PRODUCT INFORMATION PACKET

Model No: LM34118
Catalog No: LM34118
15 HP Special Voltage Motor, 3 phase, 1800 RPM, 575 V, 254T Frame, ODP
Special Voltage Motors

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Nameplate Specifications

Output HP	**15 Hp**	Output KW	**11.2 kW**
Frequency	**60 Hz**	Voltage	**575 V**
Current	**15.4 A**	Speed	**1770 rpm**
Service Factor	**1.25**	Phase	**3**
Efficiency	**93 %**	Power Factor	**78.5**
Duty	**Continuous**	Insulation Class	**F**
Design Code	**B**	KVA Code	**J**
Frame	**254T**	Enclosure	**Drip Proof**
Thermal Protection	**No**	Ambient Temperature	**40 °C**
Drive End Bearing Size	**6309**	Opp Drive End Bearing Size	**6208**
UL	**Recognized**	CSA	**Y**
CE	**Y**	IP Code	**12**
Number of Speeds	**1**		

Technical Specifications

Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.48 Ohms**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Overall Length	**22.32 in**
Frame Length	**15.45 in**	Shaft Diameter	**1.625 in**
Shaft Extension	**4 in**	Assembly/Box Mounting	**F1/F2 CAPABLE**
Connection Drawing	**EE7300-LN**	Outline Drawing	**SS86503LN-1545**

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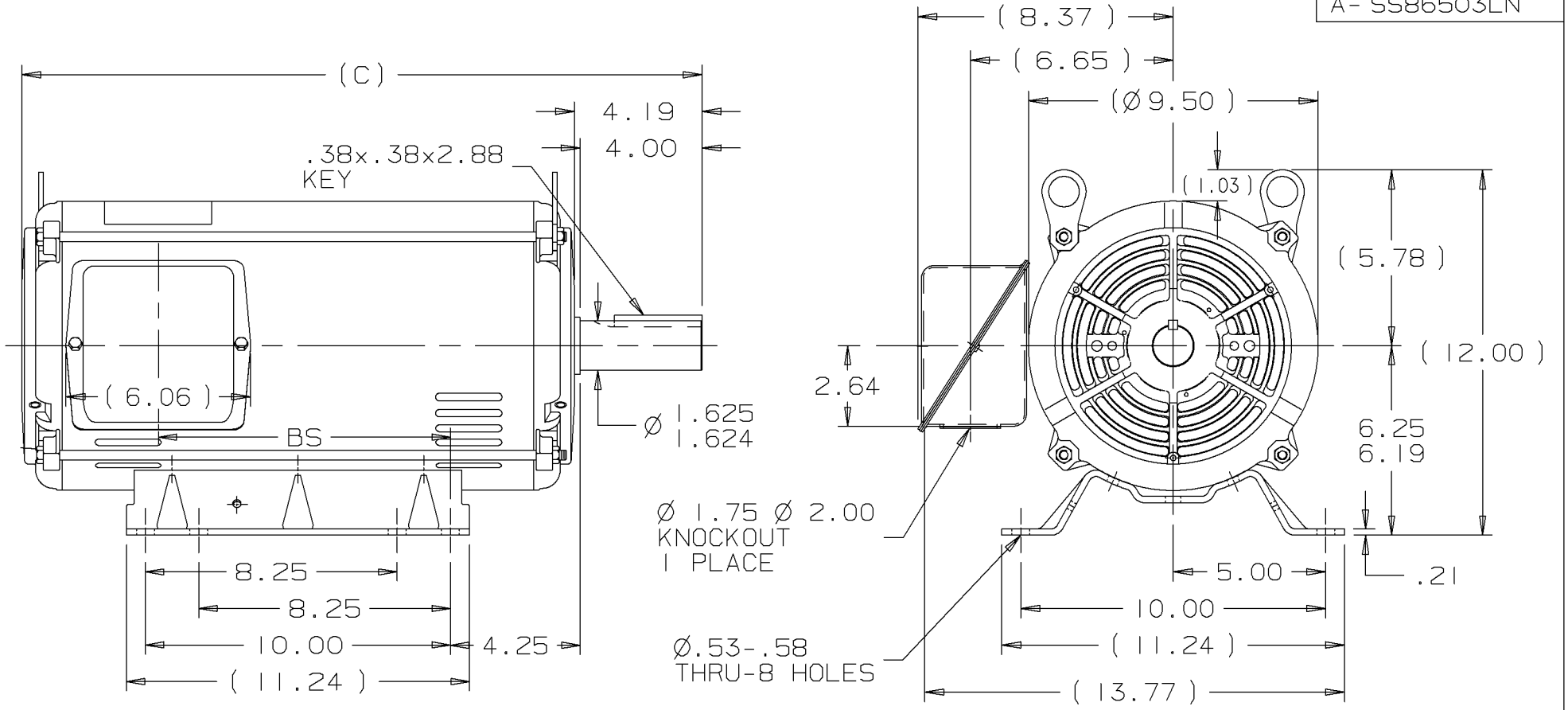
A- SS86503LN



DASH	FR.	C	BS	MOUNTING
1370	254T	20.57	7.68	F1 OR F2
1545	254T/256T	22.32	9.43	F1 OR F2

NOTES:
1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
2. BOX CAN BE MOUNTED IN 90° STEPS.
3. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED.)
4. F2 MOUNT -USES 2ND HOLE ON 1370 FRAME.

