PRODUCT INFORMATION PACKET

Model No: SSF4B1TC61

Catalog No: LM32822

1HP..1760/1450RPM.143TC.TEFC.230/460 190/380V.3PH.60/50Hz.CONT.40C.1.25/1.15.RIGID-C.SSF4B1TC61.....None.....

Totally Enclosed Fan Cooled (TEFC)

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Product Information Packet: Model No: SSF4B1TC61, Catalog No:LM32822 1HP..1760/1450RPM.143TC.TEFC.230/460 190/380V.3PH.60/50Hz.CONT.40C.1.25/1.15.RIGID-C.SSF4B1TC61.....None.....

Nameplate Specifications

Output HP	**1 Hp**	Output KW	**0.75 kW**
Frequency	**60 Hz**	Voltage	**230/460 V**
Current	**3.2/1.6 A**	Speed	**1760 rpm**
Service Factor	**1.25**	Phase	**3**
Efficiency	**85.5 %**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**N**	Frame	**143TC**
Enclosure	**Totally Enclosed Fan Cooled**	Overload Protector	**No**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6205**
Opp Drive End Bearing Size	**6203**	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	**Rolled Steel**	Shaft Type	**T**
Overall Length	**12.93 in**	Frame Length	**7.00 in**
Shaft Diameter	**0.875 in**	Shaft Extension	**2 in**
Assembly/Box Mounting	**F1 ONLY**		
Outline Drawing	**028786LN-700**	Connection Diagram	**005010.01LN**

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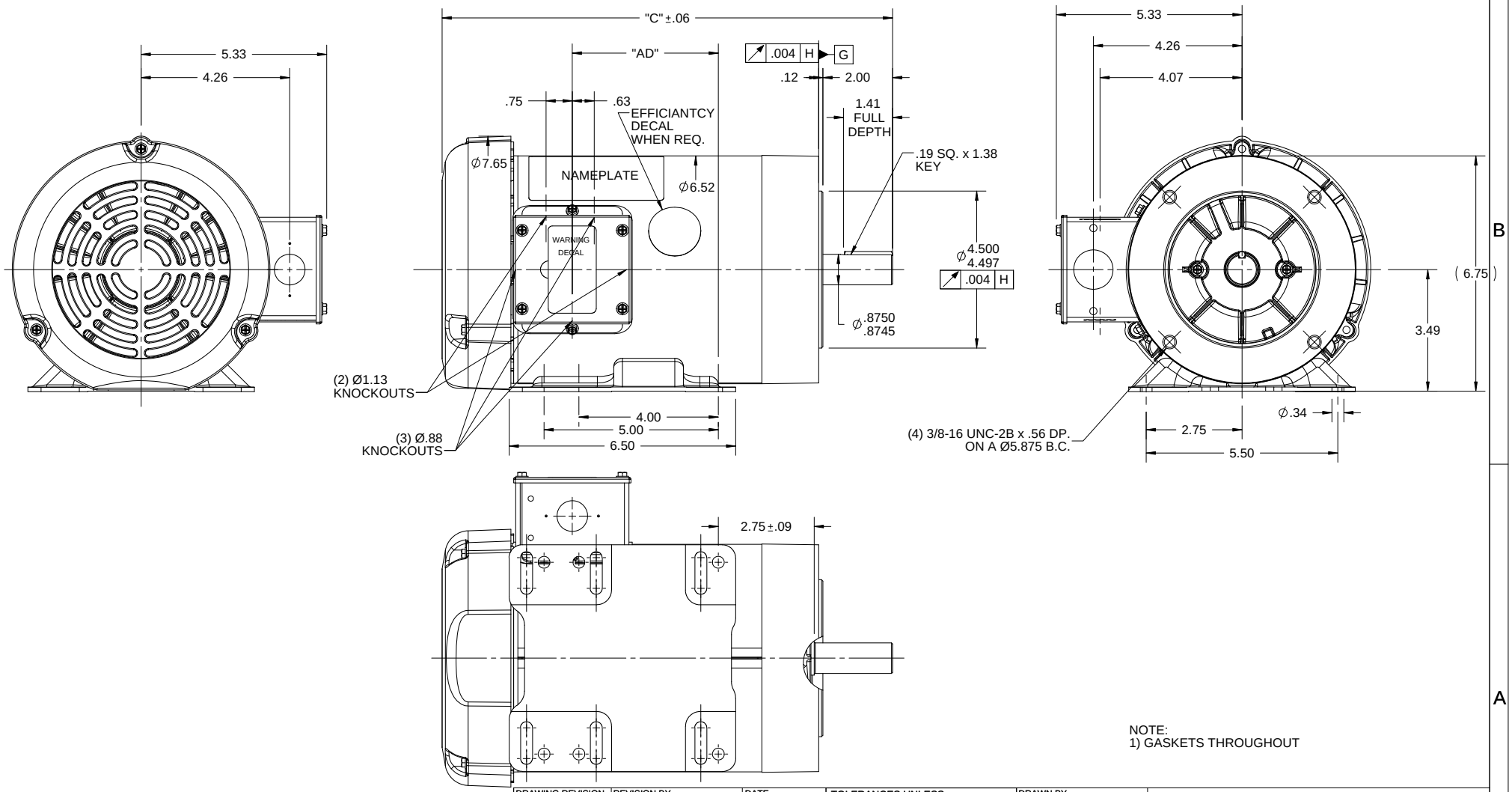

