# PRODUCT INFORMATION PACKET

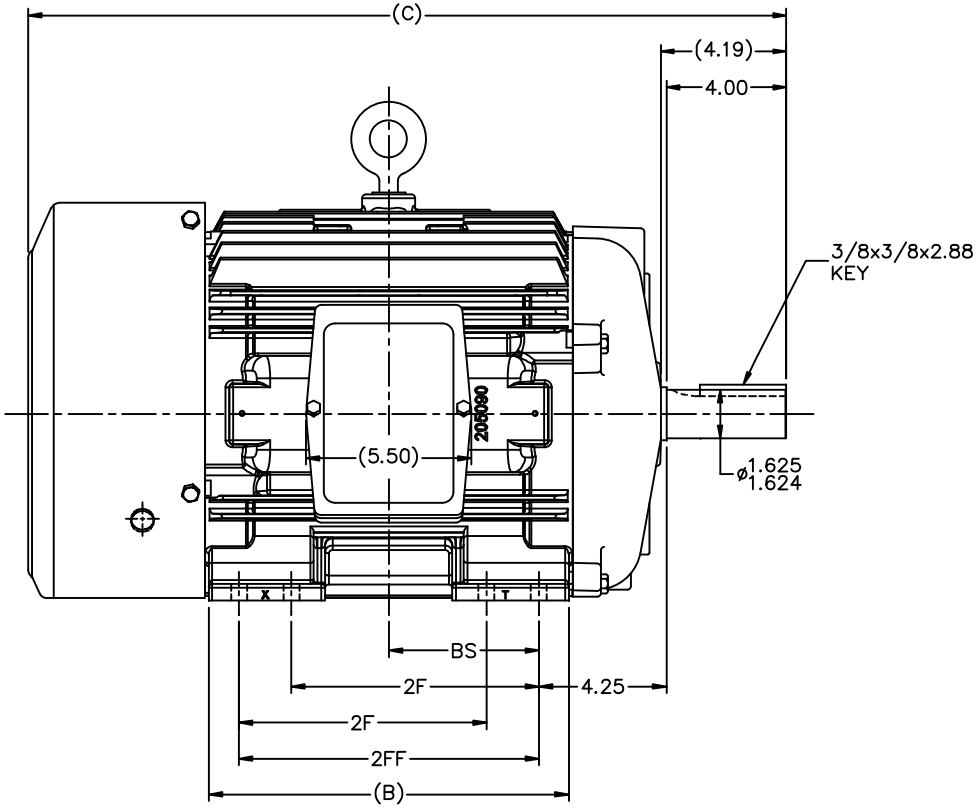
Model No: LM16510
Catalog No: LM16510
OBSOLETE - - 20,3600,TEFC,256T,3/60/230/460

