# PRODUCT INFORMATION PACKET

Model No: 171595.00
Catalog No: 171595.00
General Purpose Motor, 60 & 50 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM, 364TC Frame, TEFC

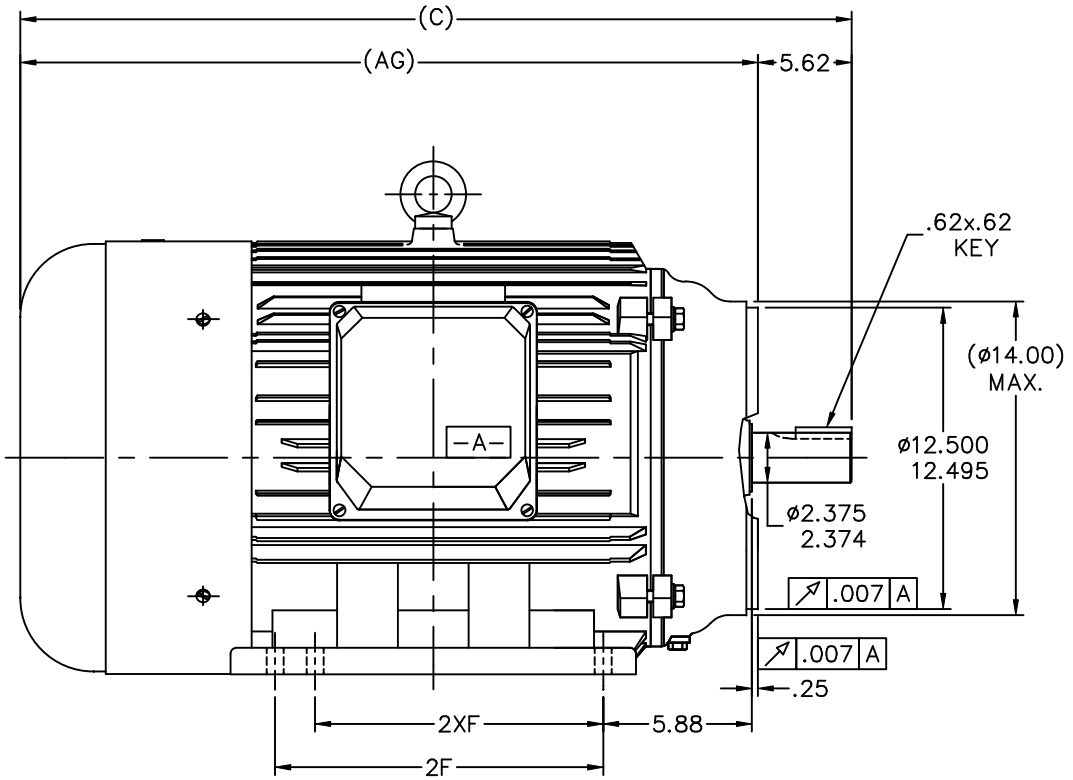
## Nameplate Specifications

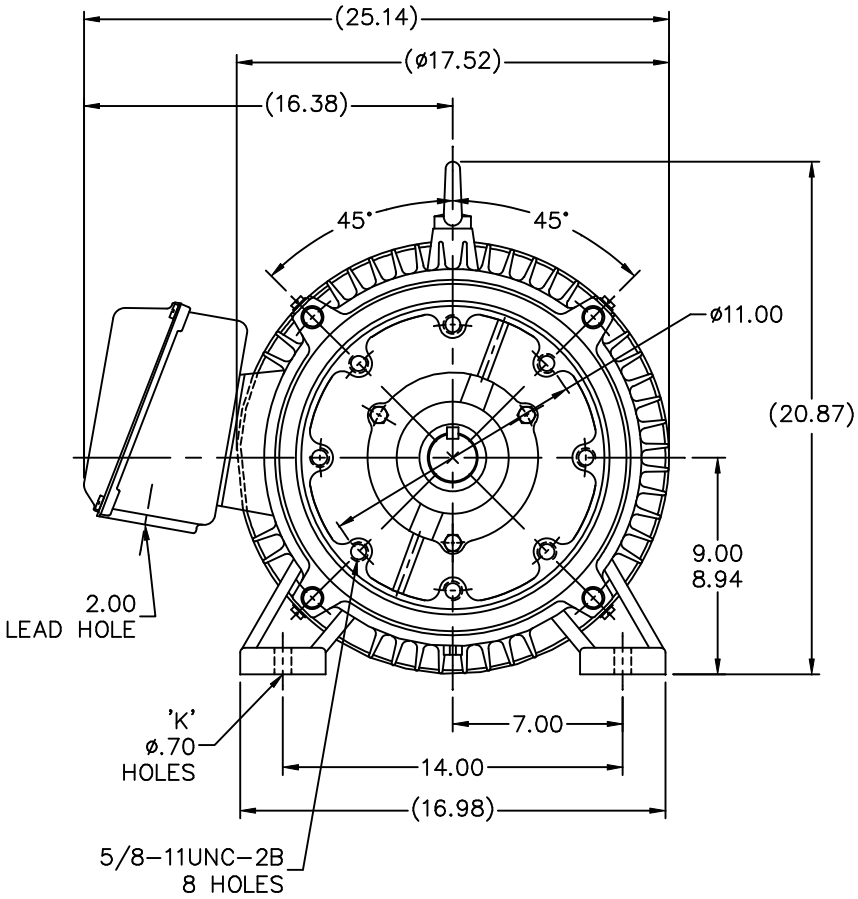
| | | | |
|---|---|---|---|
| Phase | 3 | Output HP | 60 & 50 Hp |
| Output KW | 45.0 & 37.0 kW | Voltage | 208-230/460 & 190/380 V |
| Speed | 1790 & 1490 rpm | Service Factor | 1.25 & 1.25 |
| Frame | 364TC | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No Protection | Efficiency | 95.4 & 95 % |
| Ambient Temperature | 40 °C | Frequency | 60 & 50 Hz |
| Current | 147-139/69.5 & 140/70 A | Power Factor | 84.5 |
| Duty | Continuous | Insulation Class | F |
| Design Code | B | KVA Code | G |
| Drive End Bearing Size | 6313 | Opp Drive End Bearing Size | 6313 |
| UL | Recognized | CSA | N |
| CE | N | IP Code | 43 |
| Number of Speeds | 1 | | |

## Technical Specifications

| | | | |
|---|---|---|---|
| Electrical Type | Squirrel Cage Inverter Rated | Starting Method | Wye Start Delta Run Or Inverter |
| Poles | 4 | Rotation | Reversible |
| Resistance Main | .06 Ohms | Mounting | Rigid Base |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Cast Iron |
