PRODUCT INFORMATION PACKET

Model No: LM34240
Catalog No: LM34240
..15/20HP..3600.215T.ODP.230/460V.3PH.60HZ.CONT.40C..RIGID.....ELEVATOR DUTY.....

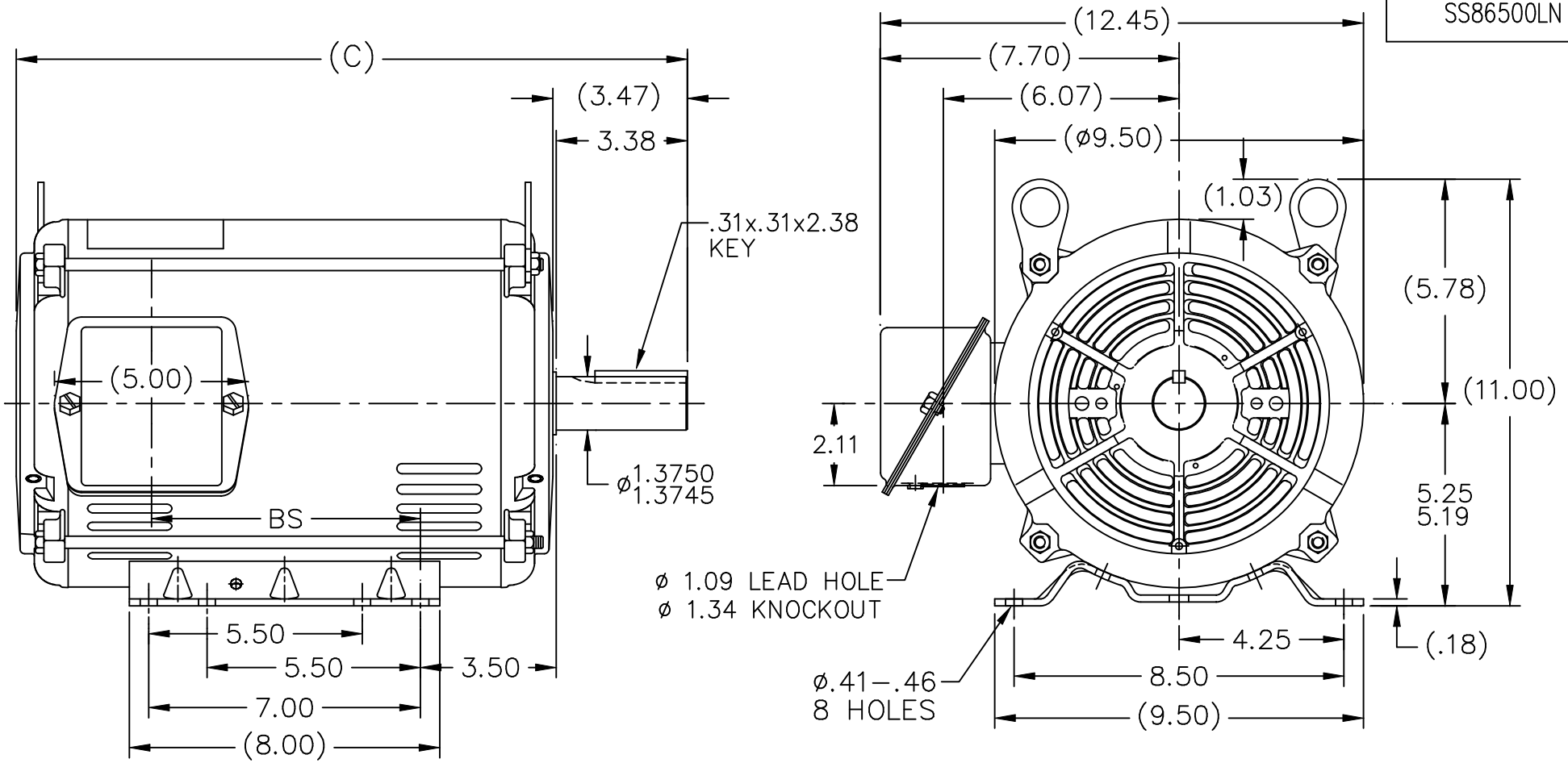
Nameplate Specifications

Phase	3	Output HP	15 Hp
Output KW	11.2 kW	Voltage	230/460 V
Speed	3525 rpm	Service Factor	1.15
Frame	215T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	91 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	36.5/18.2 A	Power Factor	85
Duty	120/80 Starts/Hour	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	307	Opp Drive End Bearing Size	206
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	2	Rotation	Reversible
Resistance Main	.906 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS86500-1115	Connection Drawing	005517.01

