PRODUCT INFORMATION PACKET

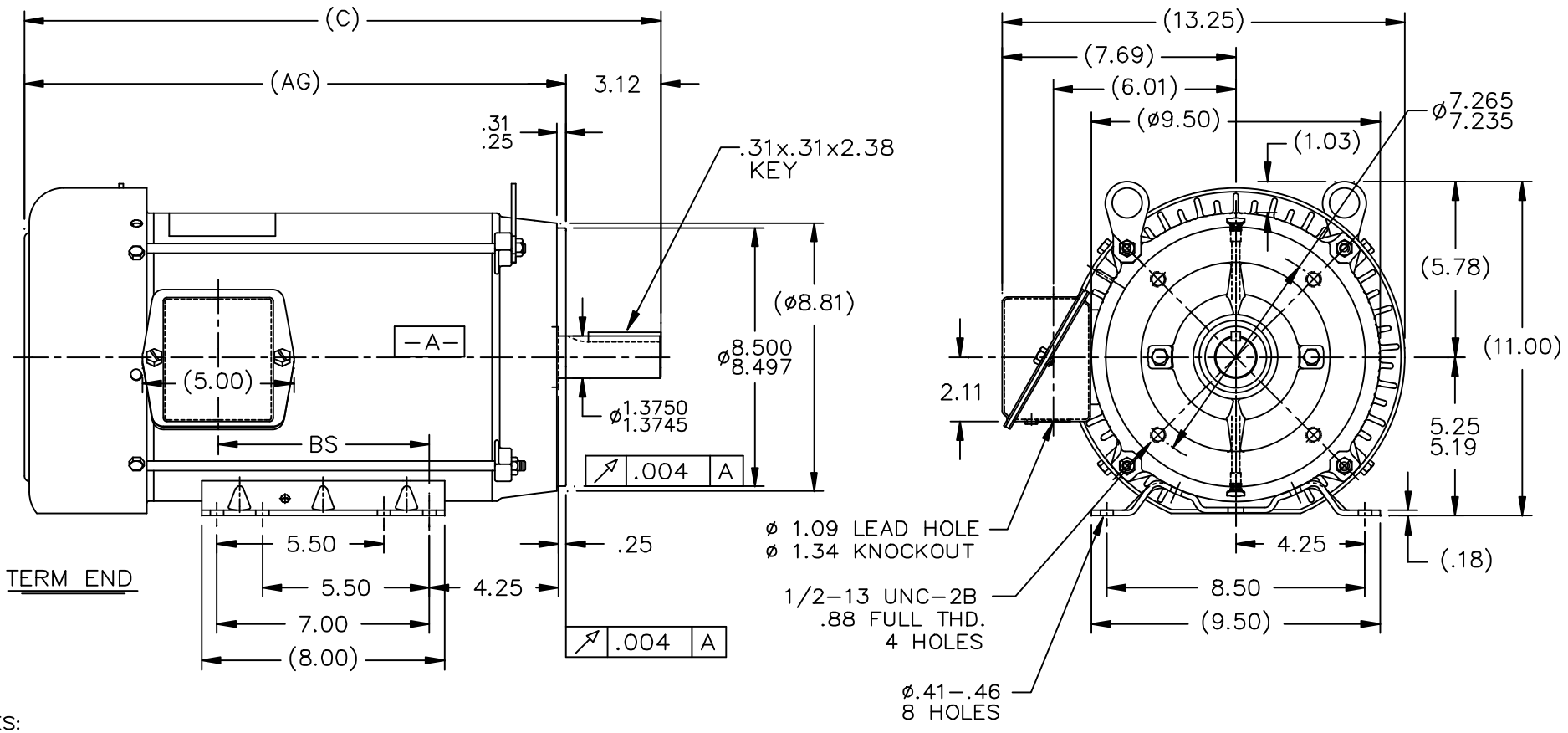
Model No: LM32835
Catalog No: LM32835
General Purpose Motor, 5 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 & 1000 RPM, 215TC Frame, TEFC

Nameplate Specifications

Phase	3	Output HP	5 & 3 Hp
Output KW	3.7 & 2.2 kW	Voltage	230/460 & 190/380 V
Speed	1170 & 980 rpm	Service Factor	1.25 & 1.15
Frame	215TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	90.2 & 90.2 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	14/7 & 11.2/5.6 A	Power Factor	75
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	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	1.65 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	20.97 in
Frame Length	11.15 in	Shaft Diameter	1.375 in
Shaft Extension	3.12 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7308-LN	Outline Drawing	SS86630LN-1115



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.)

