

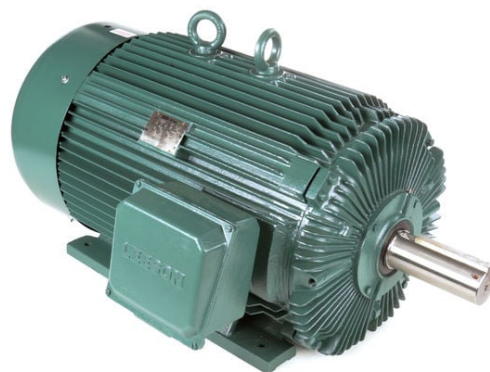
PRODUCT INFORMATION PACKET



Model No: 170624.00

Catalog No: 170624.00

General Purpose Motor, 250 & 200 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 & 1500 RPM,
447/449T Frame, TEFC



Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E



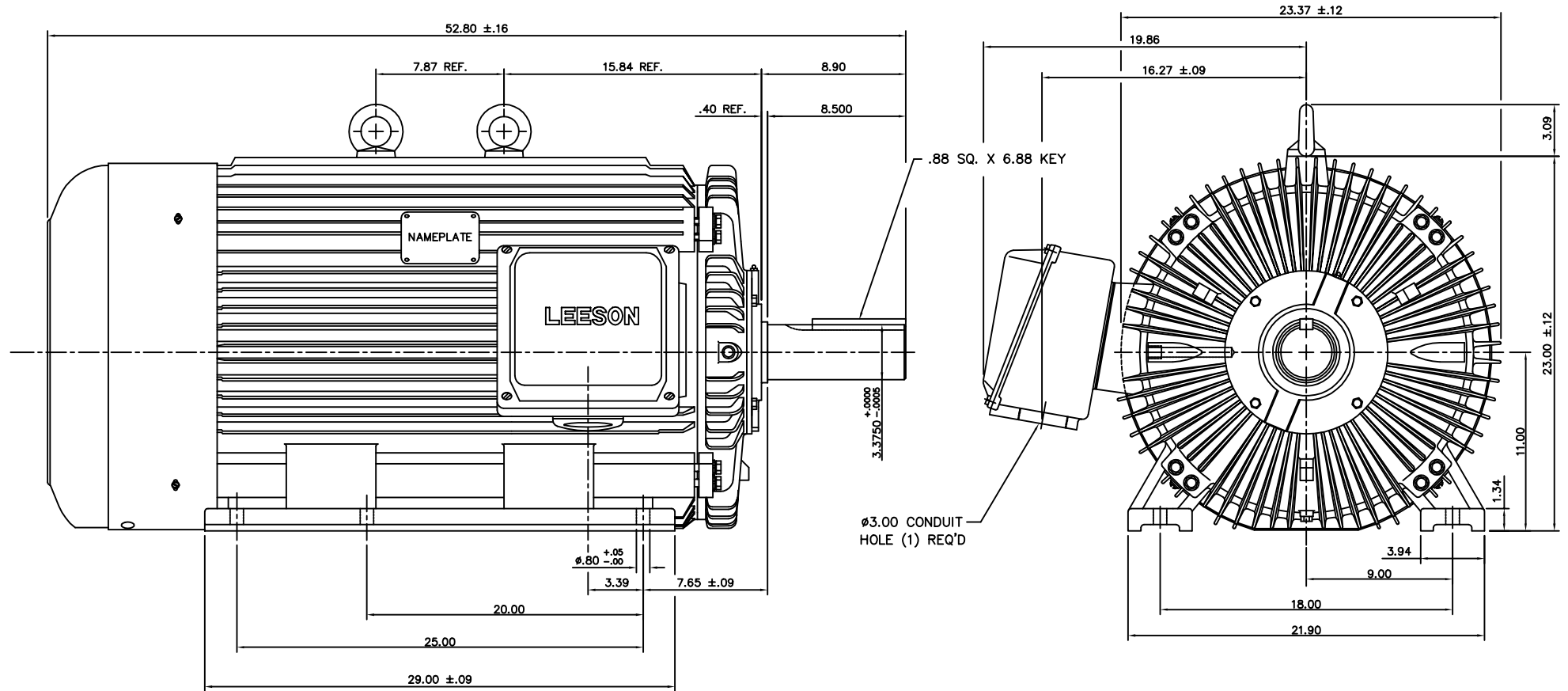


Nameplate Specifications

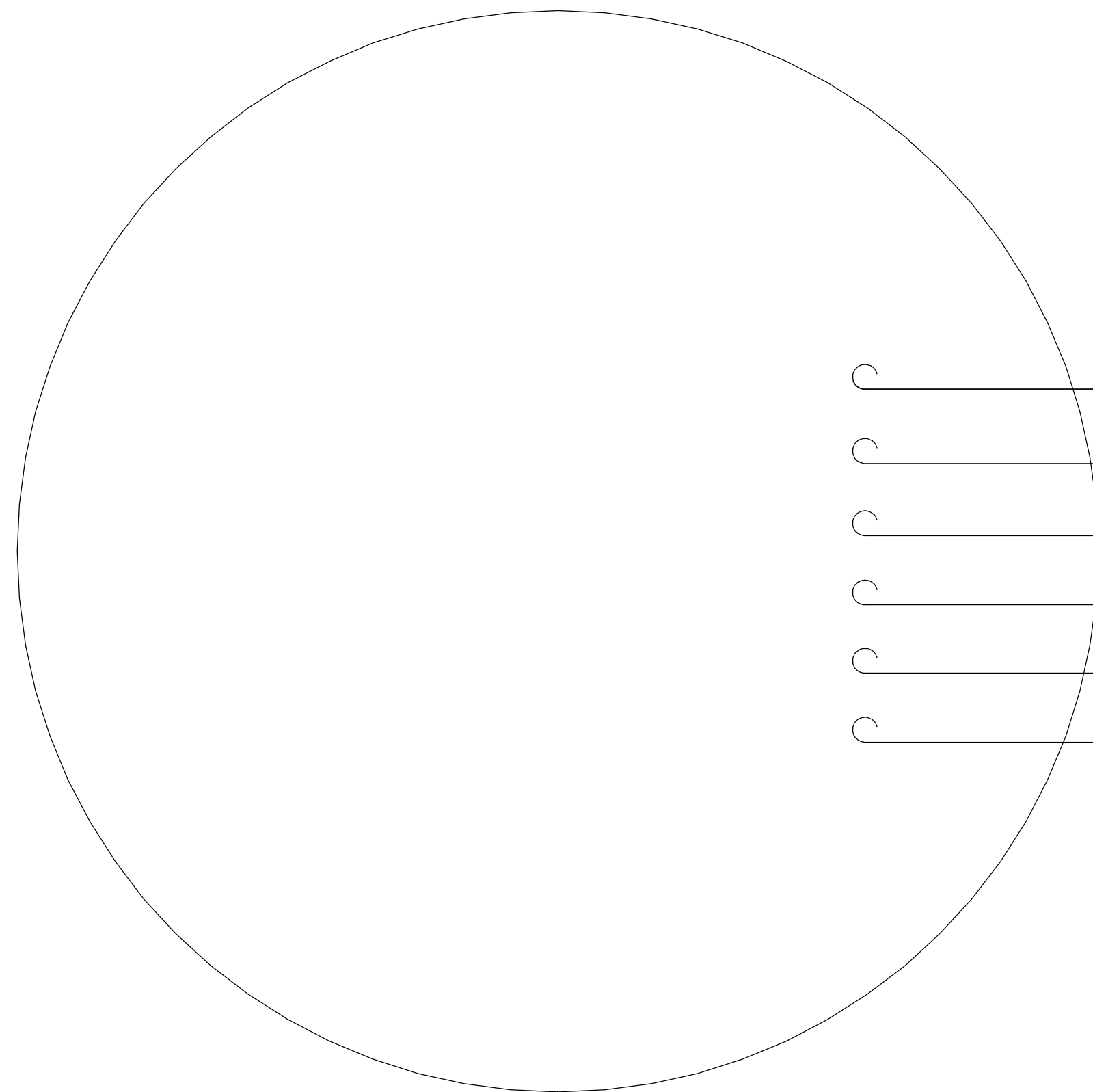
| | | | |
|------------------------|------------------|----------------------------|-----------------------------|
| Phase | 3 | Output HP | 250 & 200 Hp |
| Output KW | 187.0 & 149.0 kW | Voltage | 460 & 380 V |
| Speed | 1790 & 1490 rpm | Service Factor | 1.15 & 1.15 |
| Frame | 447/449T | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No Protection | Efficiency | 96.2 & 96.2 % |
| Ambient Temperature | 40 °C | Frequency | 60 & 50 Hz |
| Current | 271 & 262 A | Power Factor | 90 |
| Duty | Continuous | Insulation Class | F |
| Design Code | B | KVA Code | G |
| Drive End Bearing Size | 6319 | Opp Drive End Bearing Size | 6317 |
| UL | Recognized | CSA | Y |
| CE | Y | IP Code | 43 |
| Number of Speeds | 1 | | |

