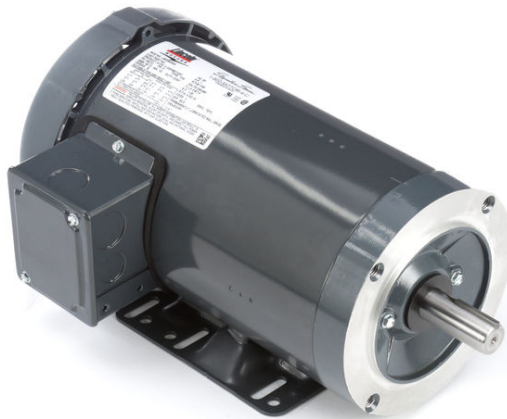


PRODUCT INFORMATION PACKET



Model No: SRN2H0.75TCN61
Catalog No: LM25139
3/4,3600,TENV,56C,3/60/230/460
Automotive Duty



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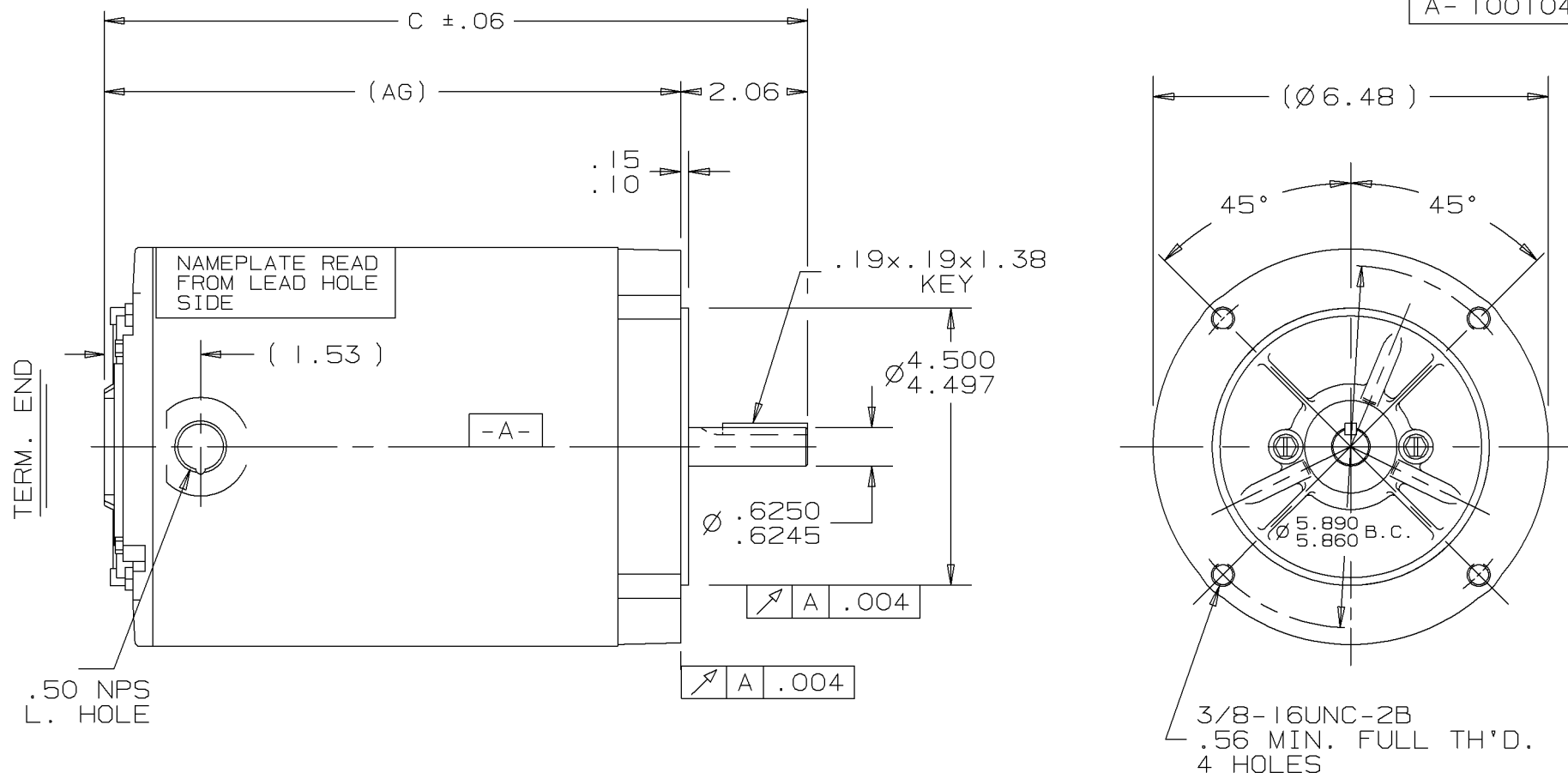
Nameplate Specifications

