PRODUCT INFORMATION PACKET

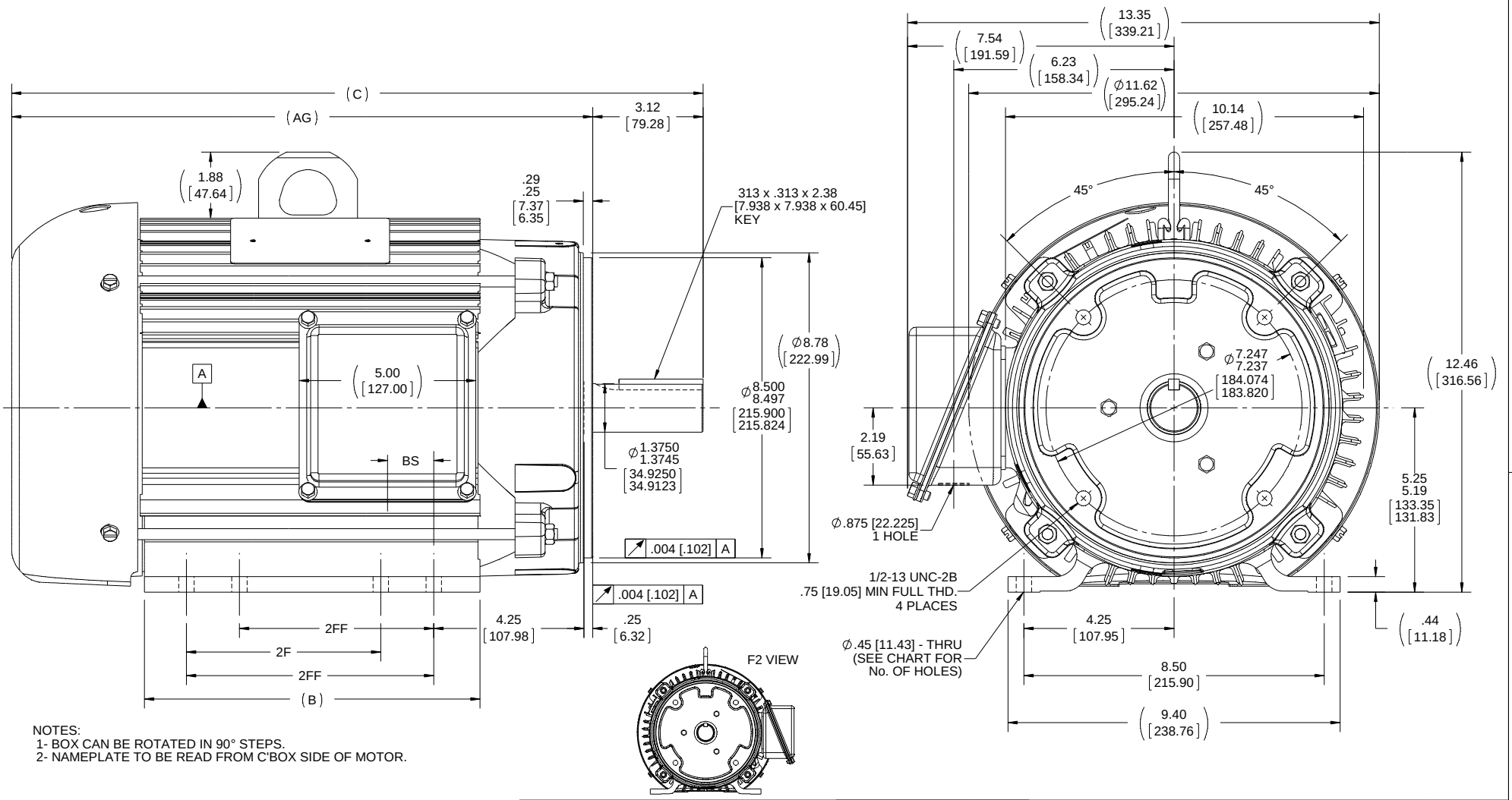
Model No: AF2B10TC61
Catalog No: LM16755
215T TEFC 10HP3600 230460000/360
Totally Enclosed Fan Cooled (TEFC)

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	REVISION BY	DATE
F	JHA	04-14-2015
ECO	APPROVED BY	DATE
ECO-0073312	DJK	04-14-2015

ECO DESCRIPTION
UPDATED TO CURRENT STADNARDS

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
mm SHOWN IN [BRACKETS]

DRAWN BY	MJK
DATE	08-30-2004
APPROVED BY	JPL
DATE	09-02-2004
REFERENCE	
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.