| Shaft Type | T | Overall Length | 32.64 in |
| Shaft Diameter | 2.375 in | Shaft Extension | 5.88 in |
| Assembly/Box Mounting | F1/F2 CAPABLE | Inverter Load | CONSTANT 10:1 |
| Outline Drawing | SS622047LE | Connection Drawing | 004172.01 |

SS622047LE




NOT DRAWN TO SCALE

| DASH | FRAME | C | AG | B | 2F | 2XF | K | BS |
|---|---|---|---|---|---|---|---|---|
| --- | N364TC-4 | 32.64 | 27.02 | --- | 11.25 | --- | 4 | --- |
| --- | N365TC-4 | 33.62 | 28.00 | --- | 12.25 | 11.25 | 6 | --- |

| NO. | REVISION | BY & DATE | CHK |
|---|---|---|---|
| | | | |

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THIS IS AN ELECTRONICALLY GENERATED DOCUMENT – DO NOT SCALE THIS PRINT

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

RFP
DIST WA

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE OUTLINE
364/5TC FRAME – C'FACE

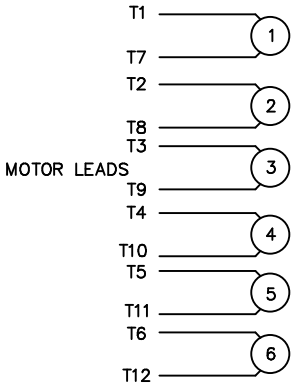
MAT'L.
FINISH
CAD FILE ss622047le

| | |
|---|---|
| DRAWN | MSG 08-11-2005 |
| CHK | ML 08-12-2005 |
| APPD | LMC 08-24-2005 |
| SCALE | 1=1 |
| REF | |
| FMF | |
| PREV | 250015110-20 |

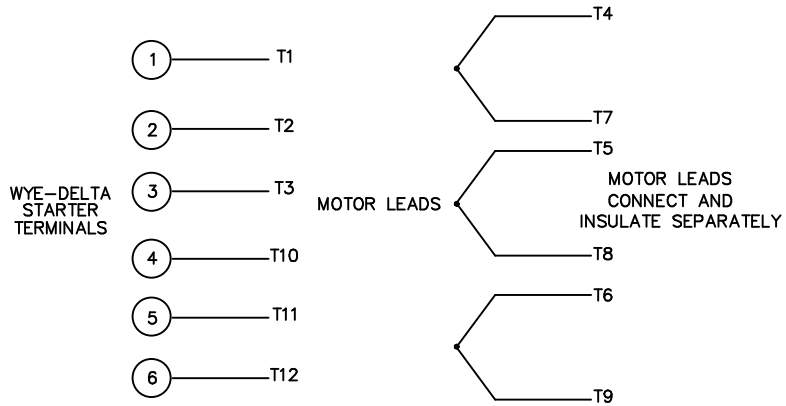
| SIZE | DRAWING NO. | PAGE | OF | REV. |
|---|---|---|---|---|
| B | SS622047LE | | | |