NOTE:
1) GASKETS THROUGHOUT

DASH NO.	"C"	"AD"
650	12.43	3.69
700	12.93	4.19
750	13.43	4.69
800	13.93	5.19
850	14.43	5.69

DRAWING REVISION	REVISION BY	DATE
C	ARV	5/27/17
ECO	APPROVED BY	DATE
ECO-0124410	SK	5/27/17

ECO DESCRIPTION: ADDED NAMEPLATE NOTE

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
.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: 125 INCH / 3.2 mm
mm SHOWN IN [BRACKETS]

DRAWN BY	VS 1/12/2011
DATE	
APPROVED BY	
DATE	
REFERENCE	
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.

DESCRIPTION: OUTLINE
TEFC - RIGID "C" FACE

MATERIAL	PROCESS/FINISH
	GENERAL PURPOSE

SIZE	DRAWING NUMBER	SHEET
B	028786LN	1 OF 1

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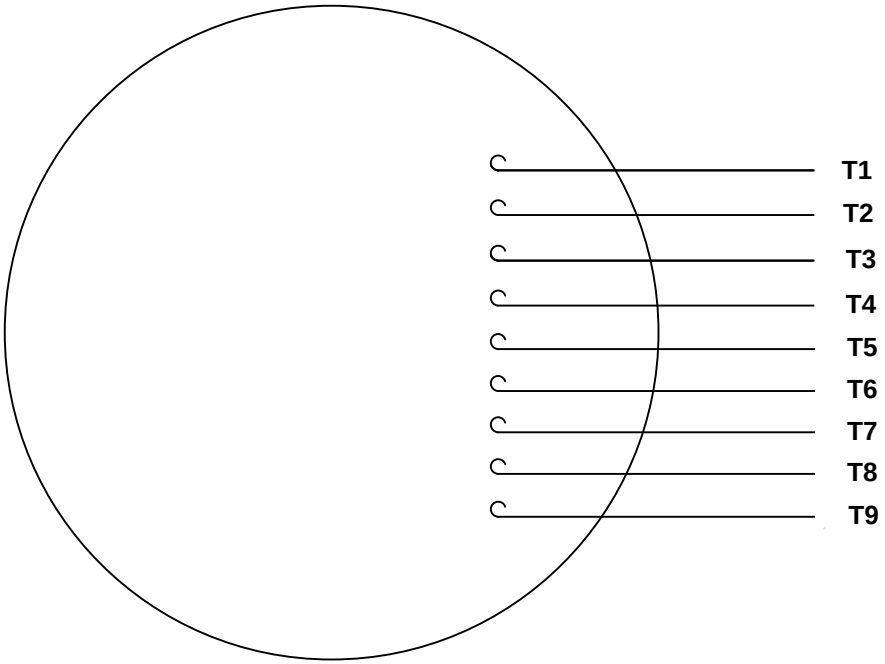
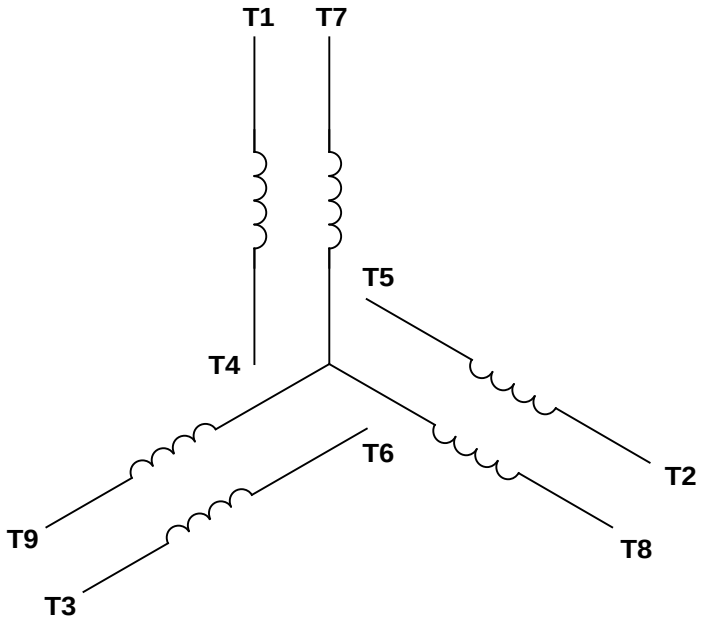
VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

