PRODUCT INFORMATION PACKET

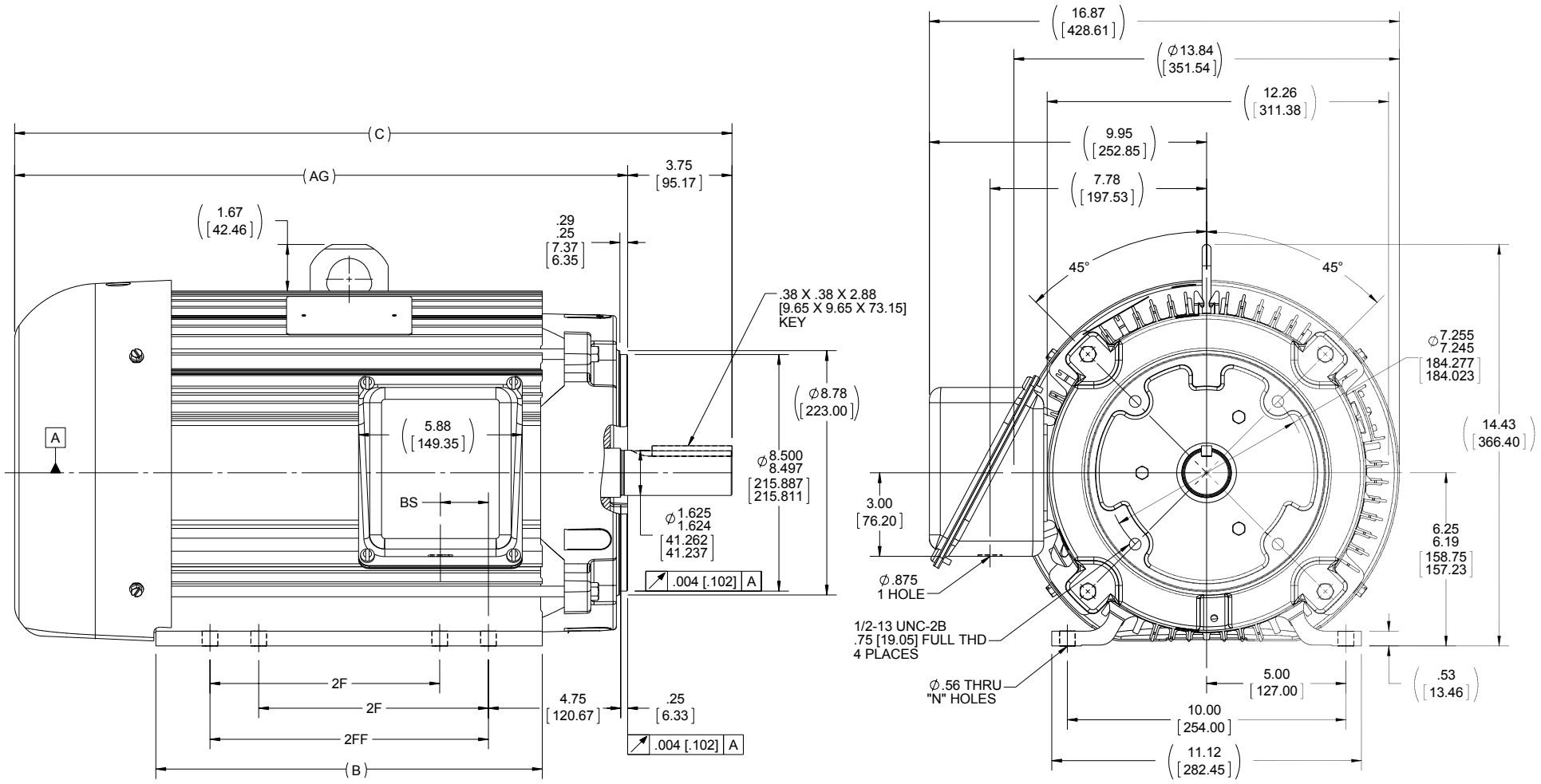
Model No: AAF4B20TC61
Catalog No: LM16767
20,1800,TEFC,256TC,3/60/230/460
Totally Enclosed Fan Cooled (TEFC)

Nameplate Specifications

Output HP	**20 Hp**	Output KW	**14.9 kW**
Frequency	**60 Hz**	Voltage	**230/460 V**
Current	**48.0/24.1 A**	Speed	**1775 rpm**
Service Factor	**1.25**	Phase	**3**
Efficiency	**93 %**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Frame	**256TC**
Enclosure	**Totally Enclosed Fan Cooled**	Overload Protector	**No**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**309**
Opp Drive End Bearing Size	**208**	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	**25.75 in**	Frame Length	**13.75 in**
Shaft Diameter	**1.625 in**	Shaft Extension	**4 in**
Assembly/Box Mounting	**F1/F2 CAPABLE**		
Outline Drawing	**B-SS321103LN-1375**	Connection Diagram	**A-EE7308K-LN**



NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS
2. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR

DASH	FRAME	C	B	BS	2F	2FF	AG	N
1200	254TC	24.00 [609.60]	12.13 [308.10]	1.73 [43.94]	8.25 [209.55]	---------	20.25 [514.35]	4
1375	254/6TC	25.75 [654.05]	13.88 [352.55]	1.73 [43.94]	8.25 [209.55]	10.00 [254.00]	22.00 [558.80]	8

DRAWING REVISION	REVISION BY	DATE
A	W. JOERGER	12-30-2015
ECO	APPROVED BY	DATE
ECO-0087892	E. HEIL	12-30-2015

ECO DESCRIPTION: RE-DRAWN ON SOLIDWORKS

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	CTO
DATE	05-11-2004
APPROVED BY	TB
DATE	05-11-2004
REFERENCE	
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.