SS86500LN



DASH	FR.	C	BS	MOUNTING
965	213T	15.79	5.43	
1115	213/15T	17.29	6.93	
1240	213/15T	18.54	8.18	F1 ONLY

NOTES:
1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
2. BOX CAN BE MOUNTED IN 90° STEPS.
3. BOX WILL BE AT OPPOSITE SIDES IN F2 MOUNTING.
4. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED.)

NO.	REVISION	BY & DATE	CHK
5	REISSUE – REVISED BORDER TO LINCOLN LOGO	MSG 11-04-2004	ML
4	REMOVED DASH 965 FROM SERIES CN38252	RWR 07-20-2004	ML
3	UPDATED 'C' DIMS PER ACTUAL PARTS CN29200-320	CAV 04-11-2000	ML
2	UPDATED 'C'BOX GEOMETRY CN28425	DRS 01-25-2000	ML
1	NEW DRAWING	TRB 07-20-1999	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 –DR.PR.

MAT'L.

FINISH

CAD FILE ss86500ln

RFP

DIST LB

DRAWN TRB 07-14-1999
CHK ML 07-20-1999
APPD GK 07-20-1999
SCALE 1=4
REF
FMF
PREV

SIZE A | DRAWING NO. SS86500LN | PAGE 1 OF 1 | REV. 5

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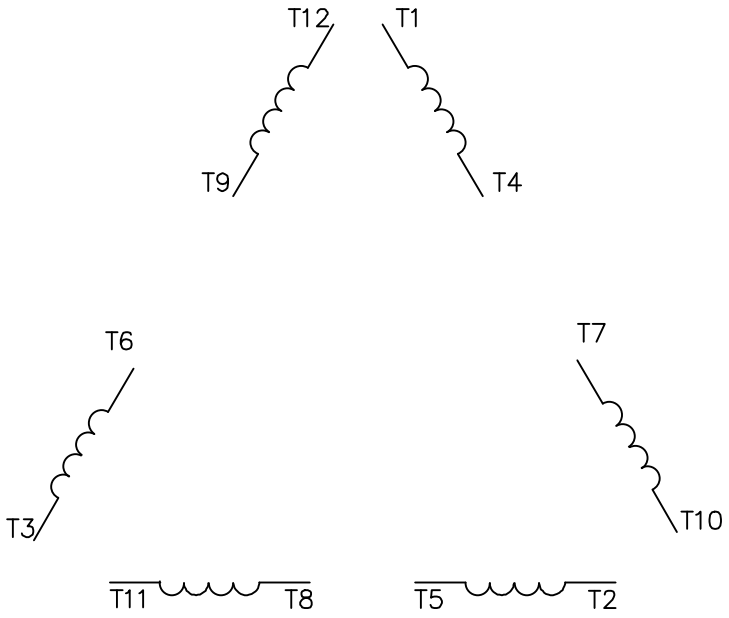
005517–01ME

ROTATION CAN BE REVERSED BY
INTERCHANGING ANY TWO LINE LEADS



HIGH VOLTAGE

START (1Y) – RUN (1D) CONNECTION				
	LINE 1	LINE 2	LINE 3	JOIN & INSULATE
START (1Y)	T1	T2	T3	(T4,T7) (T5,T8)(T6,T9) (T10,T11,T12)
RUN (1D)	T1,T12	T2,T10	T3,T11	(T4,T7) (T5,T8) (T6,T9)

