

PRODUCT INFORMATION PACKET



Model No: AF2B10TC61
Catalog No: LM16755
215T TEFC 10HP3600 230460000/360
Totally Enclosed Fan Cooled (TEFC)



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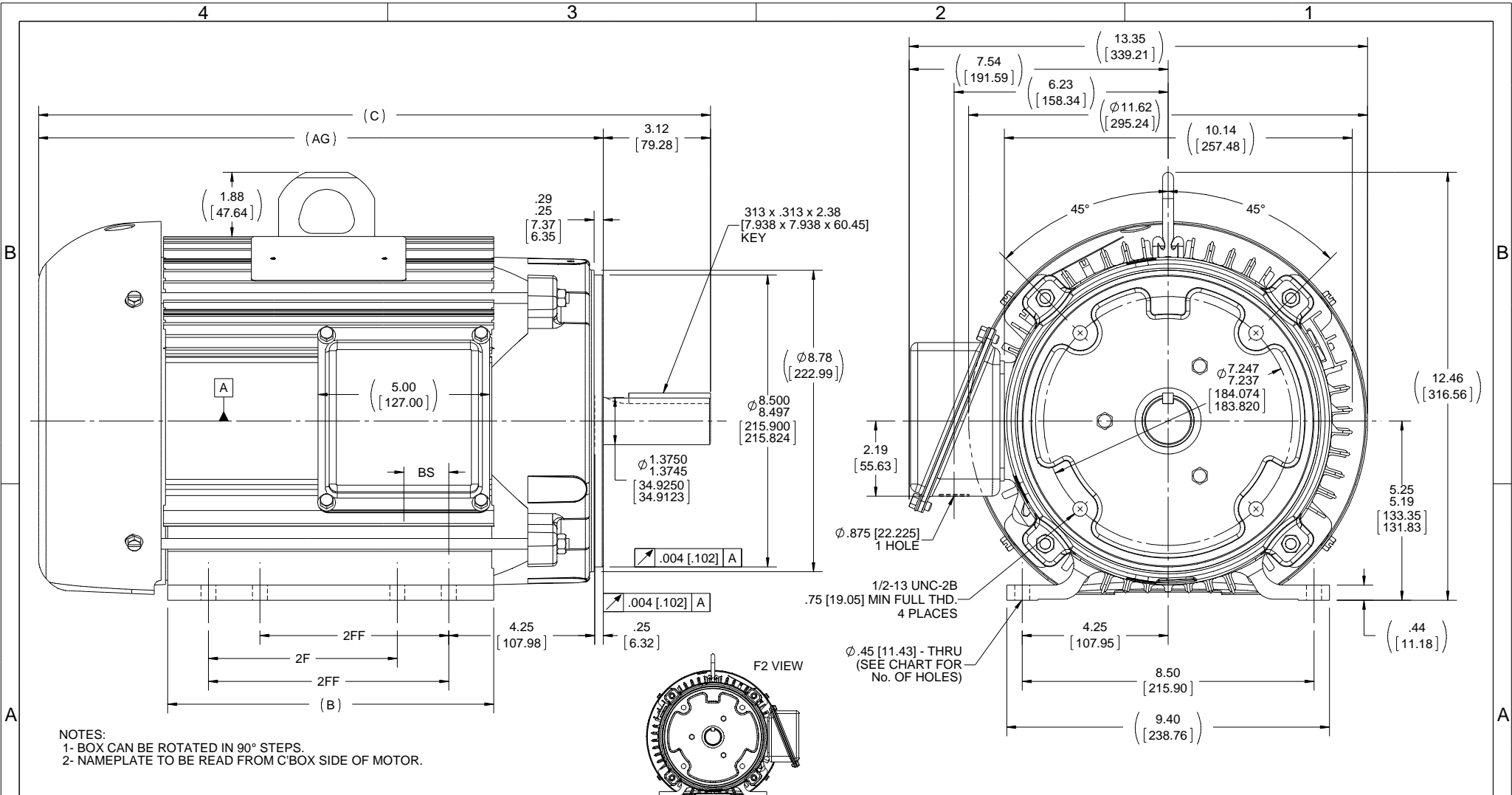


Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	23.6/11.8 A	Speed	3535 rpm
Service Factor	1.25	Phase	3
Efficiency	91.7 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	H	Frame	215TC
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	208
Opp Drive End Bearing Size	206	UL	Recognized
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	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	20.57 in	Frame Length	10.50 in
Shaft Diameter	1.375 in	Shaft Extension	3.12 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS330102LN-1050	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
ECO-0073312	APPROVED BY DJK	DATE 04-14-2015
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

