PRODUCT INFORMATION PACKET

Model No: SRN2H0.33T61
Catalog No: LM25124
1/3,3600,TENV,56,3/60/230/460
Automotive Duty

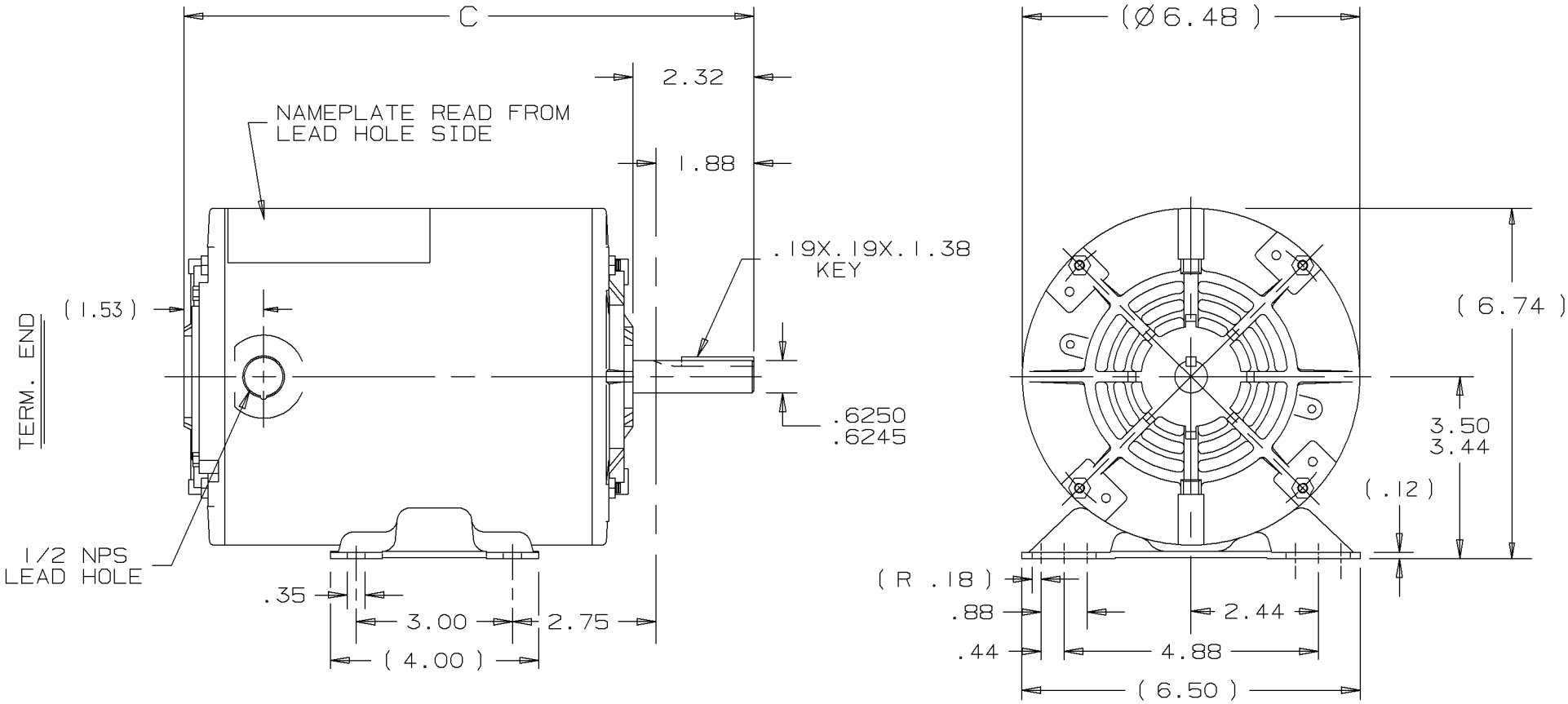
Nameplate Specifications

Output HP	**0.33 Hp**	Output KW	**0.25 kW**
Frequency	**60 Hz**	Voltage	**230/460 V**
Current	**2.0/1.0 A**	Speed	**3450 rpm**
Service Factor	**1**	Phase	**3**
Efficiency	**64 %**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**T**	Frame	**56**
Enclosure	**Totally Enclosed Non Ventilated**	Overload Protector	**No**
Ambient Temperature	**65 °C**	Drive End Bearing Size	**6203**
Opp Drive End Bearing Size	**6203**	UL	**Recognized**
CSA	**Y**	CE	**N**
IP Code	**43**		

Technical Specifications

Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
Poles	**2**	Rotation	**Reversible**
Mounting	**Rigid base**	Motor Orientation	**HORIZONTAL**
Drive End Bearing	**BALL**	Opp Drive End Bearing	**BALL**
Frame Material	**Rolled Steel**	Shaft Type	**NEMA 56**
Overall Length	**9.94 in**	Frame Length	**6.06 in**
Shaft Diameter	**0.625 in**	Shaft Extension	**1.88 in**
Assembly/Box Mounting	**F1 ONLY**		
Outline Drawing	**A-100108LN-606**	Connection Diagram	**A-EE7308-LN**

