PRODUCT INFORMATION PACKET

Model No: SRF6S0.5TCN61
Catalog No: LM24128
1/2,1140,TEFC,56C,3/60/208-230/460
Totally Enclosed Fan Cooled (TEFC)

Product Information Packet: Model No: SRF6S0.5TCN61, Catalog No:LM24128 1/2,1140,TEFC,56C,3/60/208-230/460

Nameplate Specifications

Output HP	**0.50 Hp**	Output KW	**0.37 kW**
Frequency	**60 Hz**	Voltage	**208-230/460 V**
Current	**2.4-2.7/1.4 A**	Speed	**1140 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**68 %**	Duty	**Continuous**
Insulation Class	**B**	Design Code	**B**
KVA Code	**L**	Frame	**56C**
Enclosure	**Totally Enclosed Fan Cooled**	Overload Protector	**No**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**203**
Opp Drive End Bearing Size	**203**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**43**		

Technical Specifications

Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
Poles	**6**	Rotation	**Reversible**
Mounting	**Round**	Motor Orientation	**HORIZONTAL**
Drive End Bearing	**BALL**	Opp Drive End Bearing	**BALL**
Frame Material	**Rolled Steel**	Shaft Type	**T**
Overall Length	**11.82 in**	Frame Length	**6.56 in**
Shaft Diameter	**0.625 in**	Shaft Extension	**1.88 in**
Assembly/Box Mounting	**F1 ONLY**		
Outline Drawing	**A-100103LN-656**	Connection Diagram	**A-EE7308-LN**

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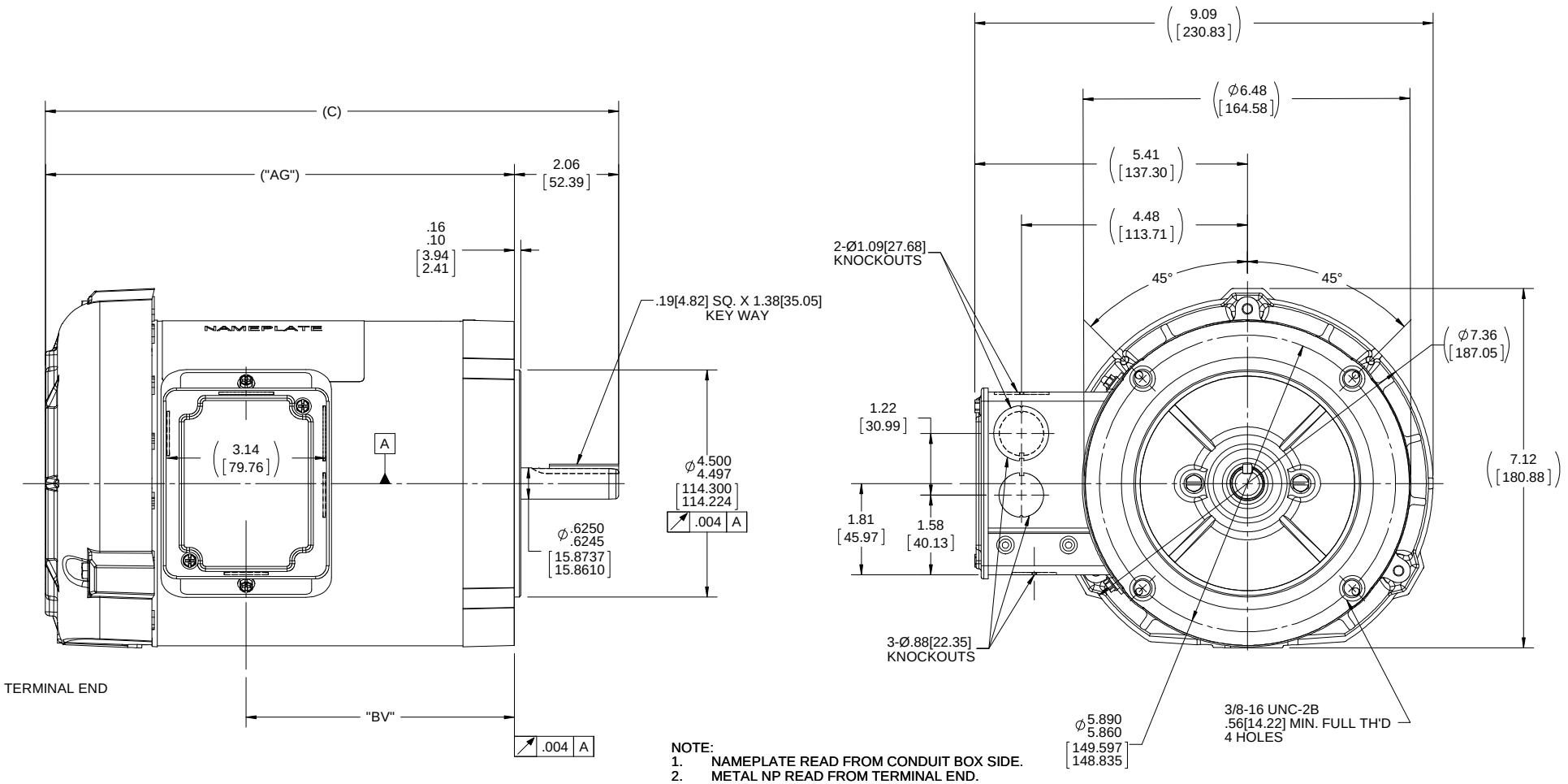


NOTE:
1. NAMEPLATE READ FROM CONDUIT BOX SIDE.
2. METAL NP READ FROM TERMINAL END.