DESCRIPTION
OUTLINE
210TC FR - ALUM FR - TEFC

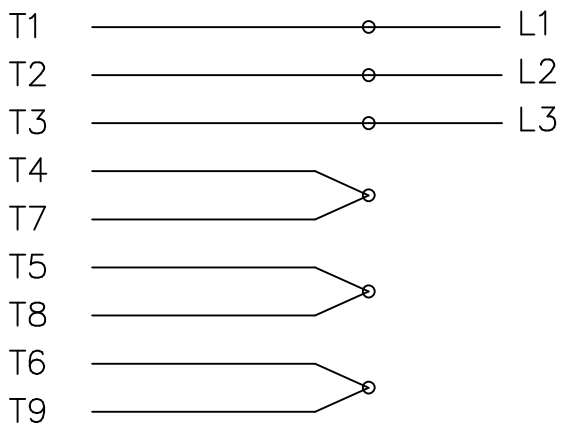
MATERIAL | PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
B	SS330102LN	1 OF 1

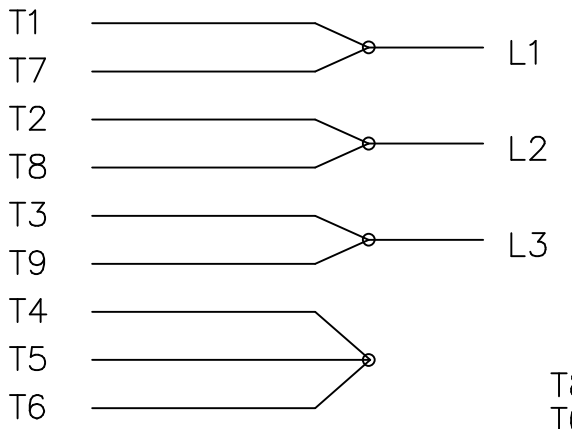
EE7308-LN

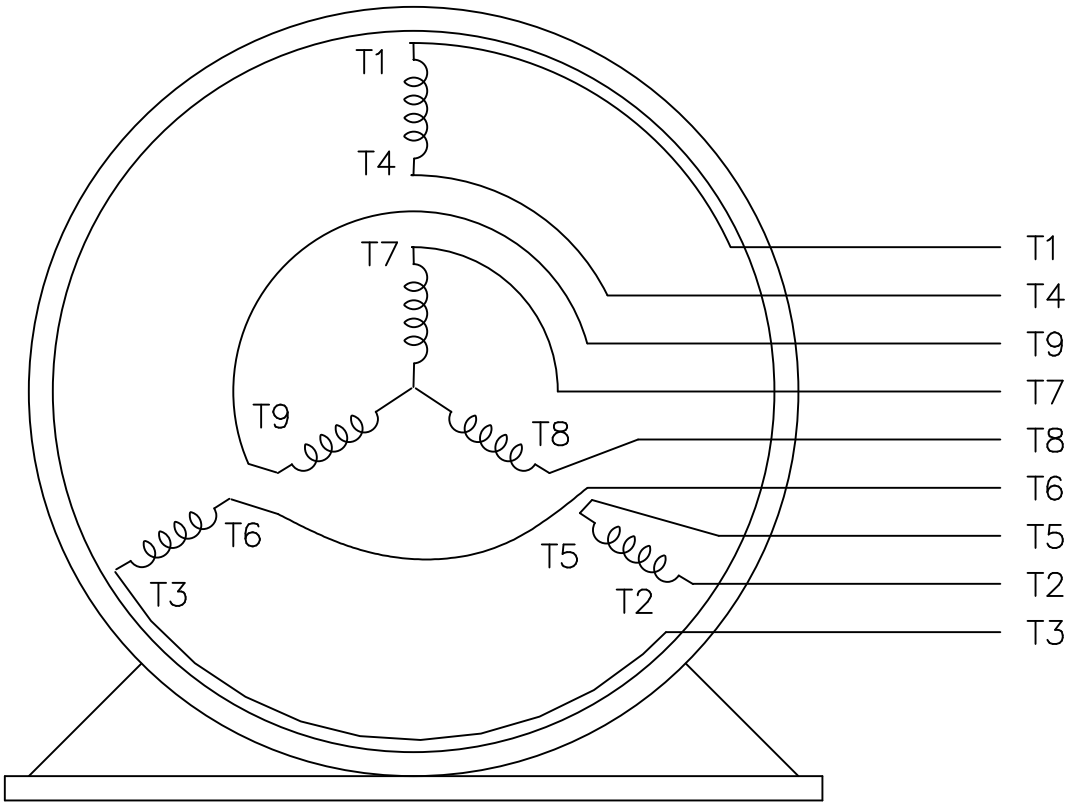
THREE PHASE
DUAL VOLTAGE MOTOR

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
3	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS
2	RE-ISSUE, ADDED '-' TO PART NUMBER	BLR 08/09/1999	GK
1	NEW DRAWING	BLR 06/18/1999	GK

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.02
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

Lincoln MOTORS

TITLE CONNECTION DIAGRAM
3ø – DUAL VOLTAGE MOTOR

MAT'L.

FINISH

CAD FILE EE7308LN

RFP

DIST WP

DRAWN	BLR 06/11/1999
CHK	ML 06/18/1999
APPD	GK 06/18/1999
SCALE	1=1
REF	
FMF	
PREV	

SIZE A | DRAWING NO. EE7308-LN | PAGE OF | REV. 3

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Data Sheet