DASH	FRAME	C	AG	BS	MOUNTING
965	213T	19.47	16.35	5.43	
1115	213/15T	20.97	17.85	6.93	
1240	213/15T	22.22	19.10	8.18	F1 ONLY

NO.	REVISION	BY & DATE	CHK
3	'BA' DIM. WAS 4.50 ECN 24531	RFH 05/23/2012	EH
2	REDRAWN IN AUTOCAD	RWR 08-03-2004	ML
1	NEW DRAWING	TJB 12-21-1999	ML

TOLERANCES UNLESS SPECIFIED: DEC. / INCHES; .X ±.1; .XX ±.03; .XXX ±.005; .XXXX ±.0005; ANG ±7'30"

Lincoln MOTORS

TITLE OUTLINE
210T FRAME –BB –TS –TEFC –R/S–C'FACE

MAT'L.
FINISH
CAD FILE ss86630ln

DRAWN TJB 12-20-1999
CHK ML 12-20-1999
APPD GK 12-20-1999
SCALE 5=17
REF
FMF
PREV

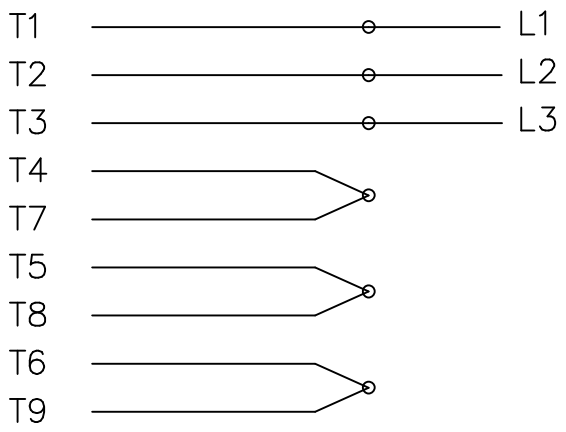
RFP
DIST LB

SIZE B | DRAWING NO. SS86630LN | PAGE 1 OF 1 | REV. 3

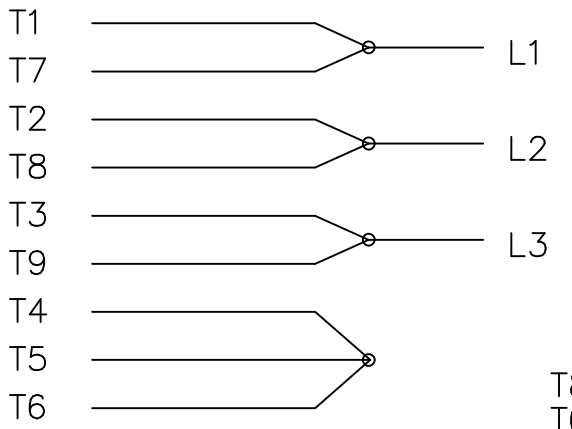
EE7308-LN

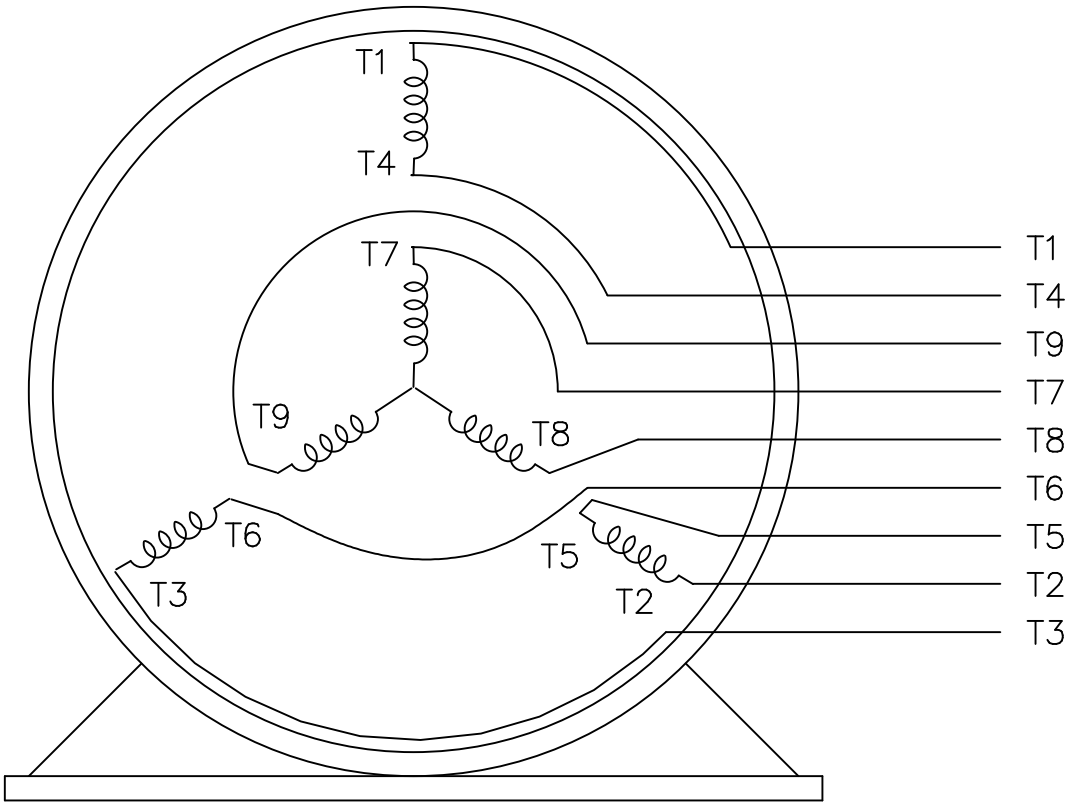
THREE PHASE
DUAL VOLTAGE MOTOR

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

7/19/2007 9:20:15 AM -

LEESON

CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: A-EE7308-LN
OUTLINE: SS86630LN-1115
WINDING #: K2156166 2

CATALOG : LM32835

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5&3	3.70&2.24	1200	1170&980	215TC	TEFC	J	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	14/7&11.2/5.6	ACROSS THE LINE	CONTINUOUS	F4	1.25/1.15	40

FULL LOAD EFF:	90.2&90.2	3/4 LOAD EFF:	90.2	1/2 LOAD EFF:	89.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	75&67	3/4 LOAD PF:	67	1/2 LOAD PF:	55	88.5	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.5 LB-FT	92 / 46	47 LB-FT 209 %	79 LB-FT 351 %	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
