PRODUCT INFORMATION PACKET

Model No: LM22826
Catalog No: LM22826
Speed Ratio Motors, TEFC, 3 HP, 3 Ph, 60 Hz, 230/460 V, 3480 RPM, 182TC Frame

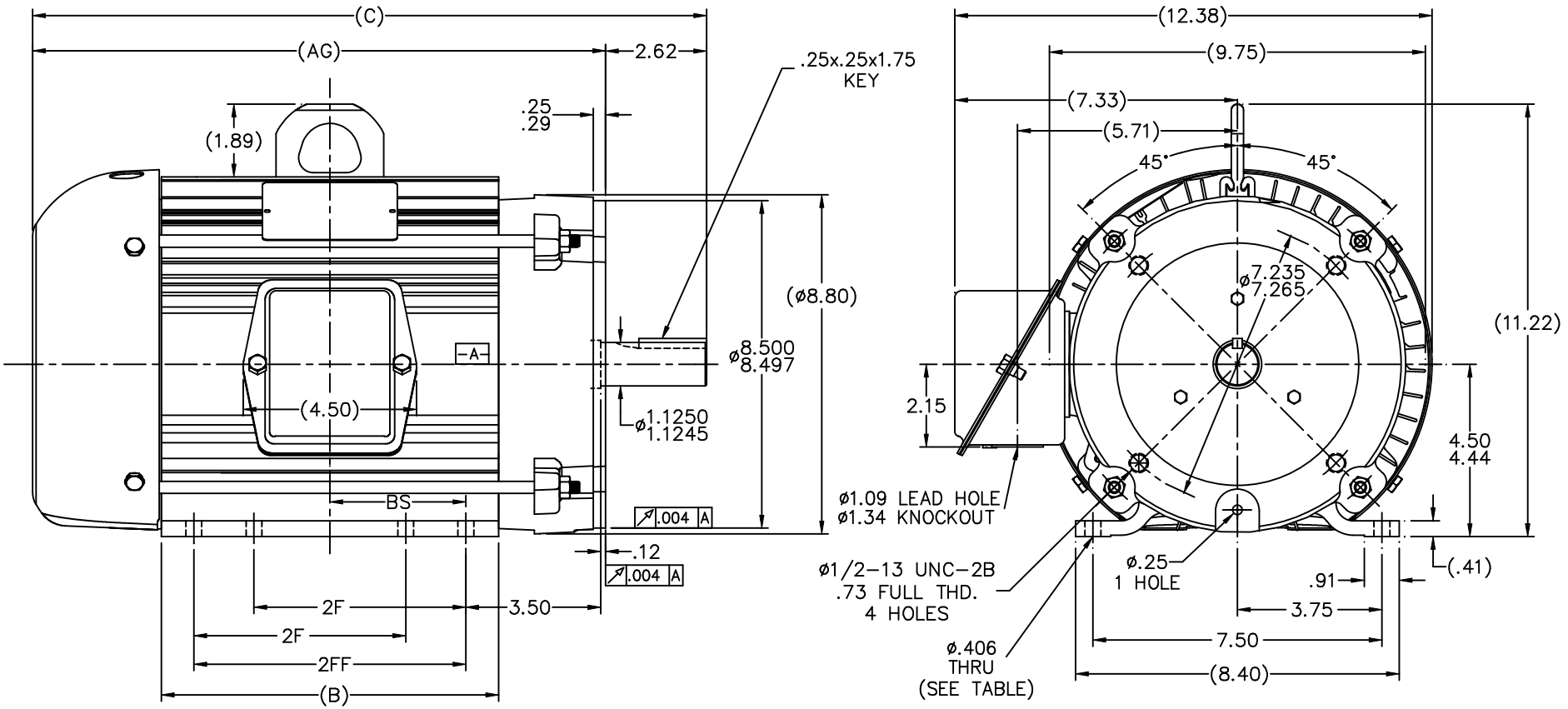
Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	7.4/3.7 A	Speed	3480 rpm
Service Factor	1	Phase	3
Efficiency	85.5 %	Power Factor	88.5
Duty	Continuous	Insulation Class	F
Design Code	INV	KVA Code	J
Frame	182TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	207	Opp Drive End Bearing Size	205
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	2	Rotation	Reversible
Resistance Main	3.9 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	T	Overall Length	14.83 in
Frame Length	6.20 in	Shaft Diameter	1.125 in
Shaft Extension	2.62 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7308T-LN	Outline Drawing	B-SS601010LN-620