Date: 1/23/2018

LEESON

LM16755

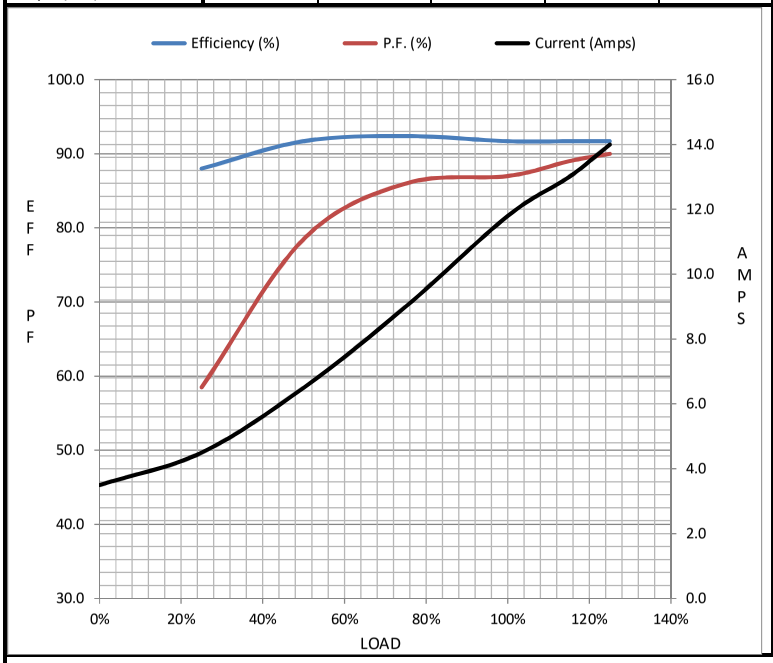
Data @ 460 V

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	3,530	3525	0	
Efficiency (%)		88.0	91.7	92.4	91.7	91.7	91.7		
P.F. (%)	8.5	58.5	78.5	86.0	87.0	89.0	90.0	40.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3175	3535	3600
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



Information Block

HP	10.0	
Sync. RPM	3600	
Frame	215	
Enclosure	TEFC	
Construction	TFL	
Voltage	230/460#190/380	V
Frequency	60	Hz
Design	B	
LR Code letter	H	
Service Factor	1.15	
Temp Rise @ FL	60	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.70	Lb-Ft²
Ref Wdg	K215295 R10	
Sound Pressure @ 1M	72	dBA
VFD Rating	VARIABLE 20:1	
Outline Dwg	B-SS330102LN-1050	
Conn. Diag	A-EE7308-LN	

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.5230	0.3980	1.8060	2.0620	72.1360

Speed -Torque Curve