A- 100108LN



DASH	FR.	C			DASH	FR.	C		
					756	56-75	11.44		
606	56-60	9.94			806	"-80	11.94		
656	" -65	10.44			856	"-85	12.44		
706	"-70	10.94							

REV	DATE	CHANGE	NAME
1	09-08-1999	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	09-07-1999
CHKD BY	ML	09-07-1999
APPD BY	ET	09-08-1999

PART NAME OUTLINE
56 FR - TENV - BB - 3Ø

DRWG NO A- 100108LN

PURCHASED | CADD FILE NO. 100108LN

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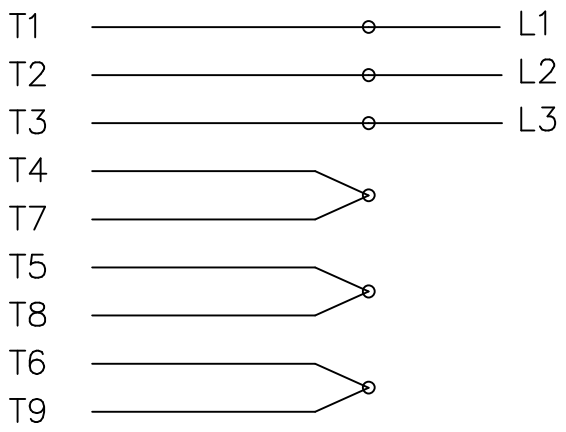
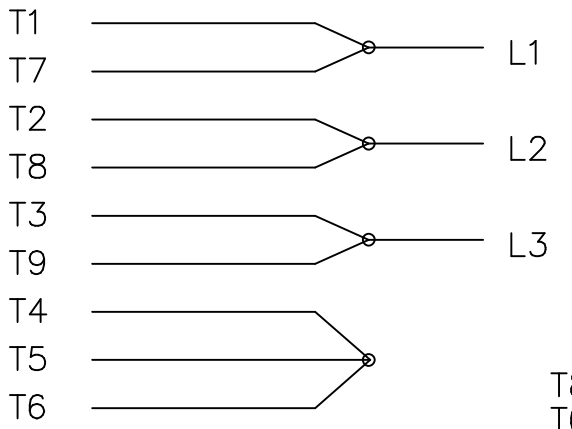
EE7308-LN

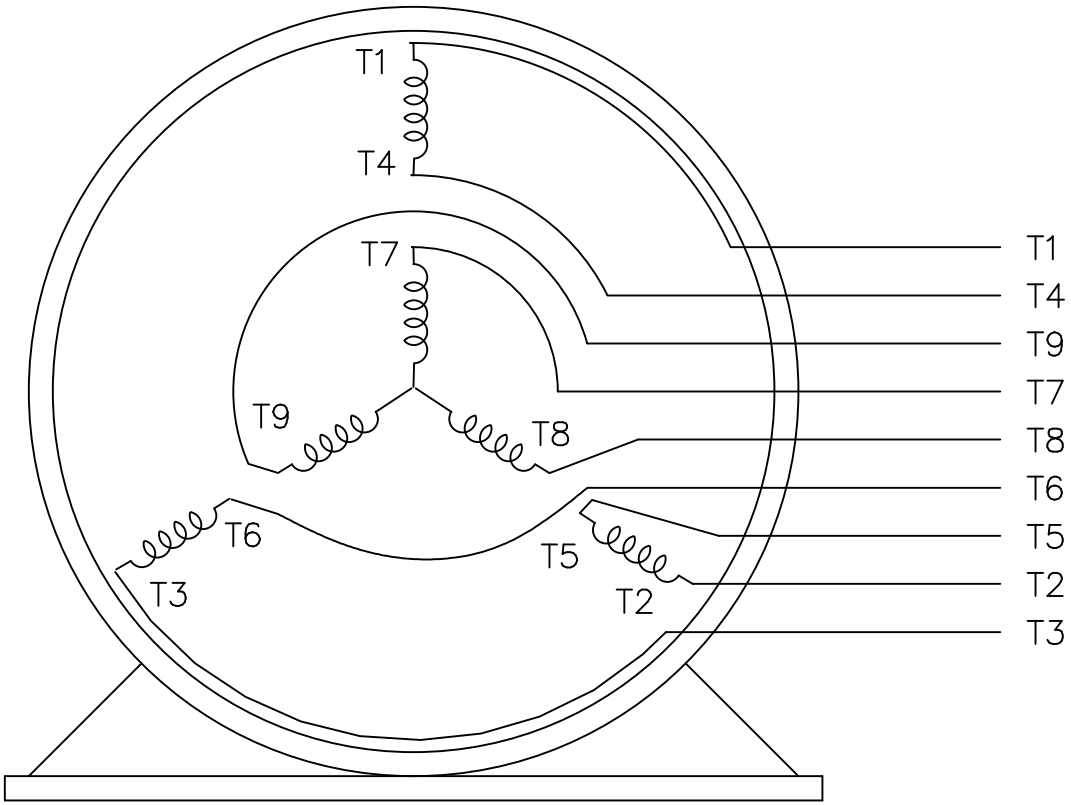
THREE PHASE
DUAL VOLTAGE MOTOR

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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P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7308-LN
OUTLINE: A-100108LN-606
WINDING: ZT207 TR 3