SS601010LN



NOTES:
1. CONDUIT BOX TO BE ROTATED IN 90° STEPS.
2. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FR.	C	BS	B	2F	AG	2FF	FOOT HOLE
620	182T	14.83	2.25	6.20	---	12.21	4.50	4
720	184T	15.83	2.75	7.20	---	13.21	5.50	4
720	182/4T	15.83	2.75	7.20	4.50	13.21	5.50	8
820	182/4T	16.83	3.25	8.20	5.50	14.21	6.50	8
875	184T	17.49	3.53	8.75	5.50	14.87	7.06	8

NO.	REVISION	BY & DATE	CHK
10	CHANGED DASH 720 182/4T TO 184T AND DIMENSION 2FF FROM 4.50 TO 5.50 ECN 10328	JJB 05/25/2007	ML
9	-620, 720; 2F NOW 2FF DIM. (4 MTG HOLES) CN 33910	DRS 10-25-2005	ML
8	FIXED 2FF DIM. FOR -820 WAS 5.50 CN 32479	ERH 02-02-2004	ML
7	ADDED OLD DASHES TO TABLE CN 32479	ERH 12-10-2003	ML
6	REVISED PER CN 32479	ERH 12-01-2003	ML

TOLERANCES UNLESS SPECIFIED: DEC. ±.1, .XX ±.03, .XXX ±.005, .XXXX ±.0005, ANG ±7'30"

RFP
DIST LB

Lincoln MOTORS

TITLE OUTLINE
180T FR. - TEFC - C'FACE

MAT'L.
FINISH
CAD FILE ss601010in

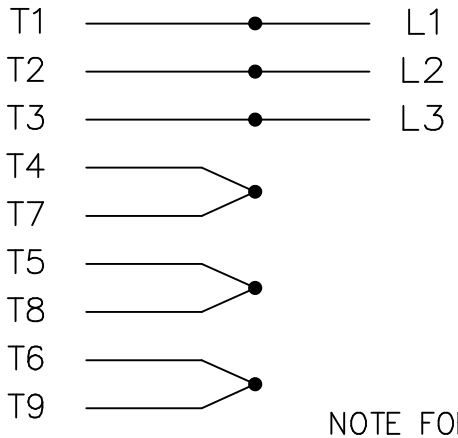
DRAWN	BJW	02/01/2000
CHK	ML	02/02/2000
APPD	GK	02/02/2000
SCALE		3=8
REF		
FMF		MU48444
PREV		

