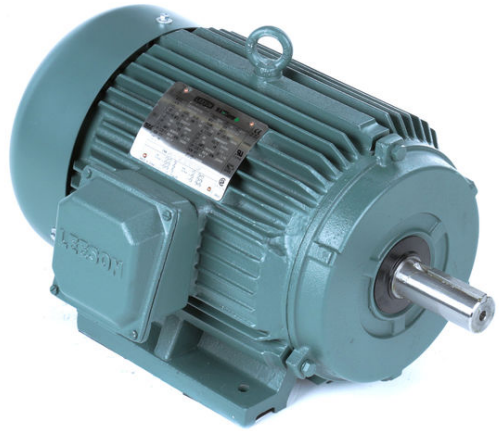
# PRODUCT INFORMATION PACKET

Model No: 170615.00
Catalog No: 170615.00
General Purpose Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 3600 & 3000 RPM, 215T Frame, TEFC

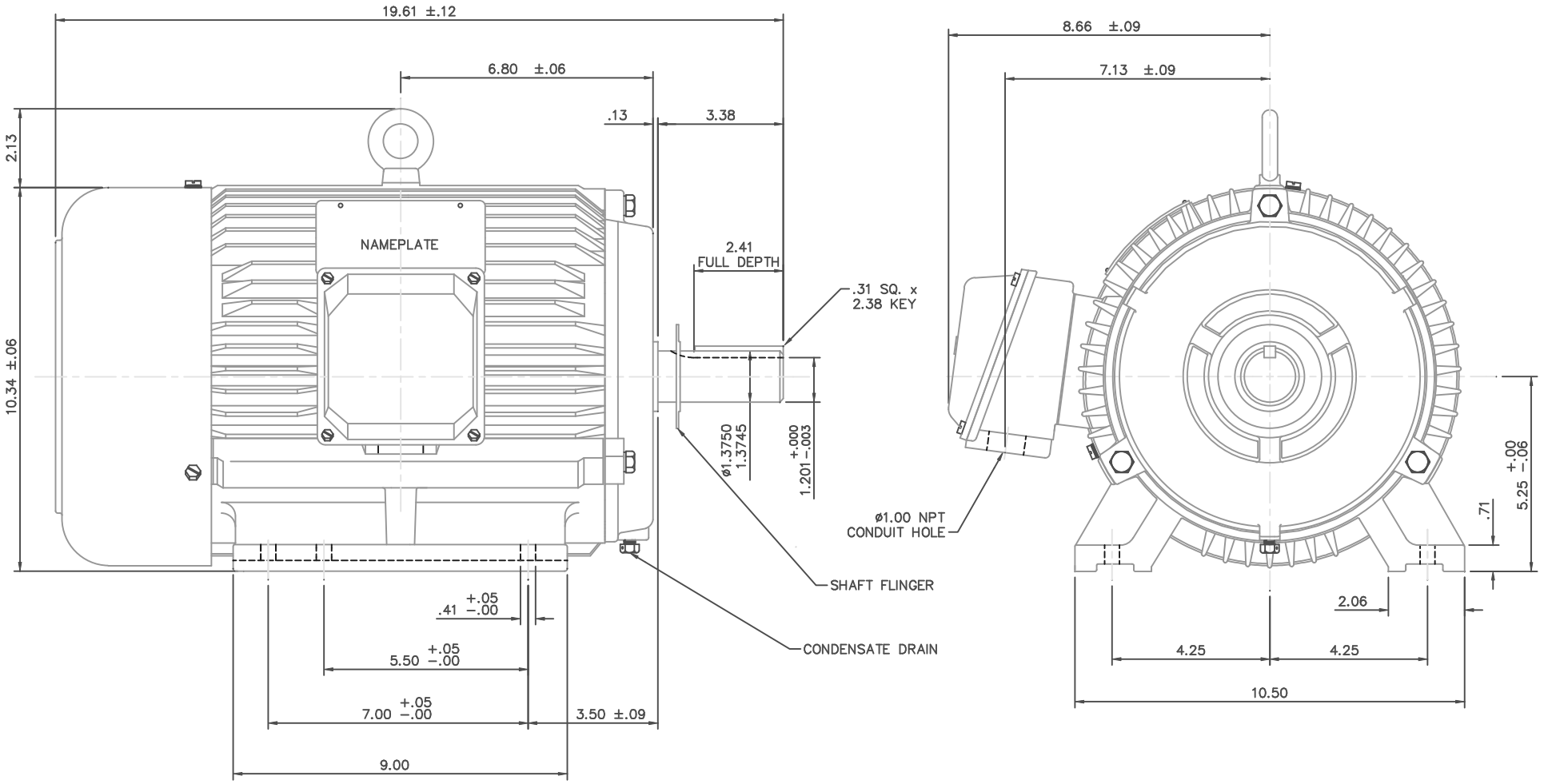


## Nameplate Specifications

| | | | |
|---|---|---|---|
| Phase | 3 | Output HP | 15 & 10 Hp |
| Output KW | 11.2 & 7.5 kW | Voltage | 208-230/460 & 190/380 V |
| Speed | 3520 & 2945 rpm | Service Factor | 1.15 & 1.15 |
| Frame | 215T | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No Protection | Efficiency | 91.7 & 91.7 % |
| Ambient Temperature | 40 °C | Frequency | 60 & 50 Hz |
| Current | 38.5-35/17.5 & 29/14.5 A | Power Factor | 86.5 |
| Duty | Continuous | Insulation Class | F |
| Design Code | B | KVA Code | G |
| Drive End Bearing Size | 6308 | Opp Drive End Bearing Size | 6306 |
| UL | Recognized | CSA | Y |
| CE | Y | IP Code | 43 |
| Number of Speeds | 1 | | |