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NO	REVISION	BY & DATE	CHK
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11	

TOLERANCES UNLESS SPECIFIED
DEC INCHES
.X ±.1
.XX ±.01
.XXX ±.005
.XXXX ±.0005
ANG ±1/2°

THIRD ANGLE PROJECTION

RFP 04/12/02
NETWORK FILE NAME 00501001LN

Lincoln MOTORS

TITLE EXTERNAL WIRING DIAGRAM
3 PHASE W/O PROTECTOR
MAT'L DECAL - 004014
FINISH
PREV

DRAWN KMM 04/16/02
CHK
APPR
SCALE 1:1
REF FIG. 2-51
FMF
PAGE OF

SIZE A
DRAWING NO 005010-01LN
REV --

2/11/2011 2:14:20 PM

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Data Sheet

Date: 1/23/2018

LEESON

LM32822

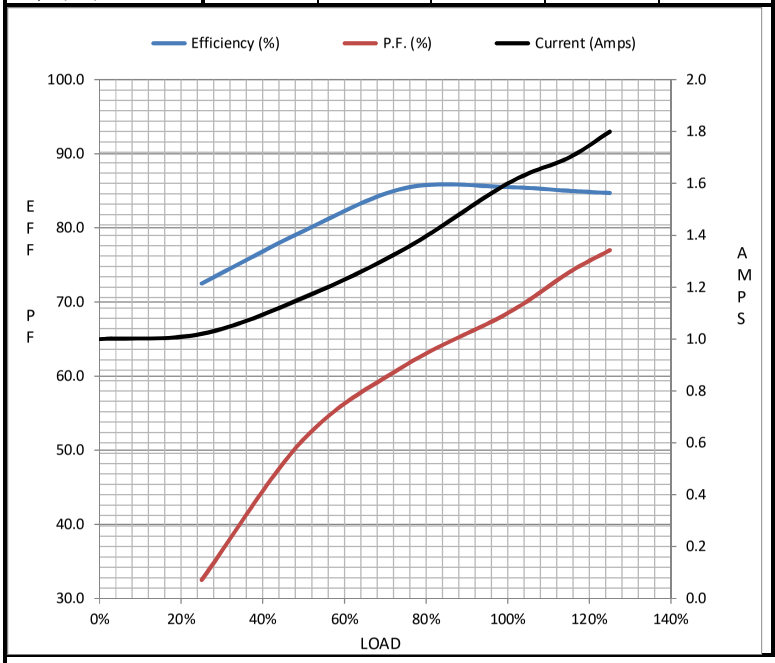
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.00	1.02	1.16	1.35	1.60	1.70	1.80	14.0	
Torque (ft-lb)	0.00	0.75	1.50	2.25	3.0	3.5	3.8	12.0	
RPM	1800	1789	1779	1769	1760	1,750	1745	0	
Efficiency (%)		72.5	79.6	85.4	85.5	85.0	84.7		
P.F. (%)	8.0	32.5	51.5	61.5	68.5	74.0	77.0	41.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1170	1760	1800
Current (Amps)	14.0	13.0	9.9	1.60	1.00
Torque (ft-lb)	12.0	11.9	15.8	3.0	0.00



