PRODUCT INFORMATION PACKET

Model No: LM25127
Catalog No: LM25127
Automotive Duty Motor, 0.25 HP, 3 Ph, 60 Hz, 230/460 V, 1200 RPM, 56 Frame, TENV

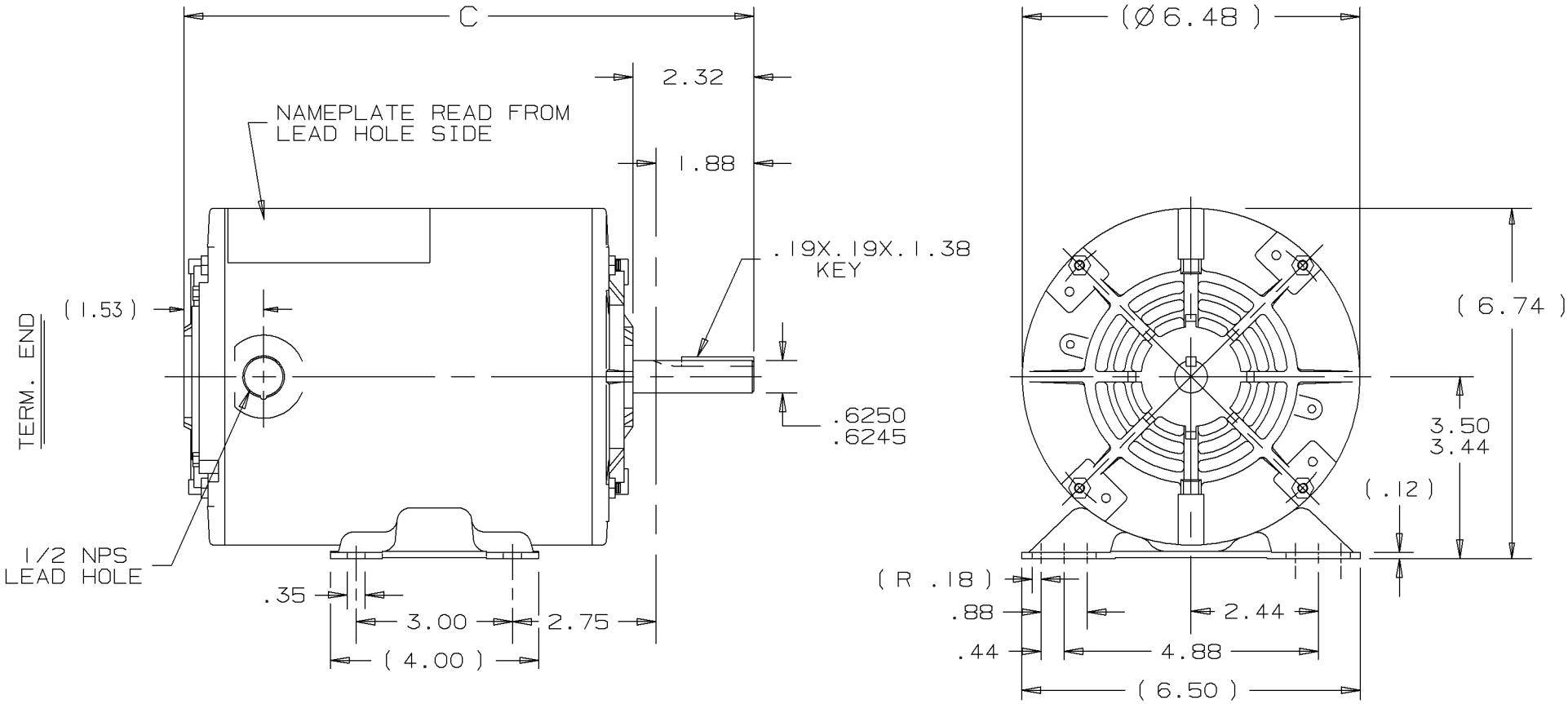
Nameplate Specifications

Output HP	0.25 Hp	Output KW	0.19 kW
Frequency	60 Hz	Voltage	230/460 V
Current	1.2/0.60 A	Speed	1140 rpm
Service Factor	1	Phase	3
Efficiency	72 %	Power Factor	50
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	M
Frame	56	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No Protection	Ambient Temperature	65 °C
Drive End Bearing Size	203	Opp Drive End Bearing Size	203
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Resistance Main	62.2 Ohms	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	10.94 in