Technical Specifications

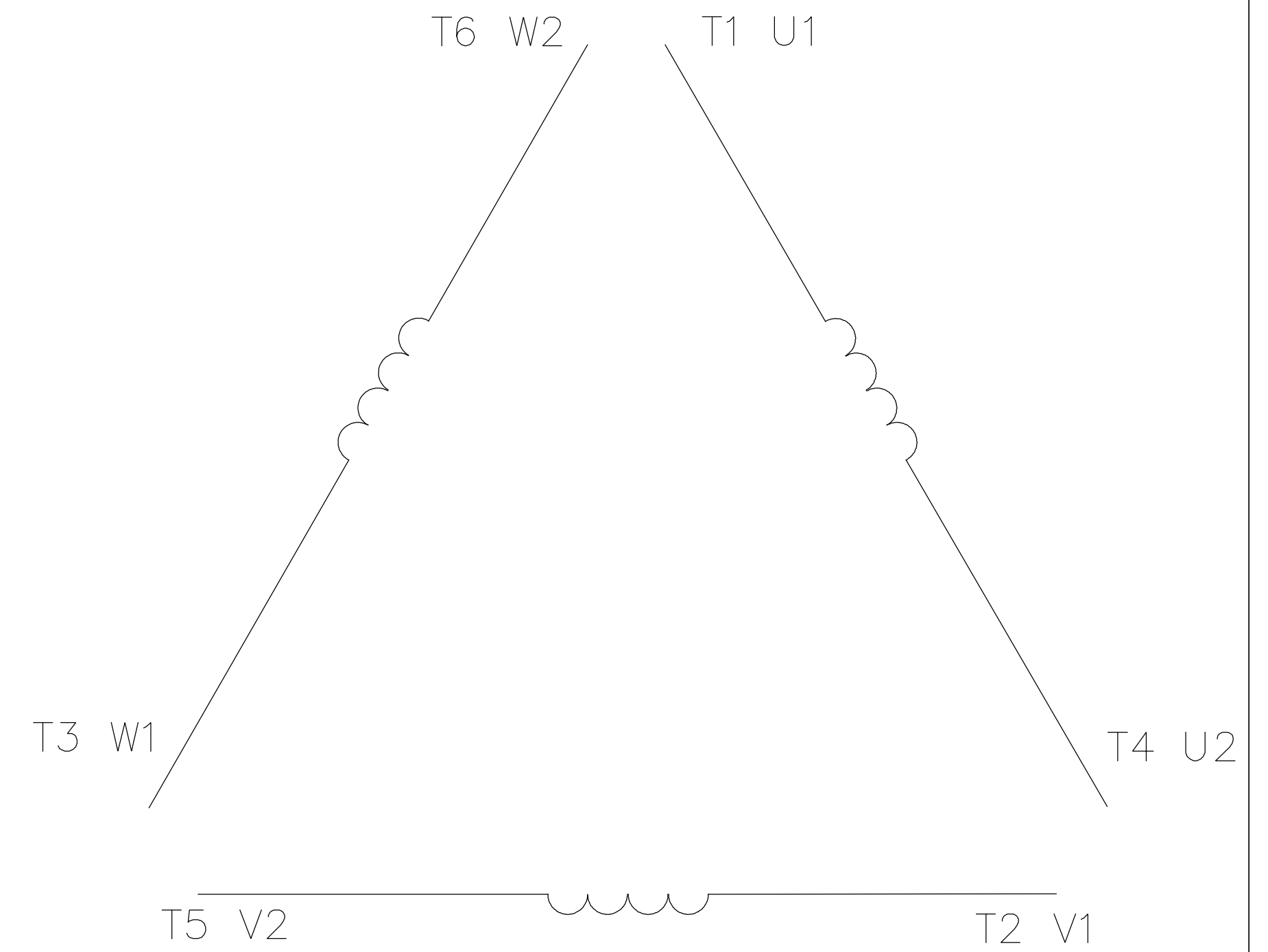
| | | | |
|-----------------------|-----------------------------|--------------------|-----------------|
| Electrical Type | Squirrel Cage Induction Run | Starting Method | Across The Line |
| Poles | 4 | Rotation | Reversible |
| Resistance Main | .0131 Ohms | Mounting | Rigid Base |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Cast Iron |
| Shaft Type | T | Overall Length | 52.80 in |
| Shaft Diameter | 3.375 in | Shaft Extension | 8.5 in |
| Assembly/Box Mounting | F1/F2 CAPABLE | | |
| Outline Drawing | 16958360 | Connection Drawing | 005190.01 |