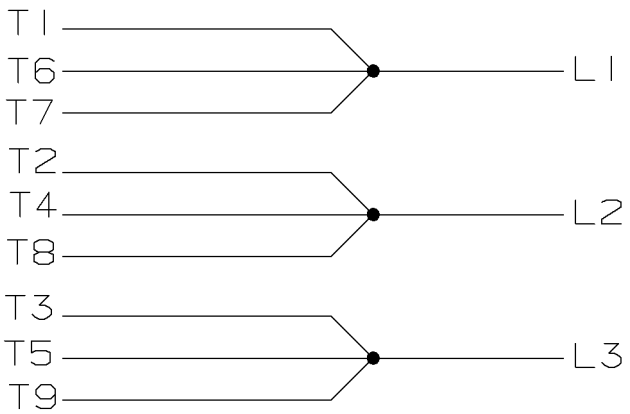
DESCRIPTION: OUTLINE
250TC FR - ALUM FR - TEFC

MATERIAL | PROCESS/FINISH

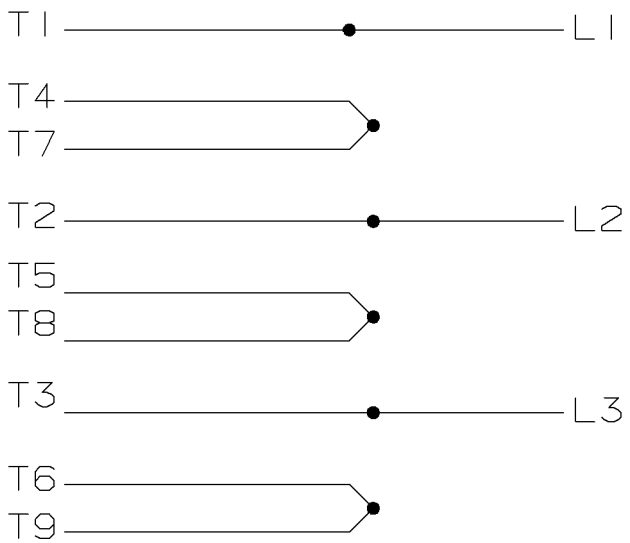
SIZE	DRAWING NUMBER	SHEET
B	SS321103LN	1 OF 1

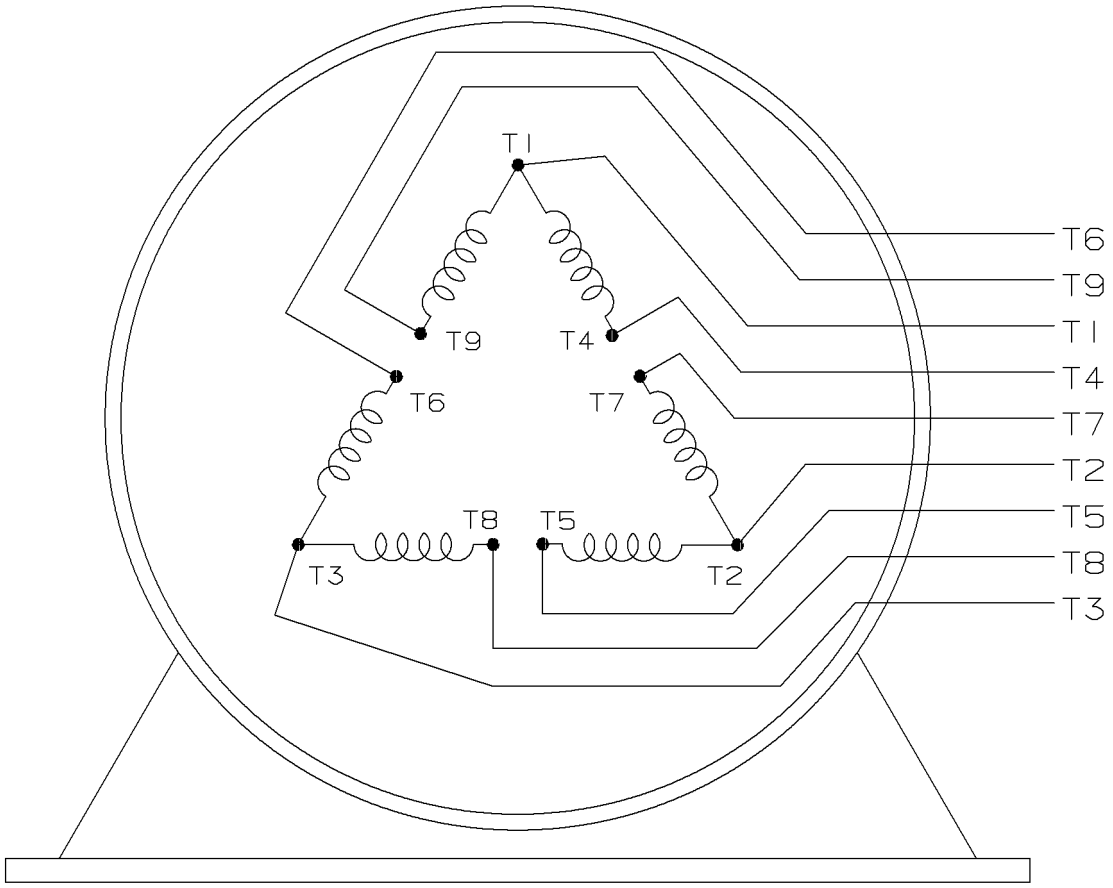
A- EE7308K-LN

LOW VOLTAGE



HIGH VOLTAGE





VIEW OF TERMINAL END

REV	DATE	CHANGE	NAME
2	08-09-1999	RE-ISSUE, ADDED '-' TO PART NUMBER	BLR
1	06-18-1999	NEW DRAWING	TRB

Lincoln MOTORS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOL. ON XX± .02 XXX± .005 XXXX± .0005 ANGLES± 7'30"

MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED

FINISH

MATERIAL

DRAWN BY	TRB	07-15-1999
CHKD BY	ML	07-15-1999
APPD BY	GK	07-20-1999

PART NAME CONNECTION DIAGRAM
DELTA CONN. - 3Ø - 9 LEADS

DRWG NO A- EE7308K-LN

PURCHASED | CADD FILE NO. EE7308KLN

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Data Sheet

Date: 1/23/2018

LEESON

LM16767

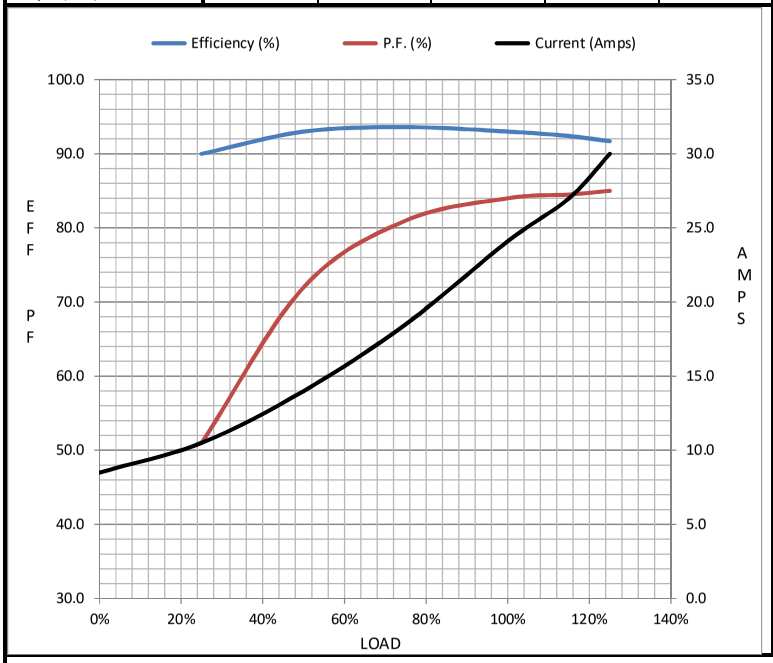
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	8.5	10.5	14.0	18.5	24.1	27.0	30.0	138	
Torque (ft-lb)	0.00	14.5	29.5	44.5	59.2	68.0	74.5	104	
RPM	1800	1795	1785	1780	1775	1,770	1760	0	
Efficiency (%)		90.0	93.0	93.6	93.0	92.4	91.7		
P.F. (%)	8.5	51.0	72.0	81.0	84.0	84.5	85.0	40.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1625	1775	1800
Current (Amps)	138	115	86.0	24.1	8.5
Torque (ft-lb)	104	100	146	59.2	0.00



Information Block

HP	20.0	
Sync. RPM	1800	
Frame	256	
Enclosure	TEFC	
Construction	TFY	
Voltage	230/460#380-415	V
Frequency	60	Hz
Design	B	
LR Code letter	G	
Service Factor	1.15	
Temp Rise @ FL	65	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	3.2	Lb-Ft²
Ref Wdg	K2564164 R26	
Sound Pressure @ 1M	65	dBA
VFD Rating	NONE	
Outline Dwg	B-SS321103LN-1375	
Conn. Diag	A-EE7308K-LN	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.2670	0.2070	0.9900	1.4910	28.4000

Speed -Torque Curve