

# PRODUCT INFORMATION PACKET



Model No: AAF2B7.5T61  
Catalog No: LM28968  
7.5,3600,TEFC,213T,3/60/230/460  
Totally Enclosed Fan Cooled (TEFC)



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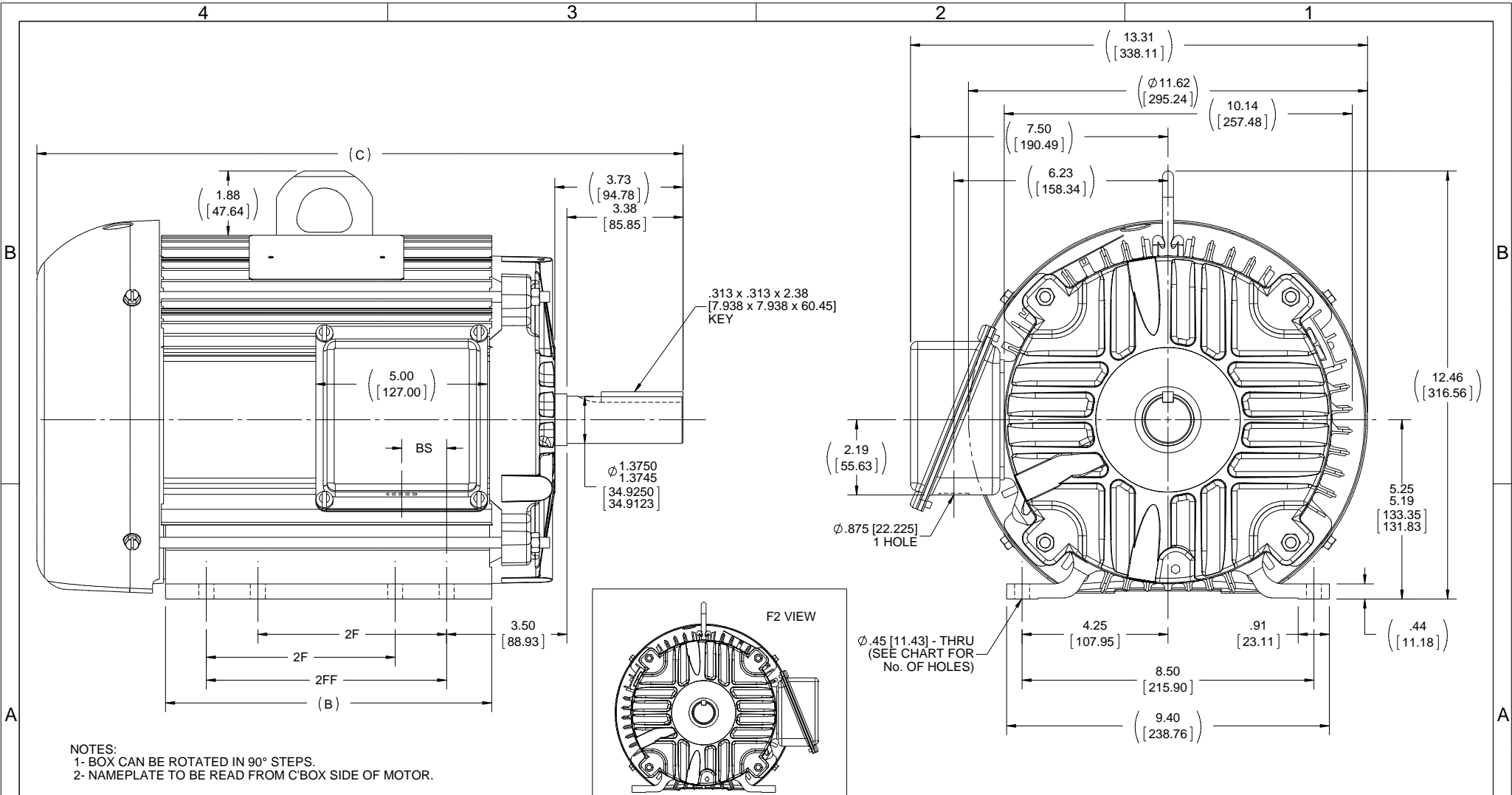
### Nameplate Specifications

Output HP	<b>7.50 Hp</b>	Output KW	<b>5.6 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>17.8/8.9 A</b>	Speed	<b>3540 rpm</b>
Service Factor	<b>1.25</b>	Phase	<b>3</b>
Efficiency	<b>90.2 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>H</b>	Frame	<b>213T</b>
Enclosure	<b>Totally Enclosed Fan Cooled</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6208</b>
Opp Drive End Bearing Size	<b>6206</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>43</b>		

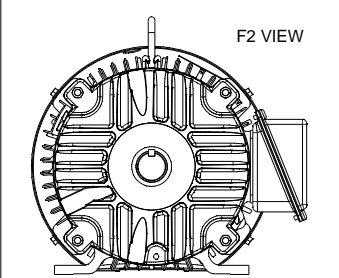
### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
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>
Overall Length	<b>18.84 in</b>	Frame Length	<b>9.50 in</b>
Shaft Diameter	<b>1.375 in</b>	Shaft Extension	<b>3.38 in</b>
Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>		
Outline Drawing	<b>B-SS330100LN-950</b>	Connection Diagram	<b>A-EE7308-LN</b>

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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 [.076/.381] X 45°  
 CORNER FILLETS: R.02 [.51]  
 MACHINED SURFACES: 200 INCH 5.1 mm SHOWN IN [BRACKETS]