55 dBA	65 dBA	1 LB-FT^2	80 LB-FT^2	25 SEC.	2	140 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY - GE

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6309	6206						

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

*

N

O

T

E

S

*

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE NONE
NONE NONE PPR

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

Data Sheet

Date: 1/31/2018

LEESON

LM32835

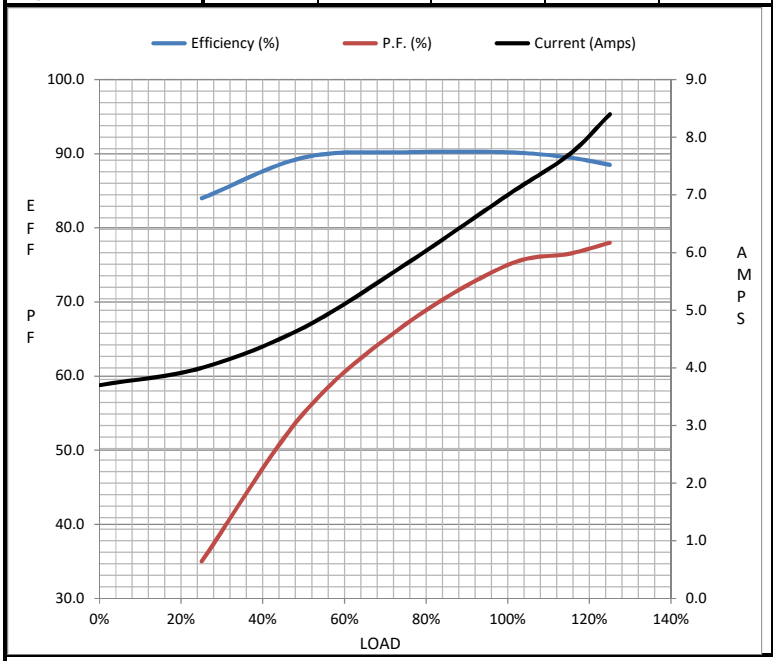
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.7	4.0	4.7	5.8	7.0	7.7	8.4	46.0	
Torque (ft-lb)	0.00	5.5	11.0	16.8	22.5	26.0	28.5	47.0	
RPM	1200	1192	1185	1175	1170	1,165	1160	0	
Efficiency (%)		84.0	89.5	90.2	90.2	89.5	88.5		
P.F. (%)	5.0	35.0	55.0	67.0	75.0	76.5	78.0	41.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	400	1000	1170	1200
Current (Amps)	46.0	40.0	30.0	7.0	3.7
Torque (ft-lb)	47.0	40.0	79.0	22.5	0.00



Information Block

HP	5.0	
Sync. RPM	1200	
Frame	215	
Enclosure	TEFC	
Construction	TFW	
Voltage	230/460#190/380	V
Frequency	60	Hz
Design	B	
LR Code letter	J	
Service Factor	1.15	
Temp Rise @ FL	45	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	1.00	Lb-Ft²
Ref Wdg	K2156166 NONE	
Sound Pressure @ 1M	55	dBA
VFD Rating	NONE	
Outline Dwg	SS86630LN-1115	
Conn. Diag	A-EE7308-LN	

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
1.1360	1.1930	4.4930	4.6860	67.7060

Speed -Torque Curve