| | | | | | | | | | |
|---|----------------------------------|-----|----------|---------------------------------------|---------|------------------------------------|--|------|-------------|
| | | | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | LEESON ELECTRIC CORPORATION | | | |
| | | | | DECIMALS | | | | | |
| | | | | .00 | ± .03 | DRAWN LEM 10/04/99 | TITLE OUTLINE - 449T FRAME TEFC - RIGID MOUNT MEETS NEC/UL REQ. CON-BOX VOL. = 9750 | | |
| | | | | .000 | ± .005 | CHK'D. ADS 11/08/99 | | | |
| 01 | REDRAWN TO CURRENT CAD STANDARDS | CJK | 09/17/01 | .0000 | ± .0005 | APPR. ADS 11/08/99 | MAT'L. | | |
| NO. | REVISION | BY | DATE | FRACTIONS | ± 1/64 | SCALE 1=6 | | | |
| 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 | | | | ANGLES | ± 1/2" | REF. | FINISH | SIZE | DRAWING NO. |
| | | | | INCH/MM | | FMF | | B | 169583-60 |
| | | | | | | | | | |



| Row Index | Column Index |
|-----------|--------------|
| T1 | U1 |
| T2 | V1 |
| T3 | W1 |
| T4 | U2 |
| T5 | V2 |
| T6 | W2 |



| | L1 | L2 | L3 | JOIN |
|----------------|--------------------|--------------------|--------------------|--------------------------|
| START (WYE) | T1 U1 | T2 V1 | T3 U2 | (T4,T5,T6) (U2,V2,W2) |
| RUN (DELTA) | (T1,T6) (U1,W2) | (T2,T4) (V1,U2) | (T3,T5) (W1,V2) | |

| | | | | | | | | | | |
|---|------------------------------------|-----|-----------|---------------------------------------|---------|-----------------------------|---|---|--|------|
| | | | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | LEESON ELECTRIC CORPORATION | | | | |
| | | | | | | | | | | |
| 04 | ADDED MAT'L (CWLE) PER ECO-0168542 | DS | 6/10/2019 | DECIMALS | | | | EXT. WIRING DIAGRAM STAR START – DELTA RUN | | |
| 03 | ADDED IEC DESIGNATIONS | MOL | 4/27/2012 | .00 | ± .01 | DRAWN PG 05/07/82 | TITLE | | | |
| 02 | REMOVED OBSOLETE STATUS | KJH | 6/28/99 | .000 | ± .005 | CH'K'D. TEM | MAT'L. Y-CONNECTED START (CWLE) DELTA CONNECTED RUN – SINGLE VOLTAGE | | | |
| 01 | REDRAWN ON CAD | DBT | 05/30/97 | .0000 | ± .0005 | APPR. 05/07/82 | | | | |
| NO. | REVISION | BY | DATE | FRACTIONS | ± 1/64 | SCALE 1=1 | FINISH | | | |
| 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 | | | | ANGLES | ± 1/2° | REF. T2E | | | | SIZE |
| | | | | INCH/MM | | FMF ELECTRO POWER | A | 005190-01 | | |