REV	DATE	CHANGE	NAME
2	01-31-2000	UPDATED CONDUIT BOX PER CN 28427	TJB
1	07-20-1999	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	07-20-1999
CHKD BY	ML	07-20-1999
APPD BY	GK	07-20-1999

PART NAME OUTLINE
250 FR. - BB - DR.PR.

DRWG NO
A- SS86503LN

L	PURCHASED	CADD FILE NO.	SS86503LN

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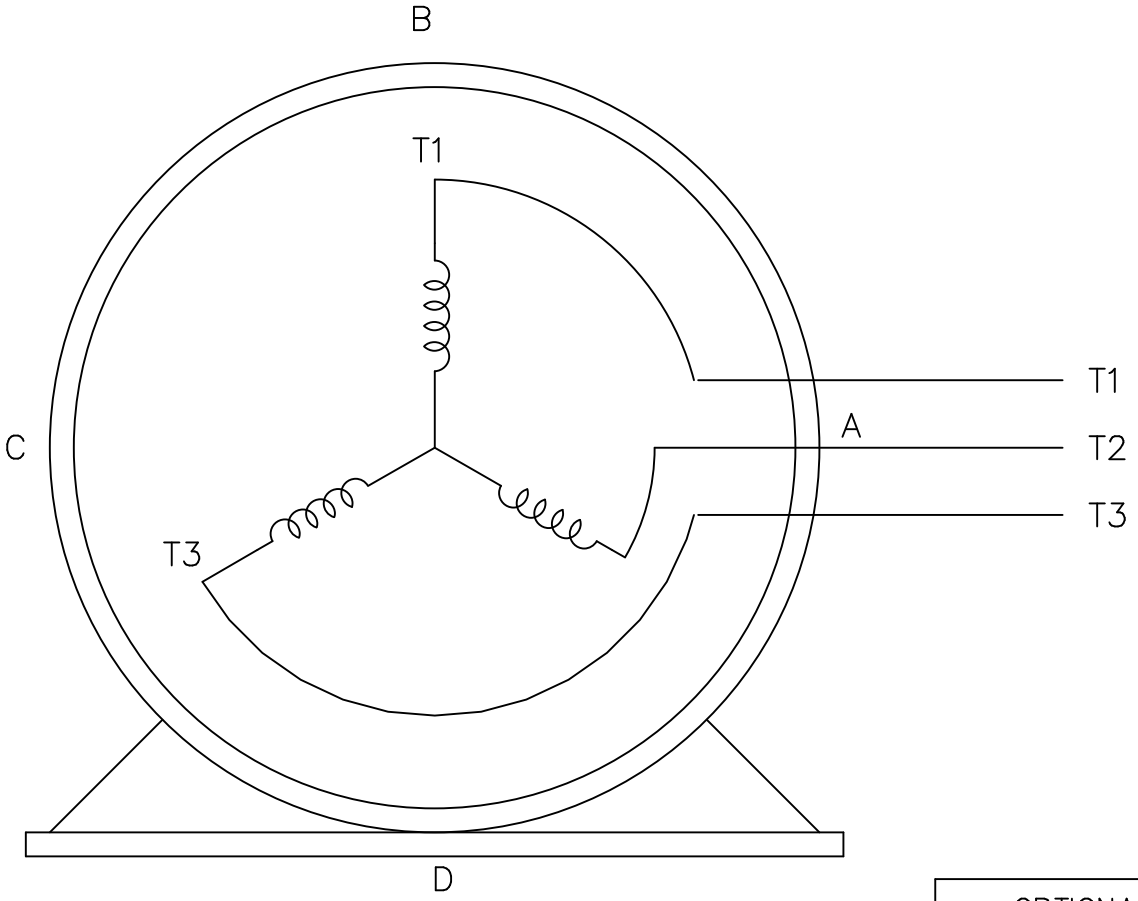
```
ERROR: syntaxerror
OFFENDING COMMAND: --nostringval--

STACK:

/RS
-dictionary-
/Pscript_WinNT_Compat
-dictionary-
```

EE7300-LN

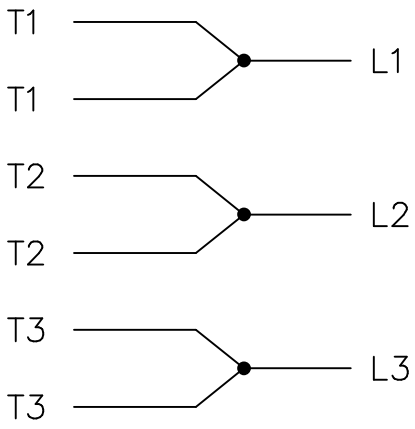
THREE PHASE – SINGLE VOLTAGE
MOTOR – CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS



VIEW OF TERMINAL END

IF MOTOR HAS
6 LEADS



A–9806 DECAL

OPTIONAL CORD CONNECTION

L1	WHITE
L2	RED
L3	BLACK

NO.	REVISION	BY & DATE	CHK
2	ADDED OPTIONAL CORD CONNECTION PER MU47226	CTO 03-31-2004	PJB
1	NEW DRAWING	CTO 08-13-1999	

TOLERANCES UNLESS SPECIFIED

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

Lincoln MOTORS

TITLE CONNECTION DIAGRAM
SINGLE VOLT – 3ø MOTOR

MAT'L.

FINISH

CAD FILE EE7300_LN

RFP

DIST WP

DRAWN	BLR 08-13-1999
CHK	ML 08-13-1999
APPD	GK 08-13-1999
SCALE	1=1
REF	
FMF	
PREV	

SIZE A | DRAWING NO. EE7300-LN | PAGE OF | REV. 2

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DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: EE7300-LN **CAT #:** LM34118
OUTLINE: TBD
WINDING: K2154378 R3 9

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
15	11.2	1800	1770	254T	DP	TDX	J	A

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	575	15.4	ACROSS THE LINE	CONT	F	1.15	40	3300

F.L. EFF	93.0	3/4 LD EFF	93.0	1/2 LD EFF	92.4	GTD EFF	ELECT. TYPE
F.L. PF	78.5	3/4 LD PF	72.0	1/2 LD PF	60.5	91.7	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
44.5 LB-FT	116	135 LB-FT 303%	142 LB-FT 319%	40

PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
70 dBA	79 dBA	1.70 LB-FT²	90 LB-FT²	20 SEC.	2	185 LB.

*** SUPPLEMENTAL INFORMATION ***

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

BEARINGS DE	BEARINGS ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL 6309	BALL 6208	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	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
0.473	0.413	1.713	2.54	37.652	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: Y-(LEESON UL REC)

DATE: 1/30/2018

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Data Sheet

Date: 1/30/2018

LEESON

LM34118

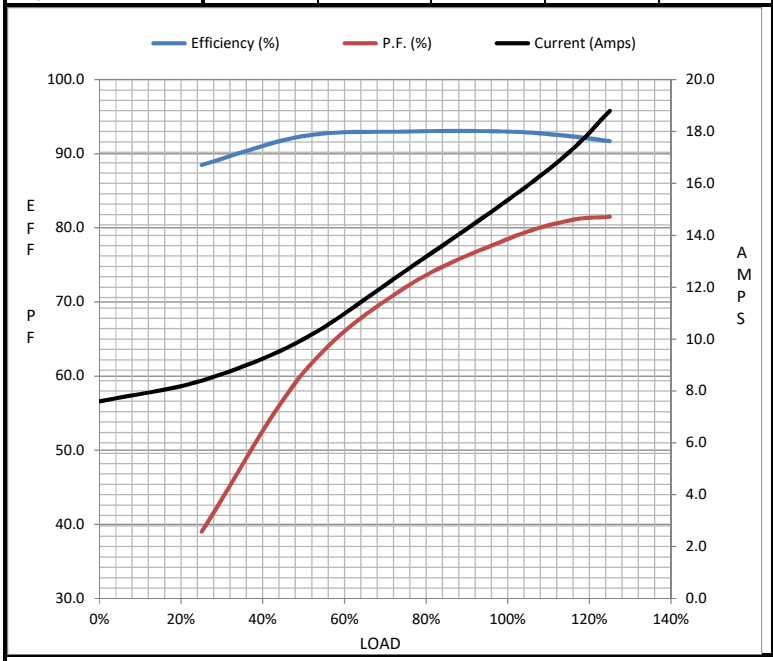
Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	7.6	8.4	10.0	12.6	15.4	17.2	18.8	116	
Torque (ft-lb)	0.00	11.0	22.0	33.2	44.5	51.5	56.0	135	
RPM	1800	1792	1785	1778	1770	1,765	1762	0	
Efficiency (%)		88.5	92.4	93.0	93.0	92.4	91.7		
P.F. (%)	5.0	39.0	60.5	72.0	78.5	81.0	81.5	45.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1525	1770	1800
Current (Amps)	116	104	72.0	15.4	7.6
Torque (ft-lb)	135	125	142	44.5	0.00



Information Block

HP	15.0	
Sync. RPM	1800	
Frame	256	
Enclosure	DP	
Construction	TDX	
Voltage	575	V
Frequency	60	Hz
Design	A	
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	1.70	Lb-Ft²
Ref Wdg	K2154378 R3	
Sound Pressure @ 1M	70	dBA
VFD Rating	NONE	
Outline Dwg	TBD	
Conn. Diag	EE7300-LN	

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.4730	0.4130	1.7130	2.5400	37.6520

Speed -Torque Curve