DASH NO.	"C"	"AG"	"BV"
606	11.38[289.05]	9.30[236.22]	5.32[135.12]
656	11.88[301.75]	9.80[248.92]	5.82[147.82]
706	12.38[314.45]	10.30[261.62]	6.32[160.52]
756	12.88[327.15]	10.80[274.32]	6.82[173.22]
806	13.38[339.85]	11.30[287.02]	7.32[185.92]
856	13.88[352.55]	11.80[299.72]	7.82[198.62]
906	14.38[365.25]	12.30[312.42]	8.32[211.32]
956	14.88[377.95]	12.80[325.12]	8.82[224.02]

DRAWING REVISION	REVISION BY	DATE
F	M. CHATLAPALLI	9/20/2018
ECO	APPROVED BY	DATE
ECO-0152983	JD	9/20/2018

ECO DESCRIPTION
OUTLINE CONVERSION PROJECT

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

DRAWN BY	RWR
DATE	03/11/2004
APPROVED BY	GK
DATE	03/12/2004
REFERENCE	100103LN
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.

DESCRIPTION
OUTLINE
56 FRAME-TEFC-'C' FACE

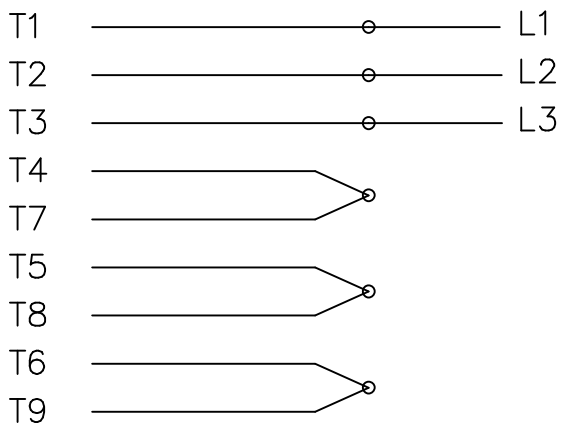
MATERIAL | PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
B	100103LN	1 OF 1