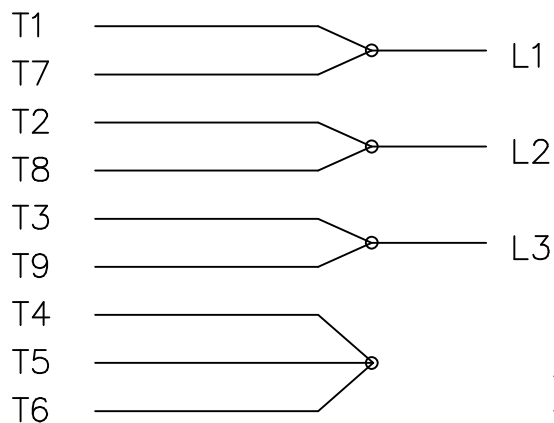
SHEET
1 OF 1

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							



Data Sheet

Date: 1/23/2018

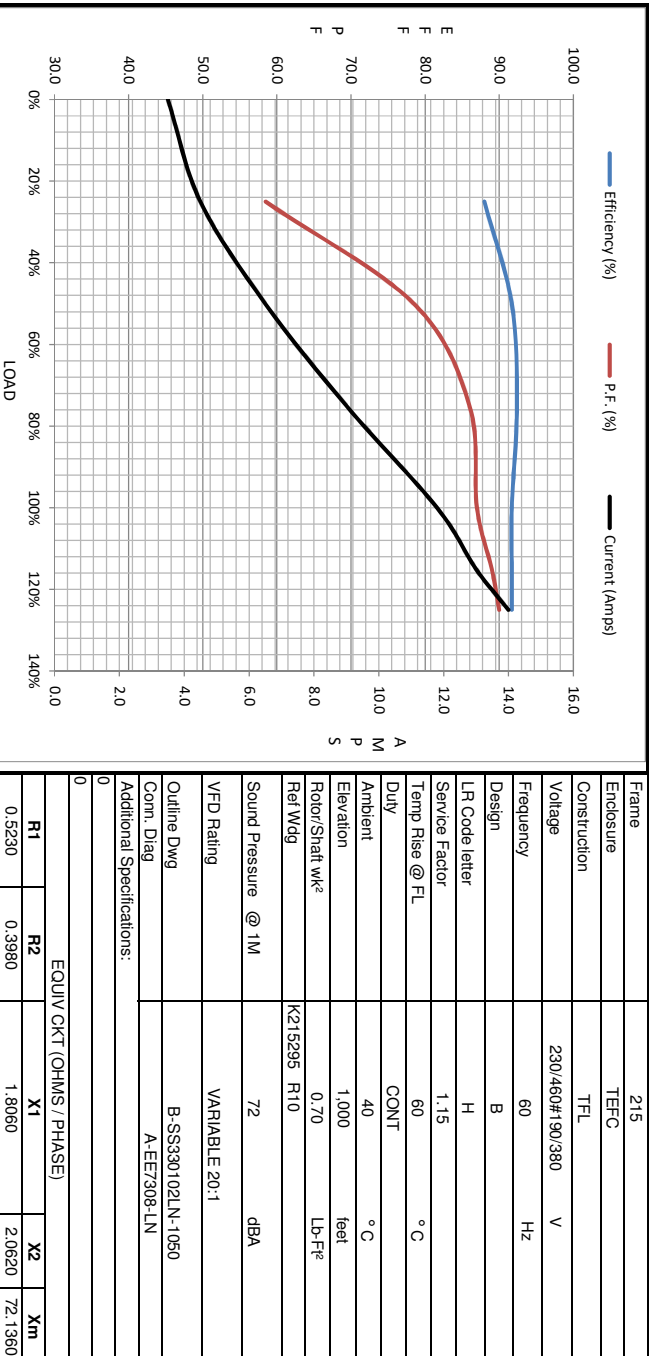
LM16755



Data @ 460 V

Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.5	4.5	6.5	9.0	11.8	13.0	14.0	80.0	
Torque (ft-lb)	0.00	3.5	7.5	11.0	14.9	17.0	18.5	30.0	
RPM	3600	3585	3570	3555	3535	3530	3525	0	
Efficiency (%)		88.0	91.7	92.4	91.7	91.7	91.7	40.0	
P.F. (%)		58.5	78.5	86.0	87.0	89.0	90.0		

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 wk²	Ref Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:	
Speed (RPM)	0	1800	3175	3535	3600	10.0	3600	215	TEFC	TFL	230/460#190/380	60	B	H	1.15	60	CONT	40	1,000	0.70	K215295 R10	72	dB(A)	VARIABLE 20:1	B-SS330102LN-1050	A-EE7308-1N	
Current (Amps)	80.0	72.0	50.0	11.8	3.5																						
Torque (ft-lb)	30.0	27.0	46.0	14.9	0.00																						



	R1	R2	X1	X2	Xm
EQUIV CKT (OHMS / PHASE)	0.5230	0.3980	1.8080	2.0620	72.1360