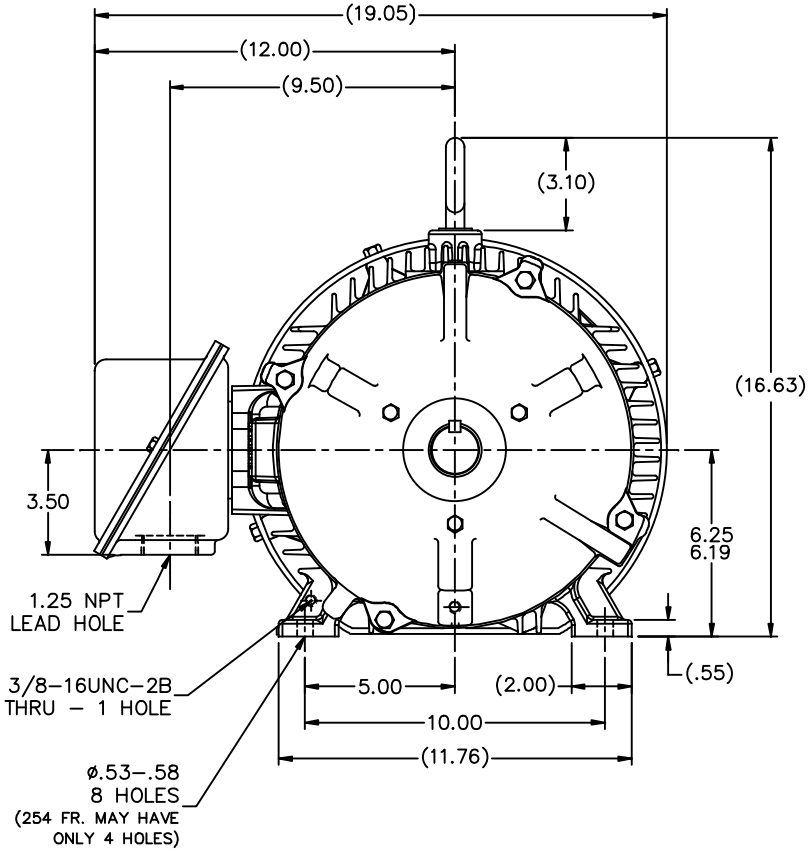
## Nameplate Specifications

| | | | |
|---|---|---|---|
| Phase | 3 | Output HP | 20 & 20 Hp |
| Output KW | 14.9 & 14.9 kW | Voltage | 230/460 & 208/415 V |
| Speed | 3530 & 2915 rpm | Service Factor | 1.15 & 1.0 |
| Frame | 256T | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No Protection | Efficiency | 90.2 & 90.2 % |
| Ambient Temperature | 40 °C | Frequency | 60 & 50 Hz |
| Current | 47/23.5 & 52/26 A | Power Factor | 87.5 |
| Duty | Continuous | Insulation Class | F |
| Design Code | B | KVA Code | G |
| Drive End Bearing Size | 309 | Opp Drive End Bearing Size | 210 |
| UL | Recognized | CSA | Y |
| CE | Y | IP Code | 54 |
| Number of Speeds | 1 | | |

## Technical Specifications

| | | | |
|---|---|---|---|
| Electrical Type | Squirrel Cage Induction Run | Starting Method | Across The Line |
| Poles | 2 | Rotation | Reversible |
| Resistance Main | .398 Ohms | Mounting | Rigid Base |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Cast Iron |
| Shaft Type | T | Assembly/Box Mounting | F1/F2 CAPABLE |
| Outline Drawing | B-SS203002LN-1225 | Connection Drawing | A-EE7308-LN |




NOTES:
1. BOX CAN BE ROTATED ON ITS AXIS.
2. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

(B–SS200158)

| DASH | FRAME | C | B | 2F | 2FF | BS |
|---|---|---|---|---|---|---|
| 1050 | 254T | 23.52 | 10.25 | 8.25 | --- | 4.12 |
| 1225 | 256T | 25.27 | 12.00 | 8.25 | 10.00 | 5.00 |

| NO. | REVISION | BY & DATE | CHK |
|---|---|---|---|
| 2 | UPDATED TO NEW FRAME DESIGN MU109591 | MSG 09-07-2012 | BW |
| 1 | NEW DRAWING MU30201 | CAV 04-14-2000 | |

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

Lincoln MOTORS

TITLE OUTLINE – TEFC 250T FR. –BB –TS –STD.

DRAWN CAV 04-14-2000
CHK DRS 04-14-2000
APPD TB 04-14-2000
SCALE 5=18
REF
MAT'L.
FMF
FINISH
PREV

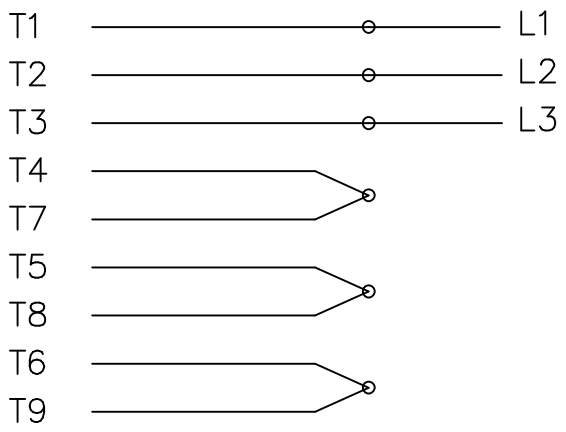
RFP 04-14-2000
DIST LB
CAD FILE ss203002ln