Frame Length	7.06 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	100108LN-706	Connection Drawing	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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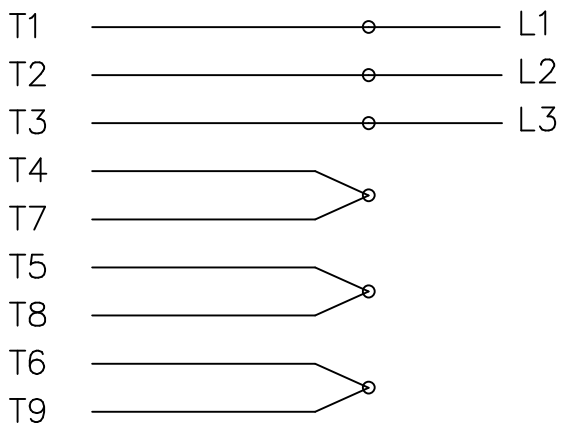
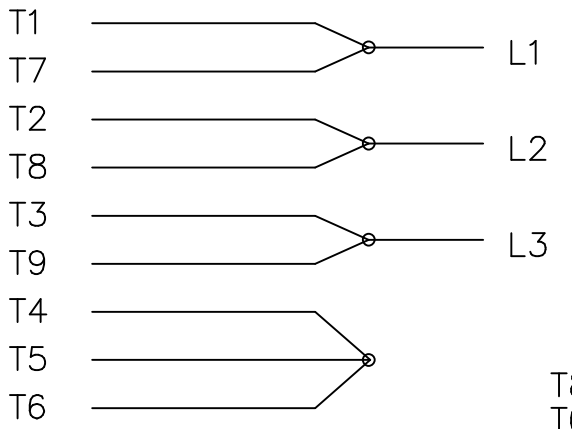
EE7308-LN

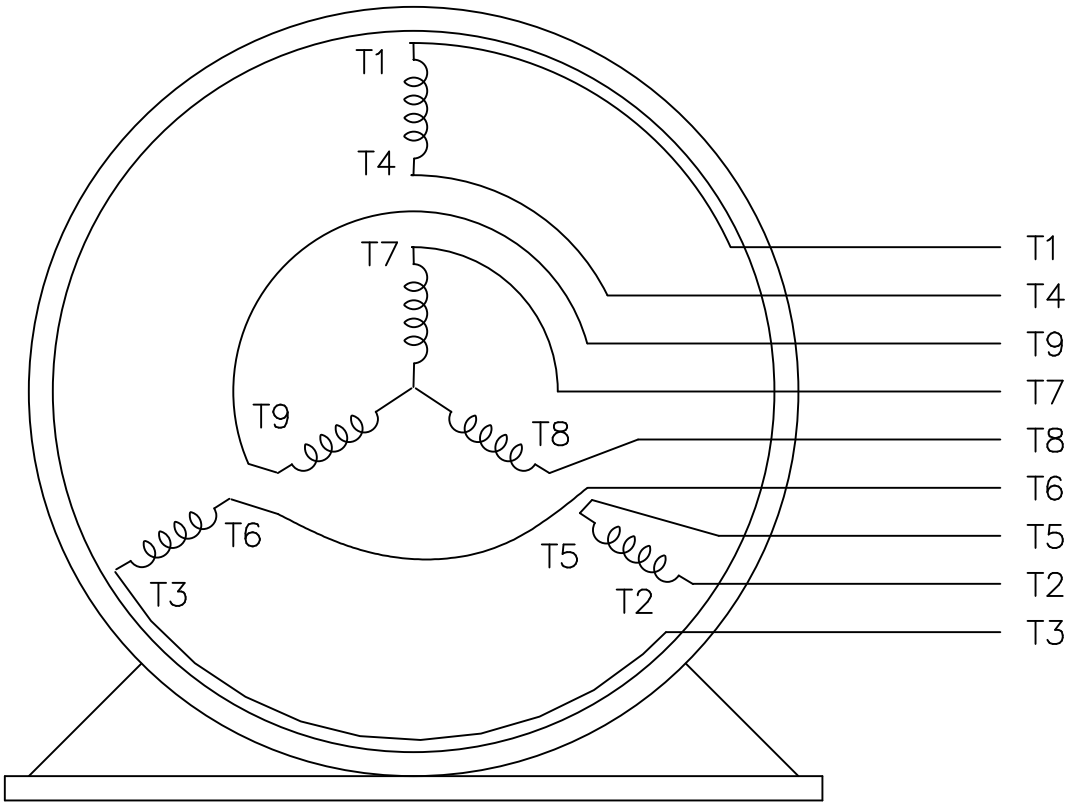
THREE PHASE
DUAL VOLTAGE MOTOR

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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2100 WASHINGTON ST.
GRAFTON, WI
PH. 262-277-8810

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7308-LN

OUTLINE: A-100108LN-706

CATALOG # : LM25127

WINDING #: ZT6113 TR 3

MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/4	0.19	1200	1140	56	TENV	M	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	230/460	1.2/.6	ACROSS THE LINE	CONTINUOUS	F3	1.0	65