SIZE	DRAWING NO.	PAGE	OF	REV.
B	SS601010LN			10

EE7308T-LN

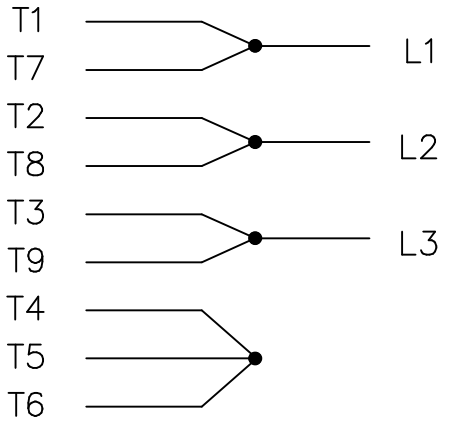
THREE PHASE
DUAL VOLTAGE MOTOR

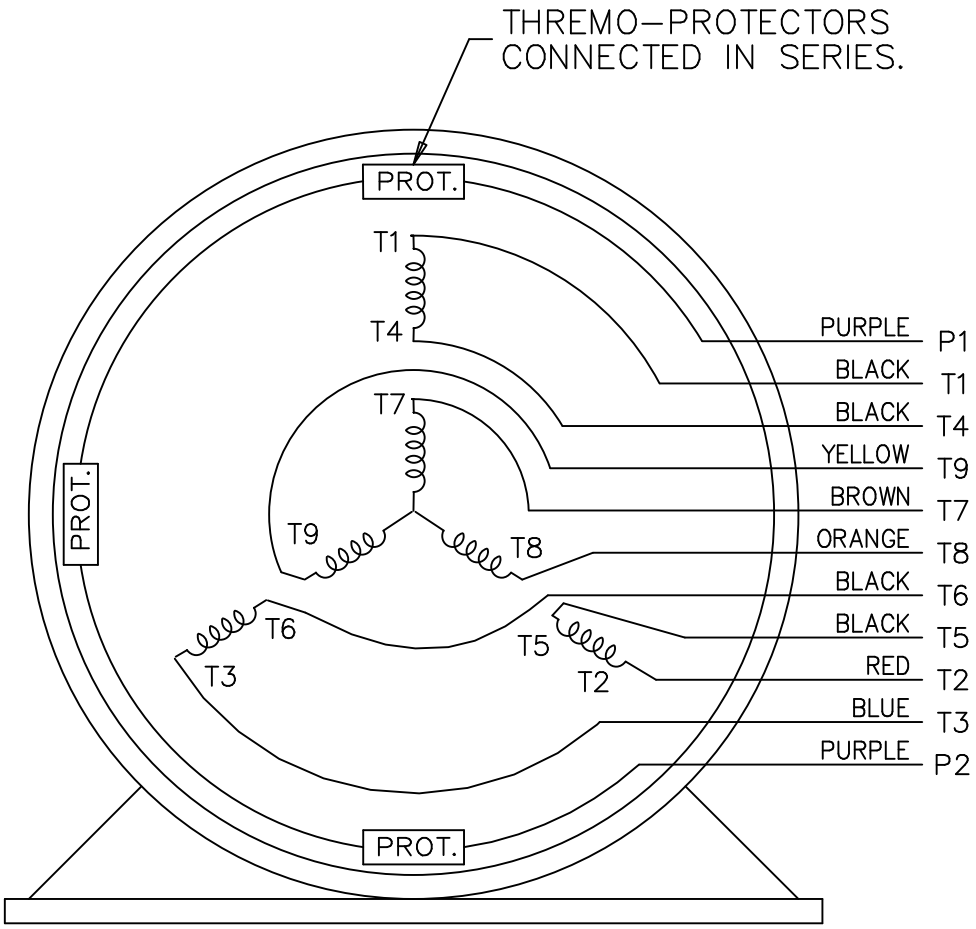
HIGH VOLTAGE



NOTE FOR FACTORY USE ONLY:
TO SURGE TEST FOR COMMON CONNECT:
HIGH VOLT: CONNECT P1 TO T1
THEN P2 TO L1
LOW VOLT: CONNECT P1 TO T1 & T7,
THEN P2 TO L1

LOW VOLTAGE





VIEW OF TERMINAL END

NO.	REVISION	BY & DATE	CHK
2	ADDED COLORS TO "T & P" LEADS CN 40494	MSG 08-08-2006	ML
1	NEW DRAWING	BJK 07-18-2002	DRS

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.02
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

Lincoln MOTORS

TITLE CONNECTION DIAGRAM
3 PHASE – DUAL VOLTAGE MOTOR

MAT'L.