Information Block

HP	1.0	
Sync. RPM	1800	
Frame	140	
Enclosure	TEFC	
Construction	TFR	
Voltage	230/460#190/380	V
Frequency	60	Hz
Design	B	
LR Code letter	N	
Service Factor	1.15	
Temp Rise @ FL	38	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.12	Lb-Ft²
Ref Wdg	T634342 FR	
Sound Pressure @ 1M	65	dBA
VFD Rating	NONE	
Outline Dwg	028786LN-700	
Conn. Diag	005010.01LN	

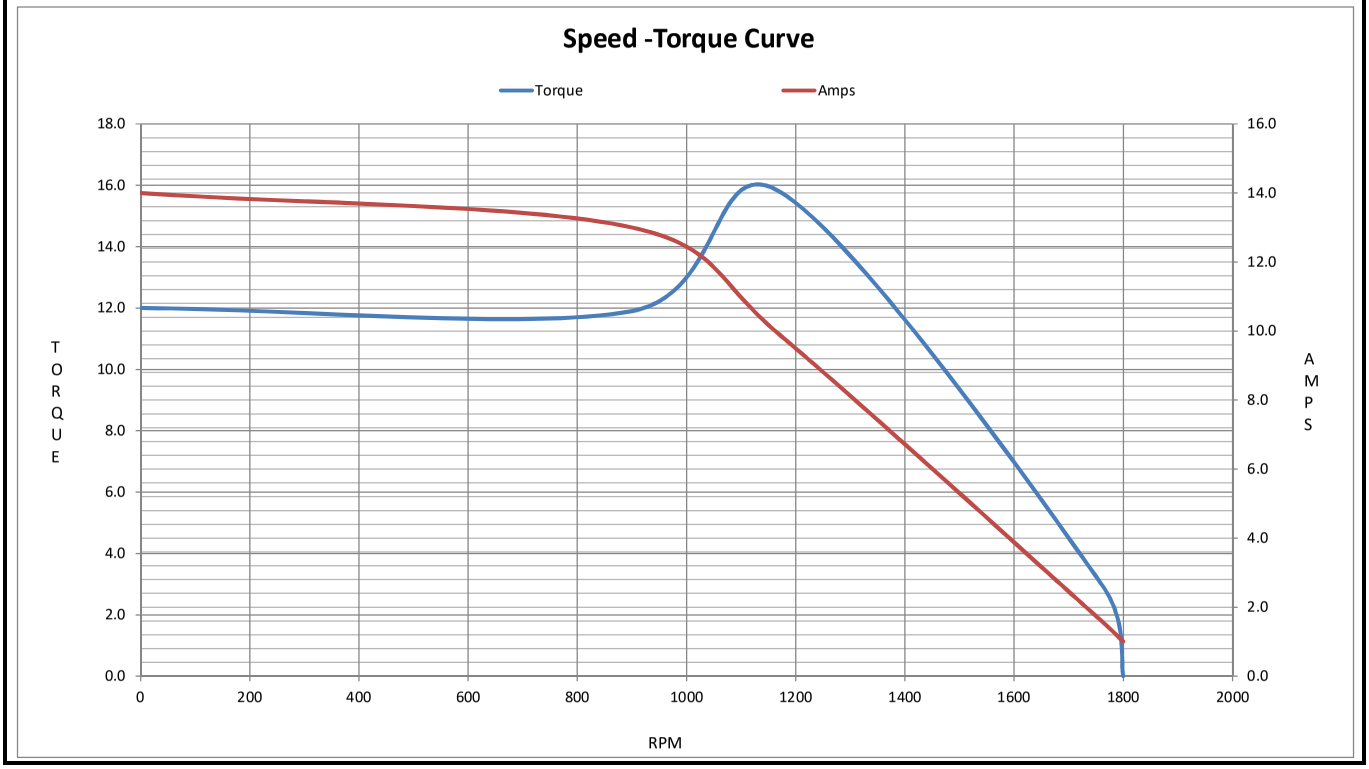
Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



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