LOW VOLTAGE

START (2Y) – RUN (2D) CONNECTION				
	LINE 1	LINE 2	LINE 3	JOIN & INSULATE
START (2Y)	T1,T7	T2,T8	T3,T9	(T4,T5,T6) (T10,T11,T12)
RUN (2D)	T1,T6 T7,T12	T2,T4 T8,T10	T3,T5 T9,T11	△

NO.	REVISION	BY & DATE	CHK
01	TABLES MARKED FOR LOW & HIGH VOLT, ADDED DECAL#	JD 11/10/2011	AK

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

MARATHON ELECTRIC

TITLE: EXT. WIRING DIAGRAM
WYE START DELTA RUN

MAT'L. DECAL–081378

FINISH

RFP

CAD FILE 00551701ME

DIST

DRAWN	YS 05/14/08
CHK	
APPD	KJH 05/14/08
SCALE	1=1
REF	00417201 & 00502001
FMF	
PREV	

SIZE A | DRAWING NO. 005517–01ME | REV. 01

Data Sheet

Date: 8/20/2024
Customer:
Attention:
Submitted by: VESHNU G

marathon® WEG Group

LM34240

Submittal

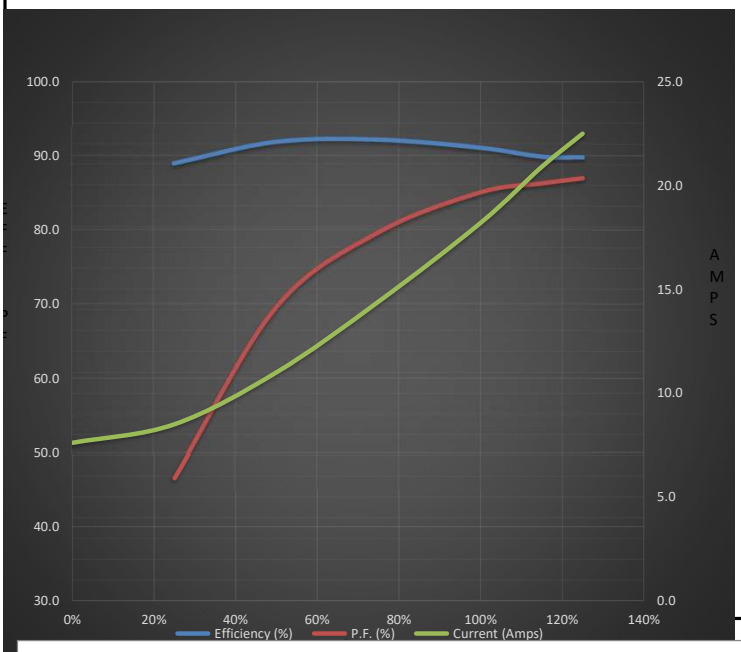
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	7.6	8.5	11.0	14.4	18.2	20.9	22.5	116	
Torque (ft-lb)	-	5.5	11.1	16.7	22.4	25.9	28.1	41.8	
RPM	3600	3583	3545	3545	3525	3,508	3502	0	
Efficiency (%)		88.9	91.8	92.1	91.0	89.8	89.7		
P.F. (%)	5.0	46.5	69.5	79.6	85.0	86.2	86.9	39.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	650	3060	3525	3600
Current (Amps)	116	115	75.0	18.2	7.6
Torque (ft-lb)	41.8	40.0	62.9	22.4	0.00



Information Block

HP	15.0	
Sync. RPM	3600	
Frame	215	
Enclosure	DP	
Construction	TDR	
Voltage	230/460#230/460	V
Frequency	60	Hz
Design	B	
LR Code letter	G	
Service Factor	1.15	
Temp Rise @ FL	40	° C
Duty	CONT	
Ambient	40	° C
Elevation	3,300	feet
Rotor/Shaft wk²	0.50	Lb-Ft²
Ref Wdg	K2152225 NONE	
Sound Pressure @ 1M	75	dBA
VFD Rating	NONE	
Outline Dwg	SS86500-1115	
Conn. Diag	005517.01	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.5580	0.3210	1.3200	0.8640	34.2080

Speed -Torque Curve