

PRODUCT INFORMATION PACKET



Model No: AAF4B10TC61
Catalog No: LM16757
10,1800,TEFC,215TC,3/60/230/460
Totally Enclosed Fan Cooled (TEFC)



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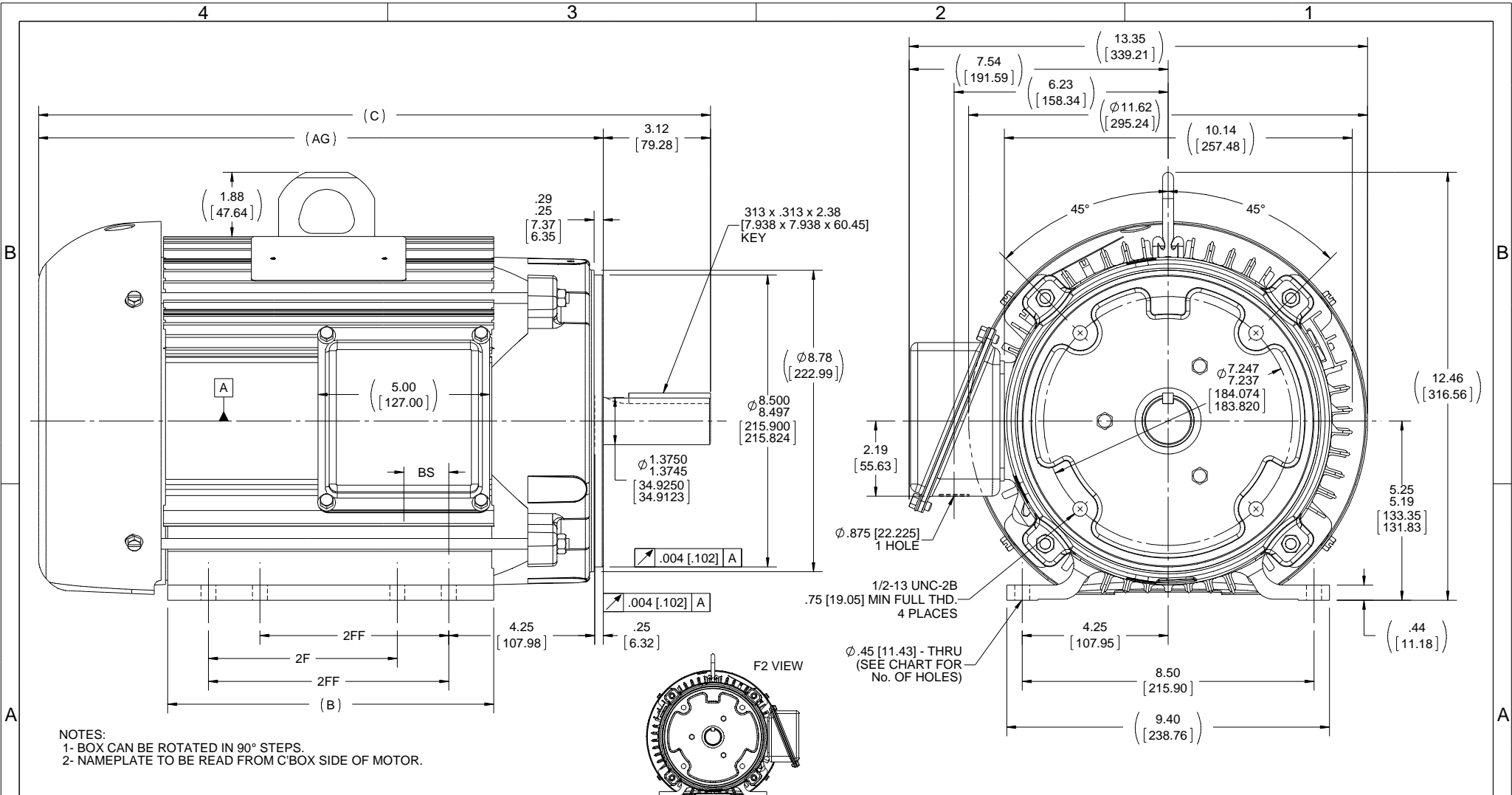


Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	25.0/12.5 A	Speed	1765 rpm
Service Factor	1.25	Phase	3
Efficiency	91.7 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	215TC
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6208
Opp Drive End Bearing Size	6206	UL	Recognized
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Aluminum	Shaft Type	T
Overall Length	19.57 in	Frame Length	9.50 in
Shaft Diameter	1.375 in	Shaft Extension	3.38 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS330102LN-950	Connection Diagram	A-EE7308-LN



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

DASH	FRAME	B	C	AG	2F	2FF	BS	No. OF MTG HOLES
800	213TC	8.12 [206.25]	18.07 [458.98]	14.95 [379.73]	5.50 [139.70]	---	1.33 [33.76]	4
950	213/5TC	9.62 [244.35]	19.57 [497.08]	16.45 [417.83]	5.50 [139.70]	7.00 [177.80]	1.33 [33.76]	8
1050	215TC	10.62 [269.75]	20.57 [522.48]	17.45 [443.23]	7.00 [177.80]	8.00 [203.20]	1.33 [33.76]	8

DRAWING REVISION F
 REVISION BY JHA
 DATE 04-14-2015
 APPROVED BY DJK
 DATE 04-14-2015
 ECO-0073312
 ECO DESCRIPTION
 UPDATED TO CURRENT STADNARDS
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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 08-30-2004
 APPROVED BY JPL
 DATE 09-02-2004
 REFERENCE

REGAL™ Regal Beloit America, Inc.