## WYE – DELTA STARTING USEABLE ON 2,4 AND 6 POLE MOTORS.

### LOW VOLTAGE CONNECTION

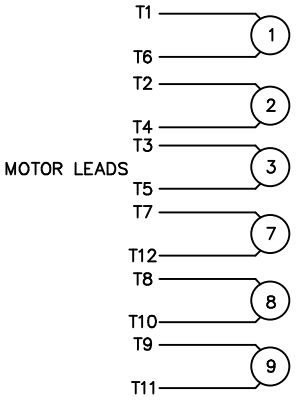



### HIGH VOLTAGE CONNECTION




REFER TO THE WYE–DELTA STARTER CONNECTION INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

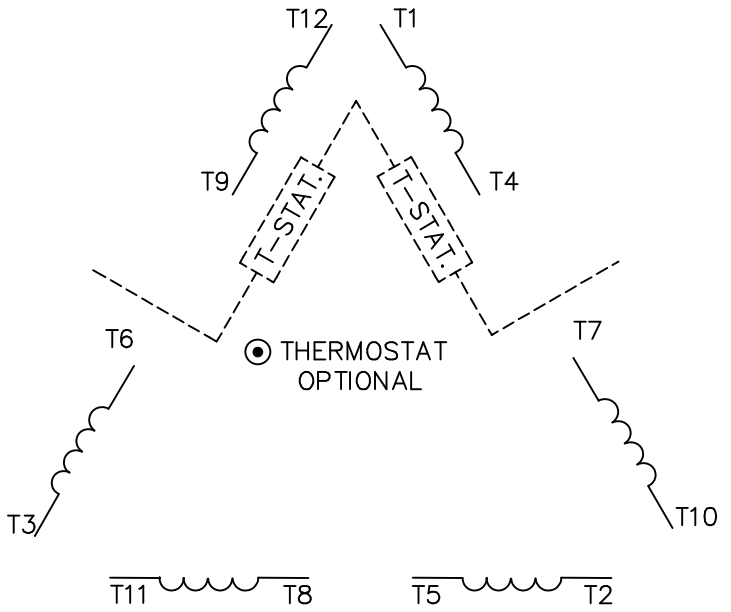
## PART WINDING START USABLE ON 4 & 6 POLE MOTORS
LOW VOLTAGE CONNECTION ONLY




REFER TO THE PART WINDING STARTER INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

REFER TO THE CUTLER – HAMMER OR EQUIV. FOR PROPER SELECTION OF OVERLOAD HEATER COILS.

## LINE LEADS




ROTATION CAN BE REVERSED BY INTERCHANGING ANY TWO LINE LEADS

⦿ RED LEADS OR P1, P2, FOR N/C THERMOSTAT

ACROSS THE LINE START & RUN

| | LINE 1 | LINE 2 | LINE 3 | JOIN & INSULATE SEPARATELY |
|---|---|---|---|---|
| HIGH VOLT | T1,T12 | T2,T10 | T3,T11 | (T4,T7) (T5,T8) (T6,T9) |
| LOW VOLT | T1,T6 T7,T12 | T2,T4 T8,T10 | T3,T5 T9,T11 | |

| NO. | REVISION | BY & DATE | CHK |
|---|---|---|---|
| 03 | REV'D LOW VOLTAGE CONN. LEADS PER ELEC. | BJB 06/07/00 | |
| 02 | ADDED T–STAT. NOTES PER ELECTRICAL | KMM 06/02/98 | |
| 01 | REDRAWN TO CAD | DBT 06/02/97 | |

TOLERANCES UNLESS SPECIFIED

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

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE DELTA – WYE CONNECTION DIAGRAM

MAT'L.

FINISH

CAD FILE 00417201

RFP

DIST

| | |
|---|---|
| DRAWN | WLW 09/08/77 |
| CHK | RPB 09/12/77 |
| APPD | JCW 09/12/77 |
| SCALE | 1=1 |
| REF | |
| FMF | |
| PREV | |

SIZE A | DRAWING NO. 004172–01 | REV. 03



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