Output HP	0.75 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	230/460 V
Current	2.0/1.0 A	Speed	3450 rpm
Service Factor	1.15	Phase	3
Efficiency	84 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	N	Frame	56C
Enclosure	Totally Enclosed Non Ventilated	Overload Protector	No
Ambient Temperature	65 °C	Drive End Bearing Size	203
Opp Drive End Bearing Size	203	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	Round	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	11.94 in	Frame Length	8.06 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	A-100104LN-806	Connection Diagram	A-EE7308-LN

A-100104LN



DASH	FR.	C	AG		DASH	FR.	C	AG	
606	56-60	9.94	7.87		806	56-80	11.94	9.87	
656	"-65	10.44	8.37		856	"-85	12.44	10.37	
706	"-70	10.94	8.87		906	"-90	12.94	10.87	
756	"-75	11.44	9.37		956	"-95	13.44	11.37	

					✓	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX± .02 XXX± .005 XXXX± .0005 ANGLES± 7°30"				
					MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED		DRAWN BY	TRB	09-07-1999	
					FINISH		CHKD BY	ML	09-07-1999	
					MATERIAL		APPD BY	ET	09-08-1999	
	09-08-1999	NEW DRAWING		TRB	PART NAME OUTLINE 56 FR - BB - TENV - C-FACE - 3Ø				DRWG NO A-100104LN	
REV	DATE	CHANGE		NAME						
					PURCHASED	CADD FILE NO.		100104LN		

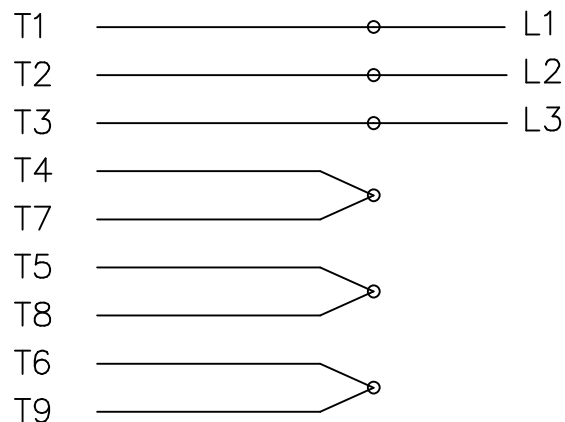
ERROR: undefined
OFFENDING COMMAND: en

STACK:

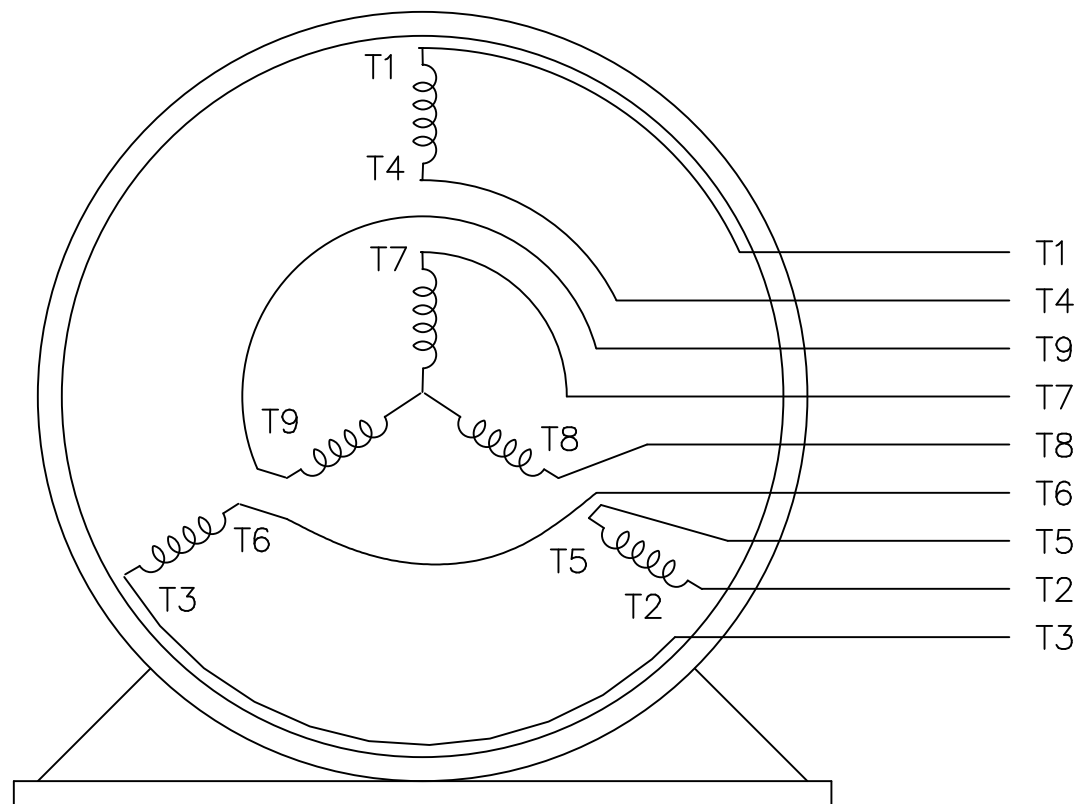
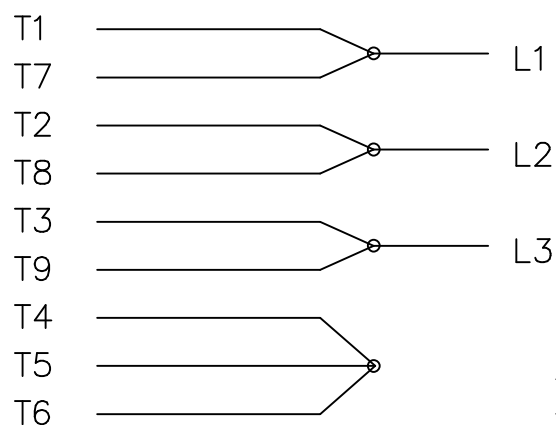
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/Pscript_WinNT_Compat
-dictionary-

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

			TOLERANCES UNLESS SPECIFIED			DRAWN BLR 06/11/1999		
			DEC.	INCHES		CHK	ML	06/18/1999
			.X	±.1		APPD	GK	06/18/1999
3	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XX ±.02	TITLE CONNECTION DIAGRAM 3Ø — DUAL VOLTAGE MOTOR	SCALE 1=1		
2	RE-ISSUE, ADDED '-' TO PART NUMBER	BLR 08/09/1999	GK	.XXX ±.005		REF		
1	NEW DRAWING	BLR 06/18/1999	GK	.XXXX ±.0005		FMF		
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV		
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT			RFP	CAD FILE EE7308LN		SIZE	DRAWING NO.	PAGE OF
			DIST WP			A	EE7308-LN	3



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EET7308-LN

CAT #:

LM25139

OUTLINE: A-100104LN-806

WINDING: ZT285

TR 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN				
0.75	0.56	3600	3530	56C	TENV	TTR	N	B				
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.			
3	60	230/460	21	ACROSS THE LINE	CONT	F	1.15	65	3300			
F.L.EFF		84.0	3/4 LD EFF	82.5	1/2 LD EFF	80.0	GTD EFF	ELECT. TYPE				
F.L.PF		81.0	3/4 LD PF	75.0	1/2 LD PF	64.0	81.5	SQ CAGE IND RUN				
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)				
1.10	LB-FT	11.5		4.0	LB-FT	364%		6.0	LB-FT	545%	50	
PRESSURE @ 3		POWER		ROTOR WK²		MAX. LOAD WK²		SAFE STALL TIME		STARTS/HOUR		MOTOR WGT
65	dBA	74	dBA	0.05	LB-FT²	0	LB-FT²	20	SEC.	0	58	LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	NO	NONE	NO	NONE	VERIFY
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
DE CODE								
BALL								
203	POLYREX EM	T	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		
8.165	5.746	14.402	13.381	502.74	0.150	ODE		

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE
NONE
NONE PPR

DATE: 2/1/2018

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

Data Sheet

Date: 2/1/2018

LM25139



Data @ 460 V

Motor Load Data

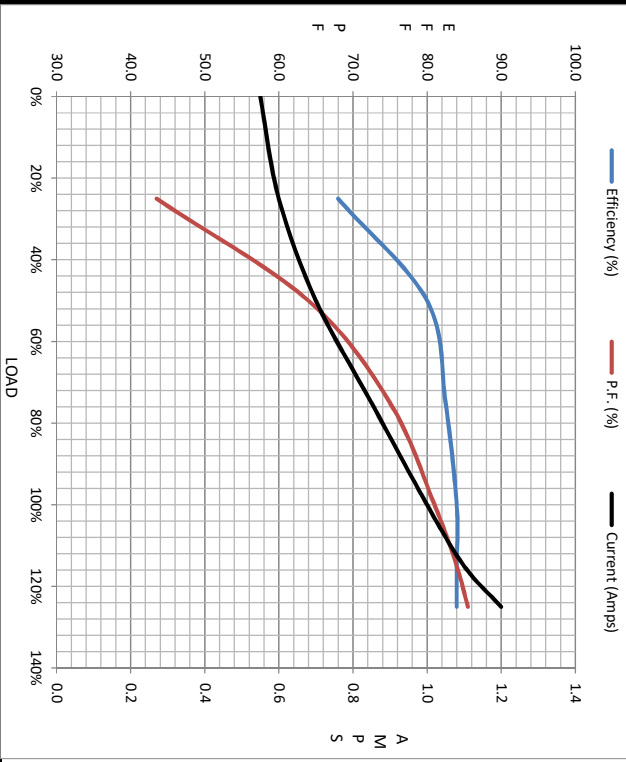
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	0.55	0.60	0.70	0.85	1.00	1.10	1.20	11.5	
Torque (ft-lb)	0.00	0.28	0.55	0.85	1.10	1.30	1.40	4.0	
RPM	3600	3580	3565	3550	3530	3520	3510	0	
Efficiency (%)		68.0	80.0	82.5	84.0	84.0	84.0		
P.F. (%)	13.0	43.5	64.0	75.0	81.0	84.0	85.5	55.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	400	2725	3530	3600
Current (Amps)	11.5	11.0	7.0	1.00	0.55
Torque (ft-lb)		3.5	6.0	1.10	0.00

Information Block

HP	0.8			
Sync. RPM	3600			
Frame	143			
Enclosure	TENV			
Construction	TTR			
Voltage	230/460		V	
Frequency	60		Hz	
Design	A			
LR Code letter	N			
Service Factor	1.15			
Temp Rise @ FL	50		° C	
Duty	CONT			
Ambient	40		° C	
Elevation	1,000		feet	
Rotor/Shaft wk²	0.05		Lb-Ft²	
Ref Wdg	ZT285 TR			
Sound Pressure @ 1M	65		dBA	
VFD Rating	NONE			
Outline Dwg	A-100104LN-806			
Conn. Diag	A-EE7308-LN			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
8.1650	5.7460	14.4020	13.3810	502.7/400



Speed -Torque Curve