SIZE B | DRAWING NO. SS203002LN | PAGE 1 OF 1 | REV. 2

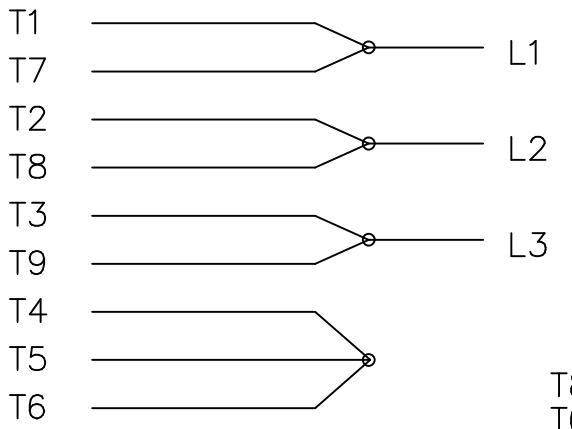
EE7308-LN

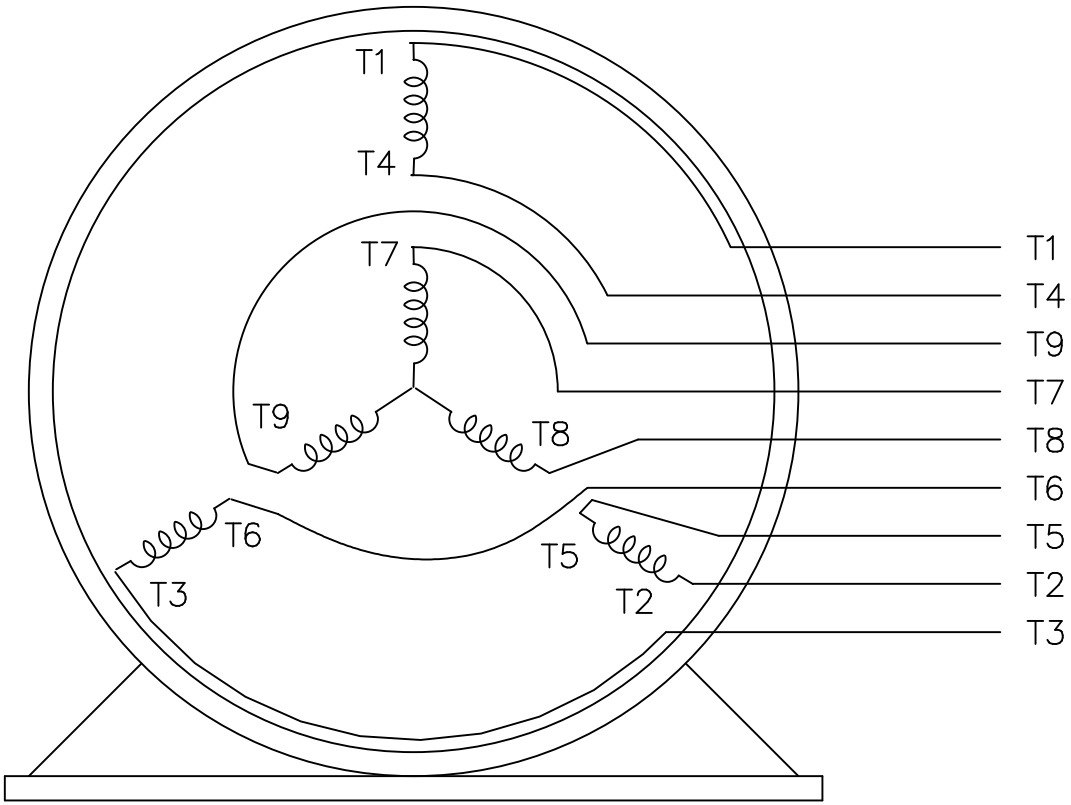
# THREE PHASE
# DUAL VOLTAGE MOTOR

## 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 | DRAWING NO. PAGE OF | REV. |
|---|---|---|
| A | EE7308-LN | 3 |



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