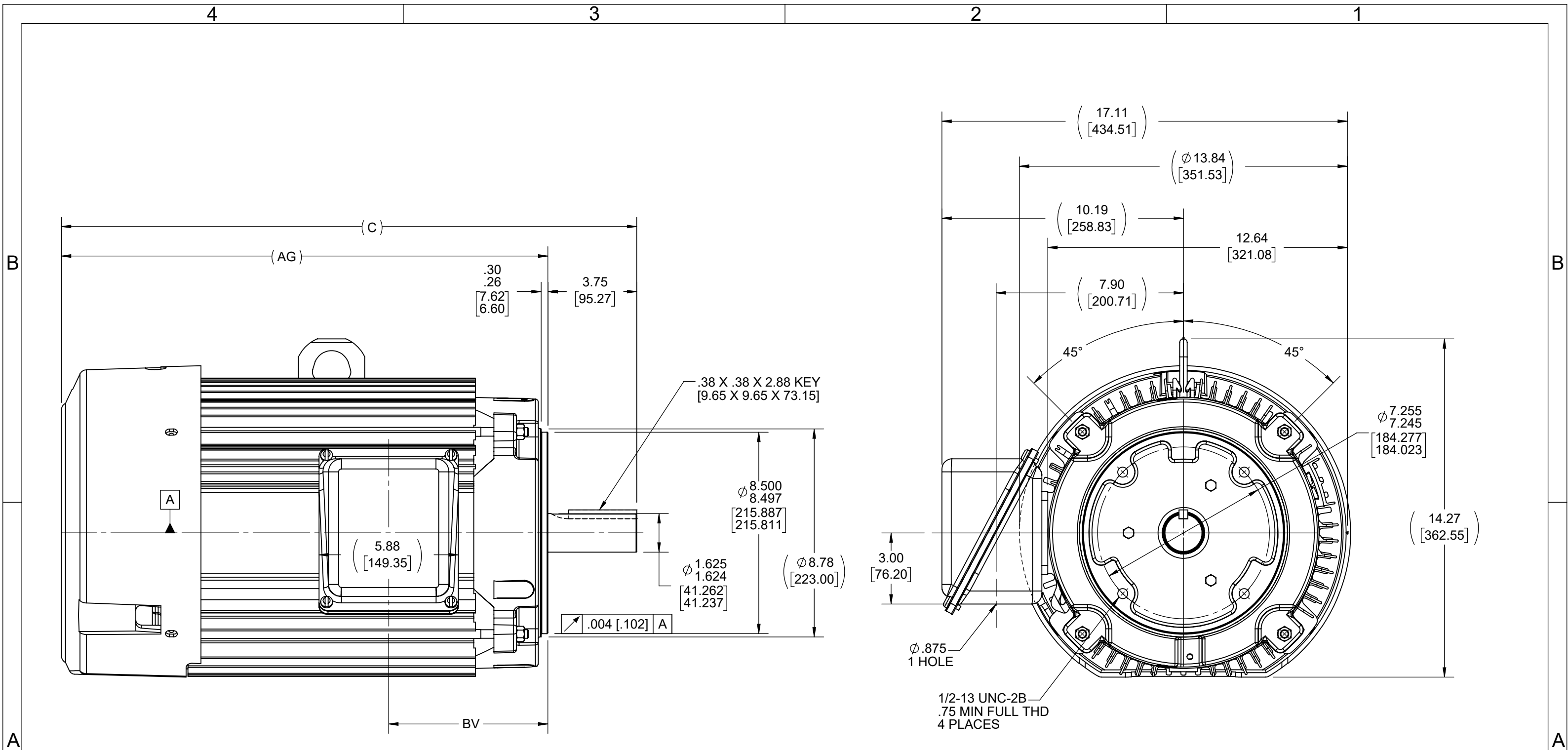
### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>15 &amp; 15 Hp</b>
Output KW	<b>11.2 &amp; 11.2 kW</b>	Voltage	<b>230/460 &amp; 380-415 V</b>
Speed	<b>1770 &amp; 1460 rpm</b>	Service Factor	<b>1.25 &amp; 1.0</b>
Frame	<b>254TC</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>91 &amp; 89.5 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>39/19.5 &amp; 23-22 A</b>	Power Factor	<b>79</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>G</b>
Drive End Bearing Size	<b>309</b>	Opp Drive End Bearing Size	<b>208</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>43</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.69 Ohms</b>	Mounting	<b>Round</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Aluminum</b>
Shaft Type	<b>T</b>	Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>
Outline Drawing	<b>B-SS321108LN-1200</b>	Connection Drawing	<b>A-EE7308-LN</b>

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- NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS
  2. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	C	BV	AG
1200	254TC	24.28 [616.71]	6.72 [170.69]	20.53 [521.46]
1375	254/6TC	26.03 [661.16]	6.72 [170.69]	22.28 [565.91]

DRAWING REVISION C	REVISION BY JVD	DATE 05/27/2021
ECO CR-0002792	APPROVED BY AS	DATE 05/27/2021
ECO DESCRIPTION REPLACED FAN GUARD 3C223-E3 TO 205016B		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7° 30"
.XX	±0.02	[±0.51]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381]  
 CORNER FILLETS: .02 [0.51]  
 MACHINED SURFACES: 200 INCH 5.1 mm  
 mm SHOWN IN [BRACKETS]

DRAWN BY RJW
DATE 01-28-2005
APPROVED BY TB
DATE 01-28-2005
REFERENCE
THIRD ANGLE PROJECTION

**REGAL**™ Regal Beloit America, Inc.

DESCRIPTION  
**OUTLINE**  
250TC FR - ALUM FR - TEFC

MATERIAL  
PROCESS/FINISH

SIZE **B** DRAWING NUMBER **SS321108LN** SHEET 1 OF 1

THREE PHASE  
DUAL VOLTAGE MOTOR

HIGH VOLTAGE



LOW VOLTAGE



VIEW OF TERMINAL END

REF.  
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G  
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD  
CONNECTION

L1 WHITE  
L2 RED  
L3 BLACK

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN	DATE			
				DEC.	INCHES						
				.X	±.1		BLR	06/11/1999			
							ML	06/18/1999			
							GK	06/18/1999			
3	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XX	±.02	TITLE CONNECTION DIAGRAM		SCALE 1=1			
2	RE-ISSUE, ADDED '-' TO PART NUMBER	BLR 08/09/1999	GK	.XXX	±.005	3∅ - DUAL VOLTAGE MOTOR		REF			
1	NEW DRAWING	BLR 06/18/1999	GK	.XXXX	±.0005	MAT'L.		FMF			
				ANG	±7'30"			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 EE7308LN			SIZE A	DRAWING NO. EE7308-LN	PAGE OF 3	REV. 3
				DIST WP							