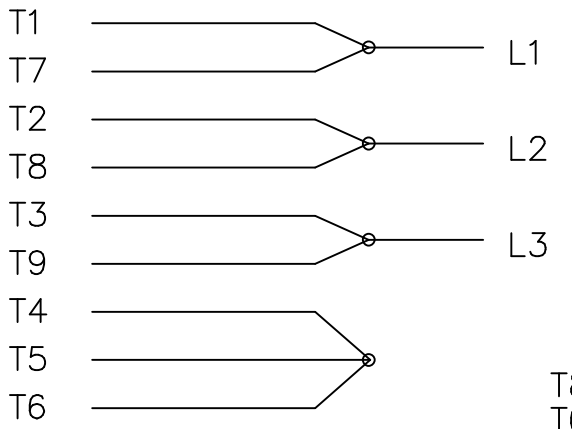
EE7308-LN

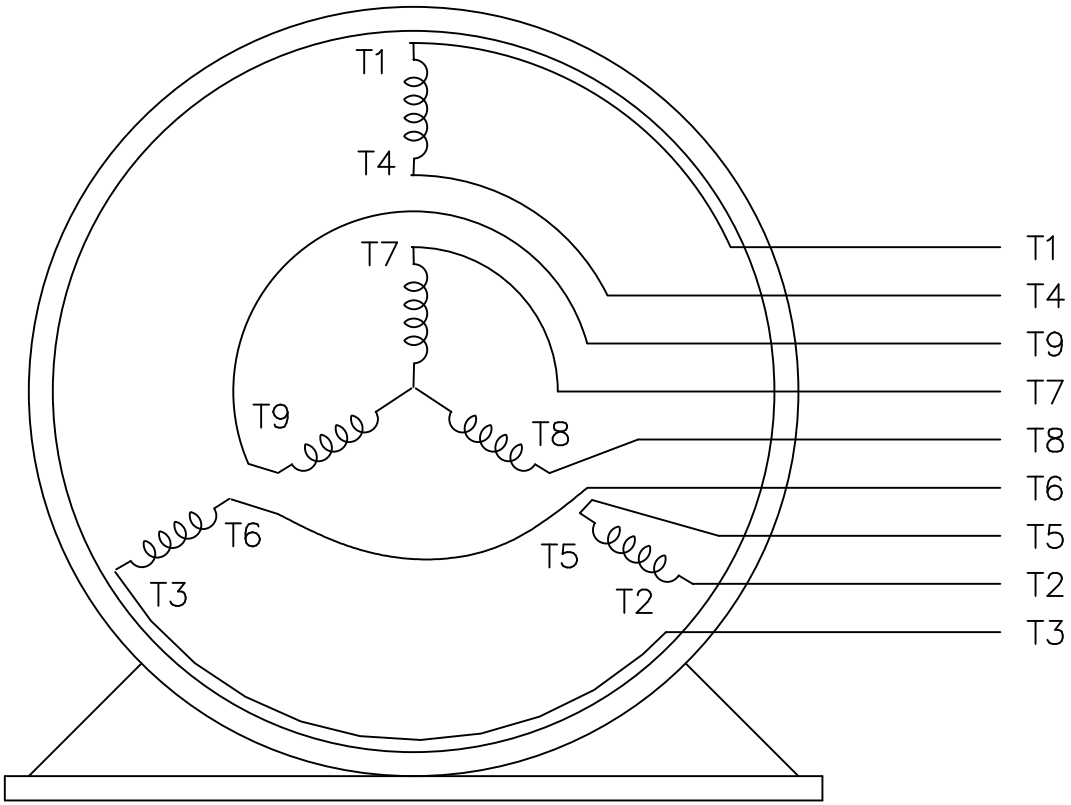
THREE PHASE
DUAL VOLTAGE MOTOR

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

DRAWN	BLR	06/11/1999
CHK	ML	06/18/1999
APPD	GK	06/18/1999

TITLE CONNECTION DIAGRAM
3ø – DUAL VOLTAGE MOTOR

SCALE 1=1
REF
FMF
PREV
MAT'L.
FINISH
CAD FILE EE7308LN
RFP
DIST WP

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

Data Sheet

Date: 1/19/2018

LEESON

LM24128

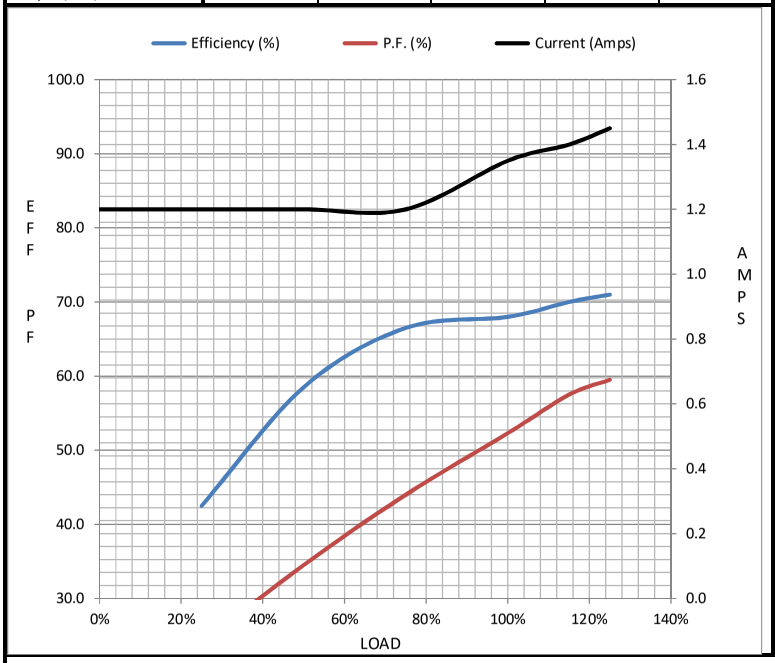
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.20	1.20	1.20	1.20	1.35	1.40	1.45	6.2	
Torque (ft-lb)	0.00	0.56	1.10	1.70	2.30	2.70	3.0	7.2	
RPM	1200	1190	1180	1160	1140	1,137	1135	0	
Efficiency (%)		42.5	58.5	66.5	68.0	70.0	71.0		
P.F. (%)	13.5	24.0	34.5	44.0	52.3	57.5	59.5	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	890	1140	1200
Current (Amps)	6.2	5.8	4.0	1.35	1.20
Torque (ft-lb)	7.2	6.5	9.0	2.30	0.00



Information Block

HP	0.5	
Sync. RPM	1200	
Frame	56	
Enclosure	TEFC	
Construction	TFR	
Voltage	208-230/460#190/380	V
Frequency	60	Hz
Design	B	
LR Code letter	L	
Service Factor	1.15	
Temp Rise @ FL	60	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.05	Lb-Ft²
Ref Wdg	ZT606 NONE	
Sound Pressure @ 1M	62	dBA
VFD Rating	NONE	
Outline Dwg	A-100103LN-656	
Conn. Diag	A-EE7308-LN	

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
22.6800	11.3400	22.6800	22.6800	215.4600