

# PRODUCT INFORMATION PACKET



Model No: LM16248

Catalog No: LM16248

OBSOLETE - REPLACED BY LM16766 - 20,3600,TEFC,256TC,3/60/230/460

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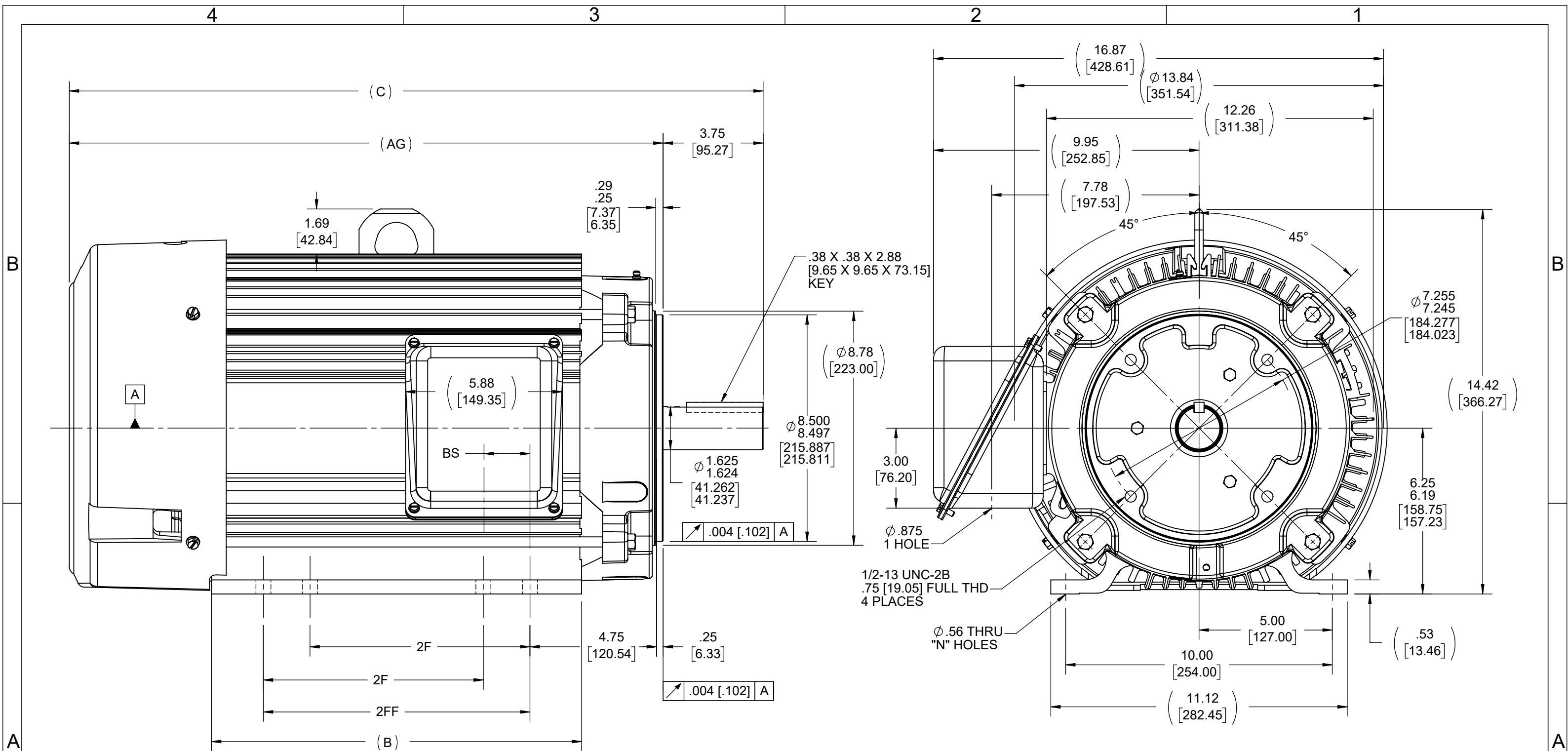
**Nameplate Specifications**