DRAWN BY MJK  
 DATE 04-20-2004  
 APPROVED BY JPL  
 DATE 04-20-2004  
 REFERENCE

**REGAL**™ Regal Beloit America, Inc.

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

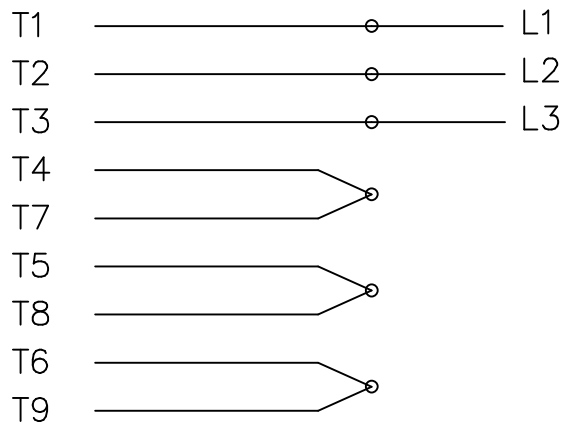
MATERIAL PROCESS/FINISH

THIRD ANGLE PROJECTION

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

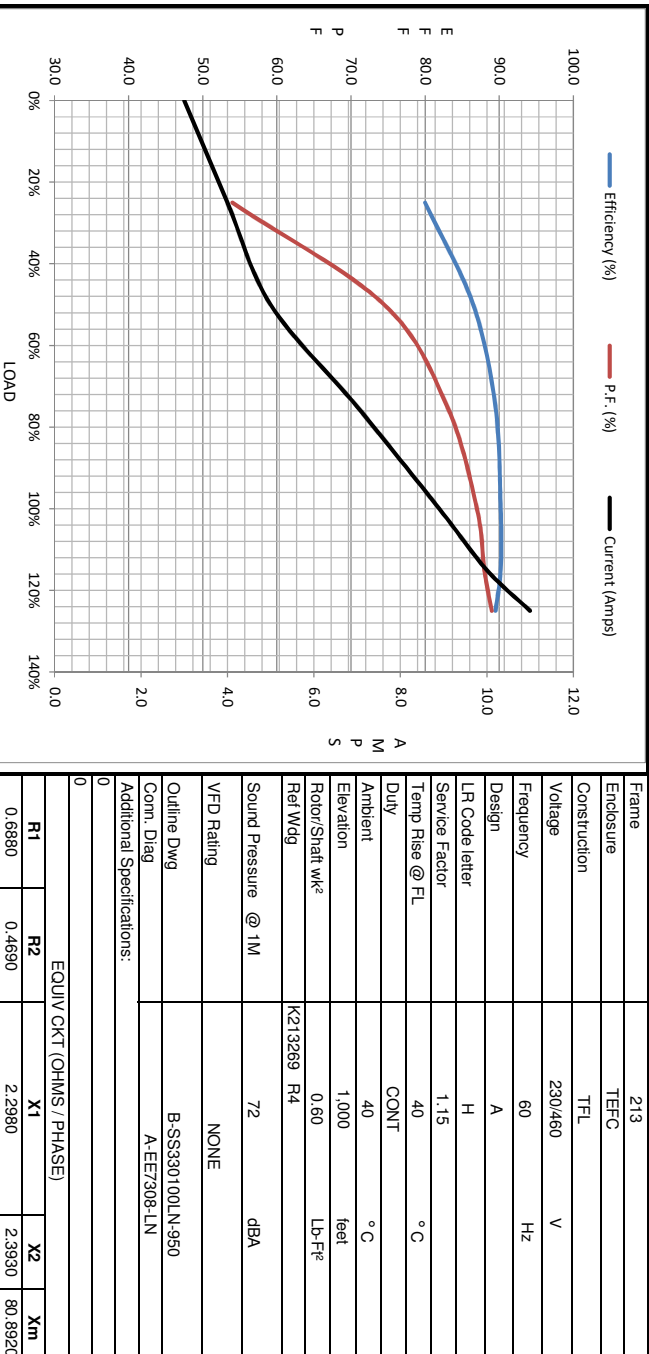
NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN	DATE			
				DEC.	INCHES						
				.X	±.1		BLR	06/11/1999			
							ML	06/18/1999			
							GK	06/18/1999			
3	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XX	±.02	TITLE CONNECTION DIAGRAM		SCALE 1=1			
2	RE-ISSUE, 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							





Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.0	4.0	5.0	7.0	8.9	10.0	11.0	63.5	
Torque (ft-lb)	0.00	2.50	5.5	11.1	14.0	12.5	14.0	24.0	
RPM	3600	3585	3575	3560	3540	3535	3530	0	
Efficiency (%)		80.0	86.5	89.5	90.2	90.2	89.5		
P.F. (%)	9.0	54.0	74.5	83.0	87.0	88.0	89.0	40.0	

Motor Speed Data						Information Block																						
LR	Pull-Up	BD	Rated	Idle		HP	Sync. RPM	Frame	Enclosure	Construction	Voltage	Frequency	Design	LR Code letter	Service Factor	Temp Rise @ FL	Duty	Ambient	Elevation	Rotor/Shaft wk <sup>2</sup>	Ref Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:		
0	1800	3250	3540	3600		7.5	3600	213	TEFC	TFL	230/460	60	A	H	1.15	40	CONT	40	1,000	0.60	K213269 R4	72	dB(A)	NONE	B-SS330100LN-950	A-EE7308-LN		
Current (Amps)	63.5	57.0	40.0	8.9	3.0																							
Torque (ft-lb)	24.0	22.0	38.0	11.1	0.00																							



EQUIV CKT (OHMS / PHASE)			
R1	R2	X1	Xm
0.6880	0.4690	2.2980	2.3980
			80.8920

