

# PRODUCT INFORMATION PACKET



Model No: LM16020

Catalog No: LM16020

OBSOLETE - REPLACED BY LM16032 - 10,1800,TEFC,215T 230460/360 AAF4P10T61

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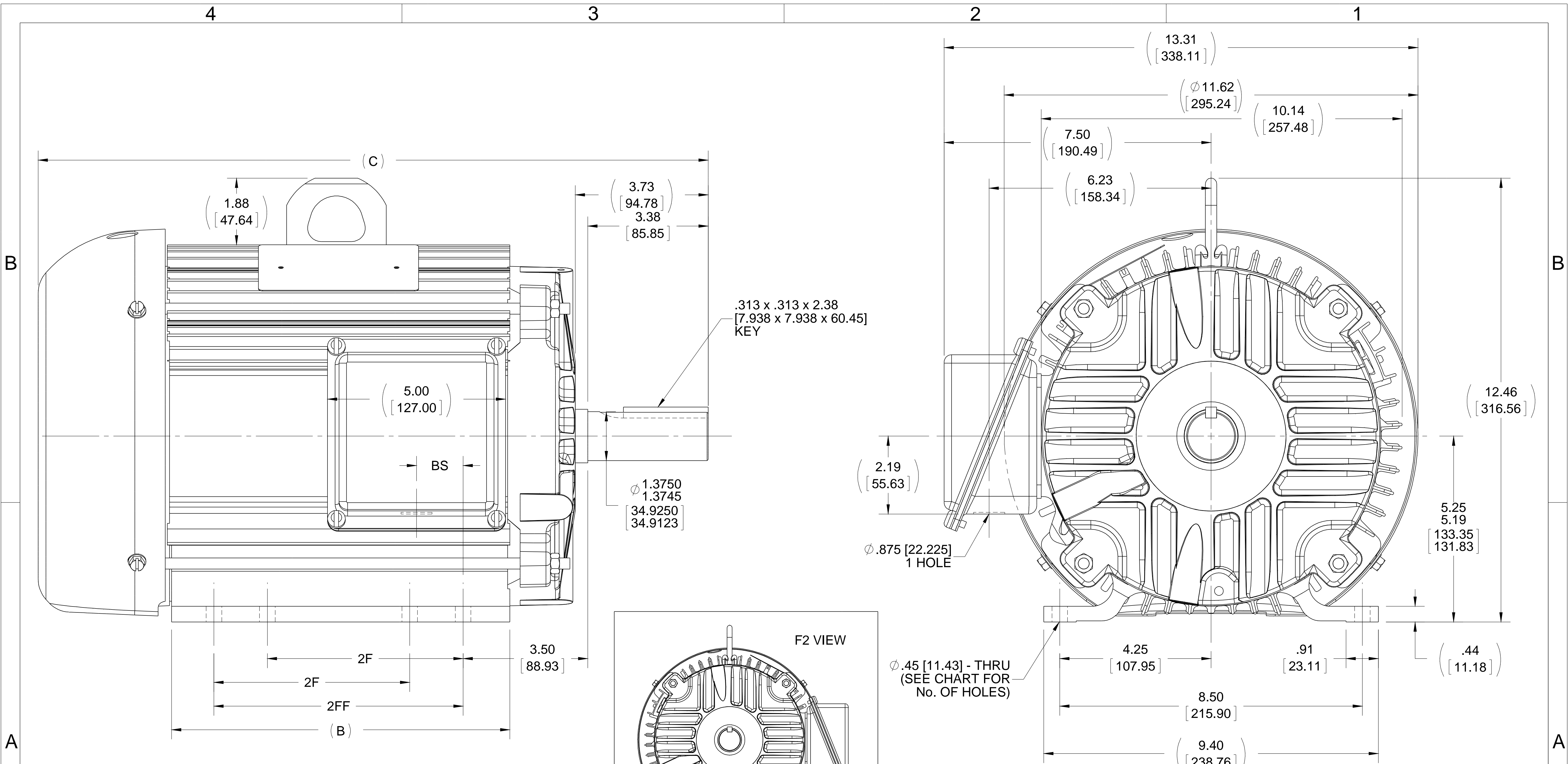
### Nameplate Specifications

Phase	3	Output HP	10 & 10 Hp
Output KW	7.5 & 7.5 kW	Voltage	230/460 & 208/415 V
Speed	1745 & 1440 rpm	Service Factor	1.25 & 1.0
Frame	215T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	89.5 & 86.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	27/13.5 & 31/15.5 A	Power Factor	78
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	208	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 Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	1.16 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	T	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	VARIABLE 10:1		
Outline Drawing	B-SS330100LN-950	Connection Drawing	A-EE7308-LN