Phase	<b>3</b>	Output HP	<b>20 &amp; 20 Hp</b>
Output KW	<b>14.9 &amp; 14.9 kW</b>	Voltage	<b>230/460 &amp; 208/415 V</b>
Speed	<b>3530 &amp; 2915 rpm</b>	Service Factor	<b>1.25 &amp; 1.0</b>
Frame	<b>256TC</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>90.2 &amp; 90.2 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>47/23.5 &amp; 52/26 A</b>	Power Factor	<b>87.5</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>2</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.398 Ohms</b>	Mounting	<b>Rigid Base</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-SS321103LN-1375</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	B	BS	2F	2FF	AG	N
1200	254TC	24.28 [616.71]	12.13 [308.10]	1.73 [43.94]	8.25 [209.55]	-----	20.53 [521.46]	4
1375	254/6TC	26.03 [661.16]	13.88 [352.55]	1.73 [43.94]	8.25 [209.55]	10.00 [254.00]	22.28 [565.91]	8

DRAWING REVISION B	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 ±0.1 [±2.5] ANGLE ±7° 30"  
 .X ±0.03 [±0.76]  
 .XX ±0.005 [±0.127]  
 .XXX ±0.0005 [±0.0127]  
 .XXXX ±0.0005 [±0.0127]  
 REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45°  
 CORNER FILLETS: R.02 [51]  
 MACHINED SURFACES: 200 INCH 5.1 mm  
 mm SHOWN IN [BRACKETS]

DRAWN BY  
CTO  
 DATE  
05-11-2004  
 APPROVED BY  
TB  
 DATE  
05-11-2004  
 REFERENCE  
 THIRD ANGLE PROJECTION

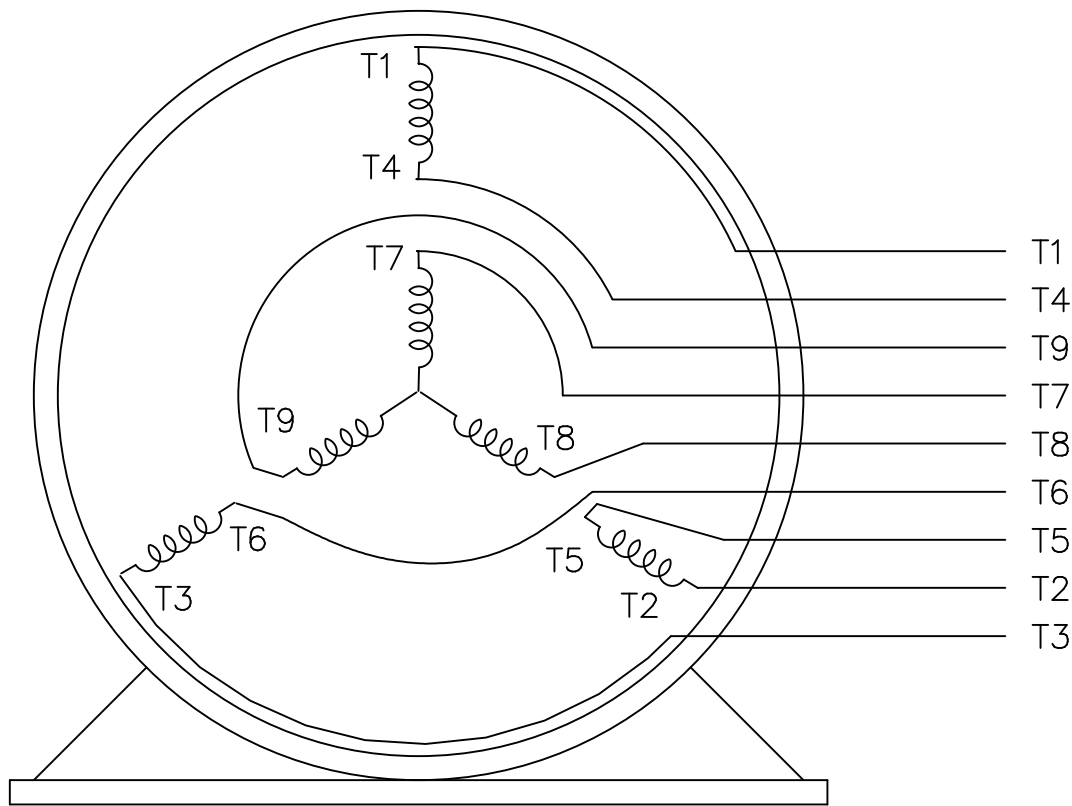
**REGAL**™ Regal Beloit America, Inc.  
 DESCRIPTION  
**OUTLINE**  
 250TC FR - ALUM FR - TEFC  
 MATERIAL PROCESS/FINISH  
 SIZE B DRAWING NUMBER **SS321103LN** SHEET 1 OF 1

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