FULL LOAD EFF:	72	3/4 LOAD EFF:	68	1/2 LOAD EFF:	60	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	50	3/4 LOAD PF:	42.2	1/2 LOAD PF:	33	71.5	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
17.6 OZ-FT	7 / 3.5	58.7 OZ-FT 334 %	82.5 OZ-FT 469 %	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
60 dBA	70 dBA	0.056 LB-FT^2	- LB-FT^2	20 SEC.	-	26 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
203	203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

NOTES

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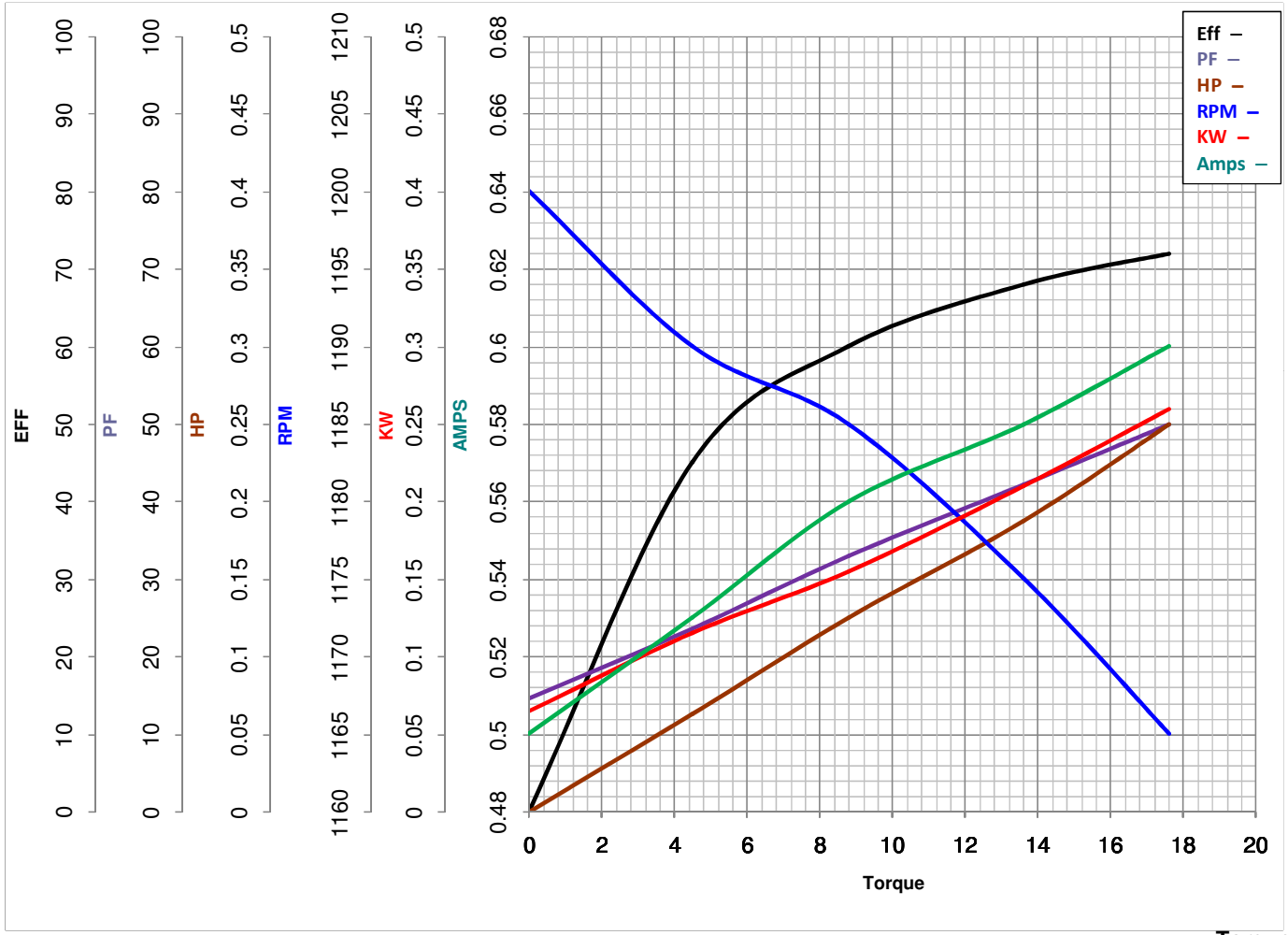
LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Curve at 460 **Volts** **HP** 0.25 **PHASE** 3
60 **HZ**
0.25 **HP** **VOLTS** 230/460

Model No LM25127

Catalog No LM25127A **HZ** 60 **RPM** 1140



Torque in Oz.Ft

FL TORQUE	17.6	**Oz.Ft**	**FL AMPS**	1.2/.6	
BD TORQUE	82.5	**Oz.Ft**	**PU TORQUE**	51.2	**Oz.Ft**
LR TORQUE	58.7	**Oz.Ft**	**LR AMPS**	3.5	
WINDING	ZT6113-3			**Date**	**5/28/2018**