## Technical Specifications

| | | | |
|---|---|---|---|
| Electrical Type | Squirrel Cage Inverter Rated | Starting Method | Line Or Inverter |
| Poles | 2 | Rotation | Reversible |
| Resistance Main | .5505 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 | 19.61 in |
| Shaft Diameter | 1.375 in | Shaft Extension | 3.38 in |
| Assembly/Box Mounting | F1/F2 CAPABLE | | |
| Outline Drawing | 16953660 | Connection Drawing | 004172.01 |

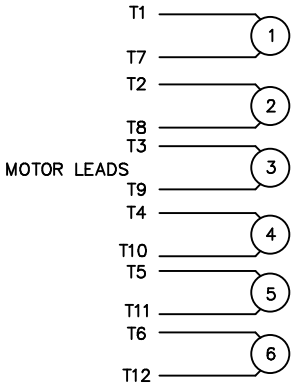



| | | | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | LEESON ELECTRIC CORPORATION | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | DEC. | INCHES | METRIC | | | |
| | | | | .X | ±.1 | ±2.5 | DRAWN DRZ 03/19/01 | TITLE | OUTLINE – 215T FRAME<br>TEFC – RIGID MOUNT, NEW CON-BOX |
| | | | | .XX | ±.03 | ±.76 | APPR. | | |
| 01 | REDRAWN TO CURRENT CAD STANDARDS | CJK 9/17/01 | | .XXX | ±.005 | ±.127 | R.F.P. | MAT'L. | CAST IRON |
| NO. | REVISION | BY & DATE | CH'K'D. | .XXXX | ±.0005 | ±.0127 | SCALE 3=8 | | |
| THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED<br>THIS IS AN ELECTRONICALLY GENERATED DOCUMENT – DO NOT SCALE THIS PRINT | | | | FRACTIONS | ±1/64 | | REF. 169501 | FINISH | HEBEI |
| | | | | ANGLES | ±1/2° | | FMF | REV. | 01 |
| | | | | | | | | DRAWING NO. | 169536-60 |

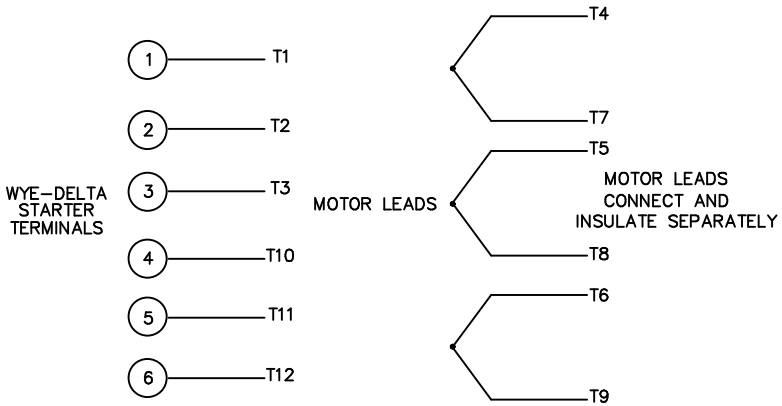
004172-01

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

### LOW VOLTAGE CONNECTION

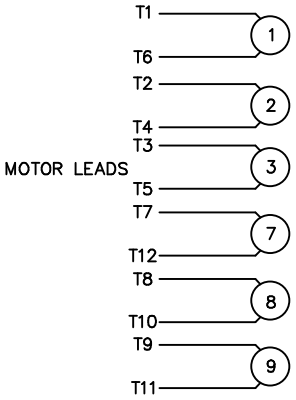



### HIGH VOLTAGE CONNECTION




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

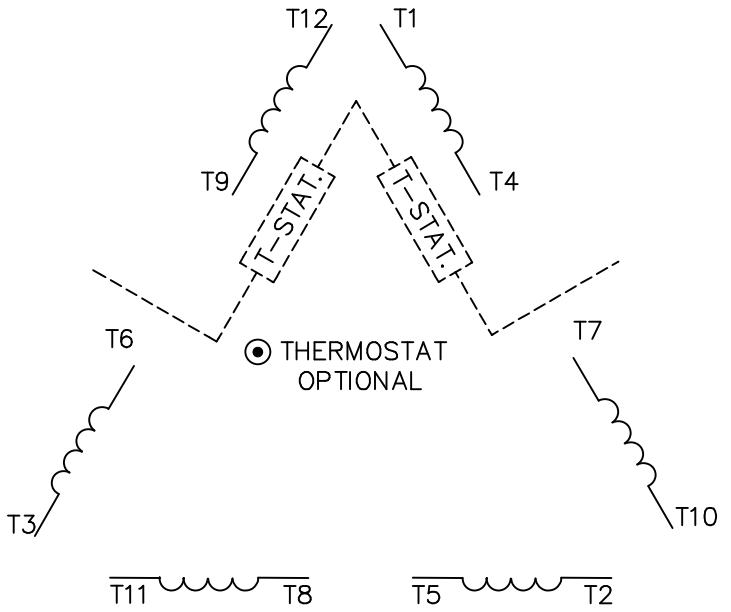
## PART WINDING START USABLE ON 4 & 6 POLE MOTORS
LOW VOLTAGE CONNECTION ONLY




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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