DESCRIPTION
OUTLINE
 210TC FR - ALUM FR - TEFC

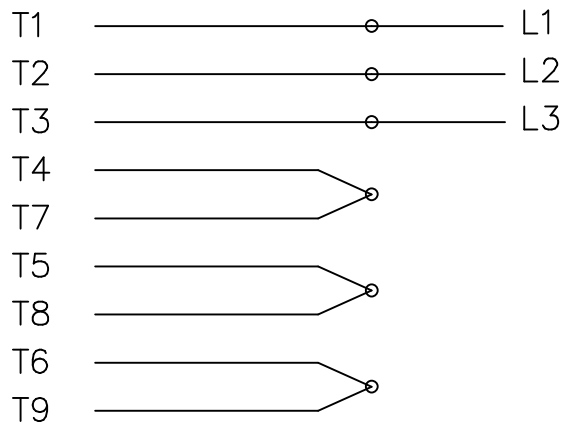
MATERIAL PROCESS/FINISH

THIRD ANGLE PROJECTION

SIZE **B** DRAWING NUMBER **SS330102LN** 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

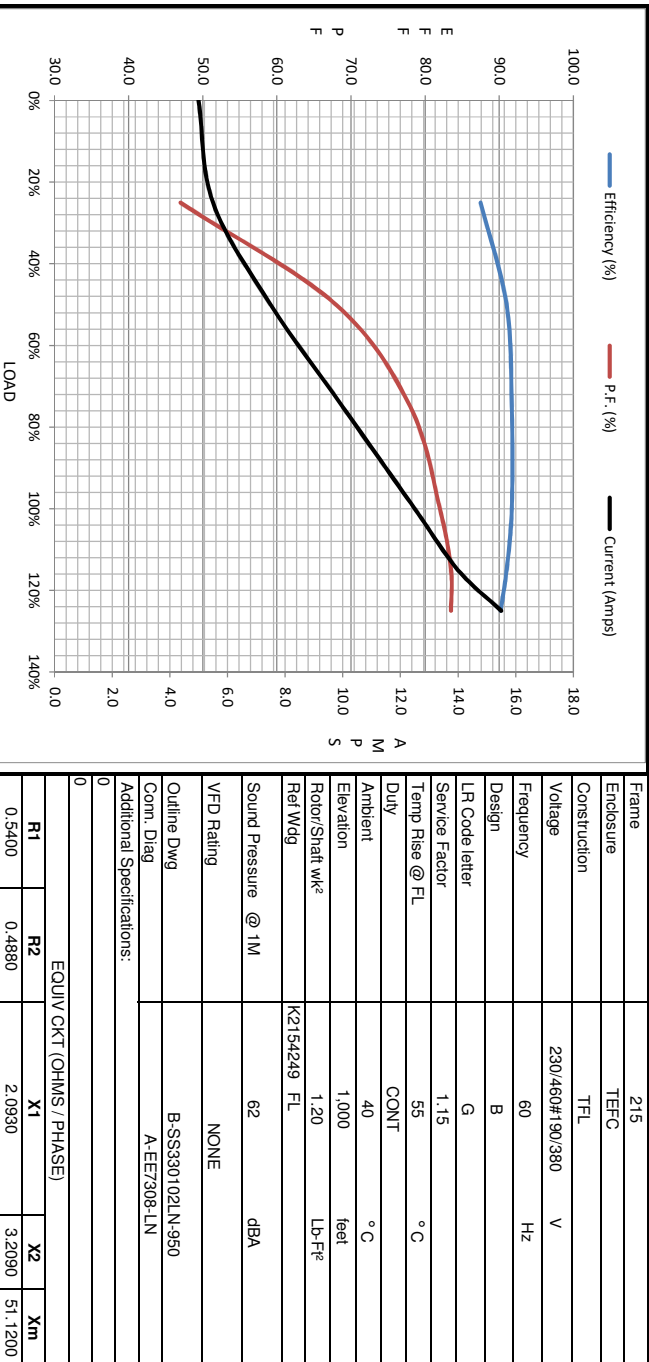
NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN	DATE			
				DEC.	INCHES						
				.X	±.1		BLR	06/11/1999			
							ML	06/18/1999			
							GK	06/18/1999			
3	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XX	±.02	TITLE CONNECTION DIAGRAM		SCALE 1=1			
2	RE-ISSUE, 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%	LR
Current (Amps)	5.0	5.5	7.5	10.0	12.5	80.0
Torque (ft-lb)	0.00	7.5	14.5	22.0	29.8	60.0
RPM	1800	1790	1785	1775	1765	0
Efficiency (%)		87.5	91.0	91.7	91.7	
P.F. (%)	6.5	47.0	88.0	78.0	82.0	42.0

Motor Speed Data						Information Block																					
Speed (RPM)	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 ²	Ref Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:	
0		900	1675	1765	1800	10.0	1800	215	TEFC	TFL	230/460#190/380	60	B	G	1.15	55	CONT	40 °C	1,000	1.20	LB-Fk	62	NONE	B-SS330102LN-950	A-EE7308-LN		
Current (Amps)	80.0	72.0	46.0	12.5	5.0																						
Torque (ft-lb)	60.0	54.0	81.0	29.8	0.00																						



EQUIV CKT (OHMS / PHASE)	R1	R2	X1	X2	Xm
	0.5400	0.4880	2.0930	3.2090	51.1200