CAT #: LM25124

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
0.33	0.25	3600	3450	56	TENV	TTR	T	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	230/460	2/1	ACROSS THE LINE	CONT	F	1.15	65	3300

F.L. EFF	64.0	3/4 LD EFF	60.0	1/2 LD EFF	51.0	GTD EFF	ELECT. TYPE
F.L. PF	52.9	3/4 LD PF	44.5	1/2 LD PF	36.5	59.5	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)	
0.51 LB-FT	8.0	2.20 LB-FT 431%	3.6 LB-FT 706%	75	

PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
65 dBA	74 dBA	0.02 LB-FT²	1.5 LB-FT²	10 SEC.	2	18 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
TANDARD HUBLES	STANDARD HUBLESS	RIGID	HORIZONTAL	NO	NONE	NO	NONE	GRAY (POWDER)

BEARINGS DE	BEARINGS ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL 6203	VERIFY 6203	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0	0	0	0	0	0.150	ODE

NOTES
*
*

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE
NONE NONE **PPR**

BRAKE: NONE
NONE NONE
FT-LB: NA
VOLTAGE: NONE **HZ:**
UL: V-INS, CONST UL REC

DATE: 1/30/2018

Data Sheet

Date: 1/30/2018

LEESON

LM25124

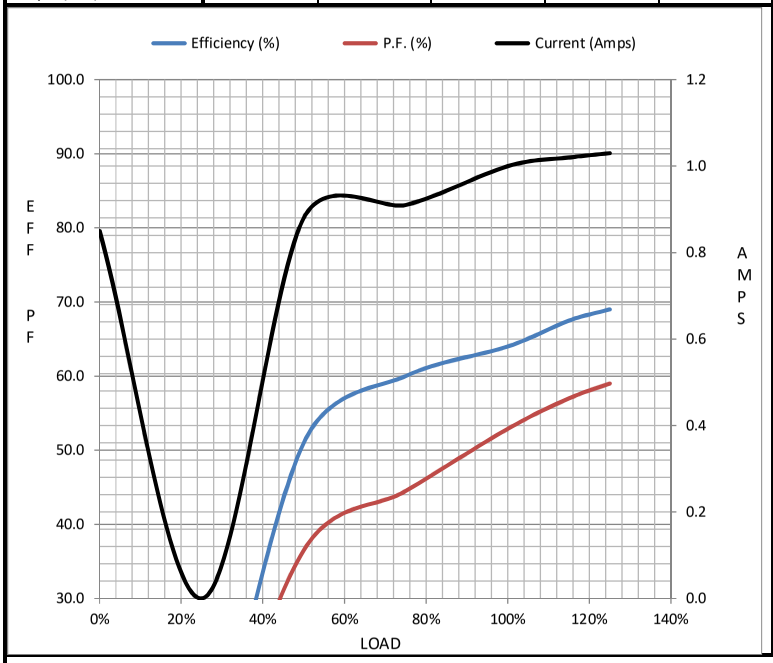
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	0.85	0.00	0.88	0.91	1.00	1.02	1.03	8.0	
Torque (ft-lb)	0.00	0.00	0.26	0.38	0.51	0.55	0.64	2.20	
RPM	3600	3590	3580	3520	3450	3,445	3440	0	
Efficiency (%)		0.0	51.0	60.0	64.0	67.5	69.0		
P.F. (%)	18.0	0.0	36.5	44.5	52.9	57.0	59.0	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1725	3080	3450	3600
Current (Amps)	8.0	7.2	5.2	1.00	0.85
Torque (ft-lb)	2.20	1.87	3.6	0.51	0.00



Information Block

HP	0.3	
Sync. RPM	3600	
Frame	56	
Enclosure	TENV	
Construction	TTR	
Voltage	230/460	V
Frequency	60	Hz
Design	B	
LR Code letter	T	
Service Factor	1.15	
Temp Rise @ FL	75	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.02	Lb-Ft²
Ref Wdg	ZT207 TR	
Sound Pressure @ 1M	65	dBA
VFD Rating	NONE	
Outline Dwg	A-100108LN-606	
Conn. Diag	A-EE7308-LN	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000

Speed -Torque Curve