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

DASH	FRAME	B	C	2F	2FF	BS	F1/F2	No. OF MTG HOLES
800	213T	8.12 [206.25]	17.34 [440.44]	5.50 [139.70]	---	1.33 [33.76]	NO	4
950	213/5T	9.62 [244.35]	18.84 [478.54]	5.50 [139.70]	7.00 [177.80]	1.33 [33.76]	YES	8
1050	215T	10.62 [269.75]	19.84 [503.94]	7.00 [177.80]	8.00 [203.20]	1.33 [33.76]	YES	8

DRAWING REVISION E  
 ECO ECO-0073312  
 ECO DESCRIPTION  
 UPDATED TO CURRENT STANDARDS  
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TOLERANCES UNLESS OTHERWISE SPECIFIED:  
 DEC. INCH mm ANGLE  
 .X ±0.1 [±2.5] ±7° 30"  
 .XX ±0.03 [±0.76]  
 .XXX ±0.005 [±0.127]  
 .XXXX ±0.0005 [±0.0127]  
 REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45°  
 CORNER FILLETS: R.02 [0.51]  
 MACHINED SURFACES: 200 INCH mm 5.1  
 mm SHOWN IN [BRACKETS]

DRAWN BY MJK  
 DATE 04-20-2004  
 APPROVED BY JPL  
 DATE 04-20-2004  
 REFERENCE  
 THIRD ANGLE PROJECTION

**REGAL**™ Regal Beloit America, Inc.

DESCRIPTION  
**OUTLINE**  
 210T FR - ALUM FR - TEFC

MATERIAL PROCESS/FINISH

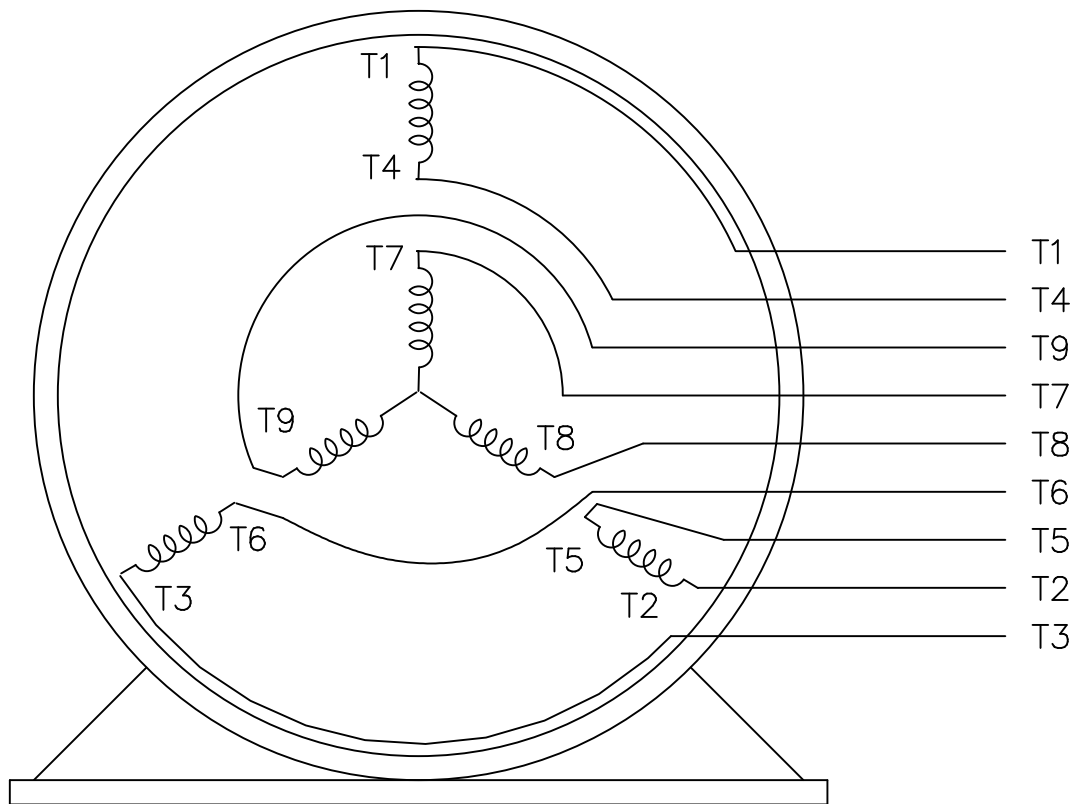
SIZE B DRAWING NUMBER **SS330100LN** SHEET 1 OF 1

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



DRAWN BLR 06/11/1999

CHK ML 06/18/1999

APPD GK 06/18/1999

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