FINISH

CAD FILE ee7308t_ln

RFP

DIST LB

DRAWN BJK 07-16-2002
CHK DRS 07-18-2002
APPD GK 07-18-2002
SCALE 1=1
REF
FMF
PREV

SIZE	DRAWING NO.	PAGE	OF	REV.
A	EE7308T-LN			2

1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-277-8810

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7308T-LN **CAT #:** LM22826
OUTLINE: B-SS601010LN-620
WINDING: K182276 R5 1

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
3	2.2	3600	3480	182TC	TEFC	TFL	J	INC

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	230/460	7.4/3.7	INVERTER ONLY	CONT	F	1.15	40	3300

F.L. EFF	85.5	3/4 LD EFF	85.5	1/2 LD EFF	84.0	GTD EFF	ELECT. TYPE
F.L. PF	88.5	3/4 LD PF	85.5	1/2 LD PF	78.5	82.5	SQ CAGE INV DUTY

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)	
4.5 LB-FT	30.0	11.8 LB-FT 262%	16.0 LB-FT 356%	40	

PRESSURE @ 3	SOUND POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
72 dBA	81 dBA	0.16 LB-FT²	0 LB-FT²	0 SEC.	0	70 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	WATTSAVER

BEARINGS DE	BEARINGS ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL 207	BALL 205	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ALUMINUM

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
TSTATS (N/C)	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
2.327	2.195	7.776	4.957	218.526	0.150	ODE

*
NOTES
*

INVERTER TORQUE: CONSTANT 4:1
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: 9/10/2018

Data Sheet

Date: 9/10/2018

LEESON

LM22826

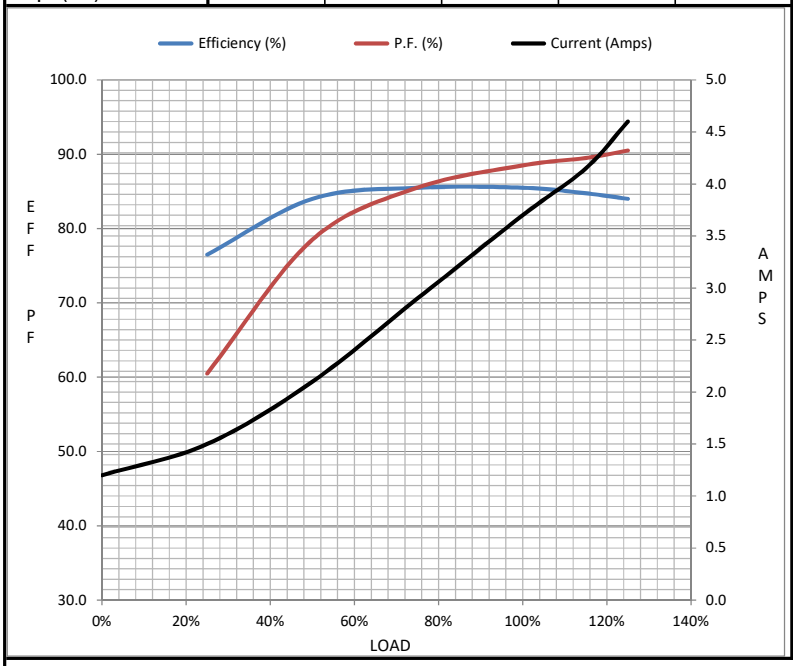
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.20	1.50	2.10	2.90	3.7	4.2	4.6	30.0	
Torque (ft-lb)	0.00	1.10	2.20	3.4	4.5	5.1	5.7	11.8	
RPM	3600	3570	3545	3515	3480	3,466	3445	0	
Efficiency (%)		76.5	84.0	85.5	85.5	84.8	84.0		
P.F. (%)	15.0	60.5	78.5	85.5	88.5	89.5	90.5	50.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1600	2770	3480	3600
Current (Amps)	30.0	26.0	19.5	3.7	1.20
Torque (ft-lb)	11.8	11.2	16.0	4.5	0.00



Information Block

HP	3.0	
Sync. RPM	3600	
Frame	182	
Enclosure	TEFC	
Construction	TFL	
Voltage	230/460	V
Frequency	60	Hz
Design	B	
LR Code letter	J	
Service Factor	1.15	
Temp Rise @ FL	40	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.16	Lb-Ft²
Ref Wdg	K182276 R5	
Sound Pressure @ 1M	72	dBA
VFD Rating	CONSTANT 4:1	
Outline Dwg	B-SS601010LN-620	
Conn. Diag	A-EE7308T-LN	

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
2.3270	2.1950	7.7760	4.9570	218.5260

Speed -Torque Curve