

# PRODUCT INFORMATION PACKET



Model No: 171522.00

Catalog No: 171522.00

General Purpose Motor, 150 & 125 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 & 1500 RPM, 444T Frame, DP



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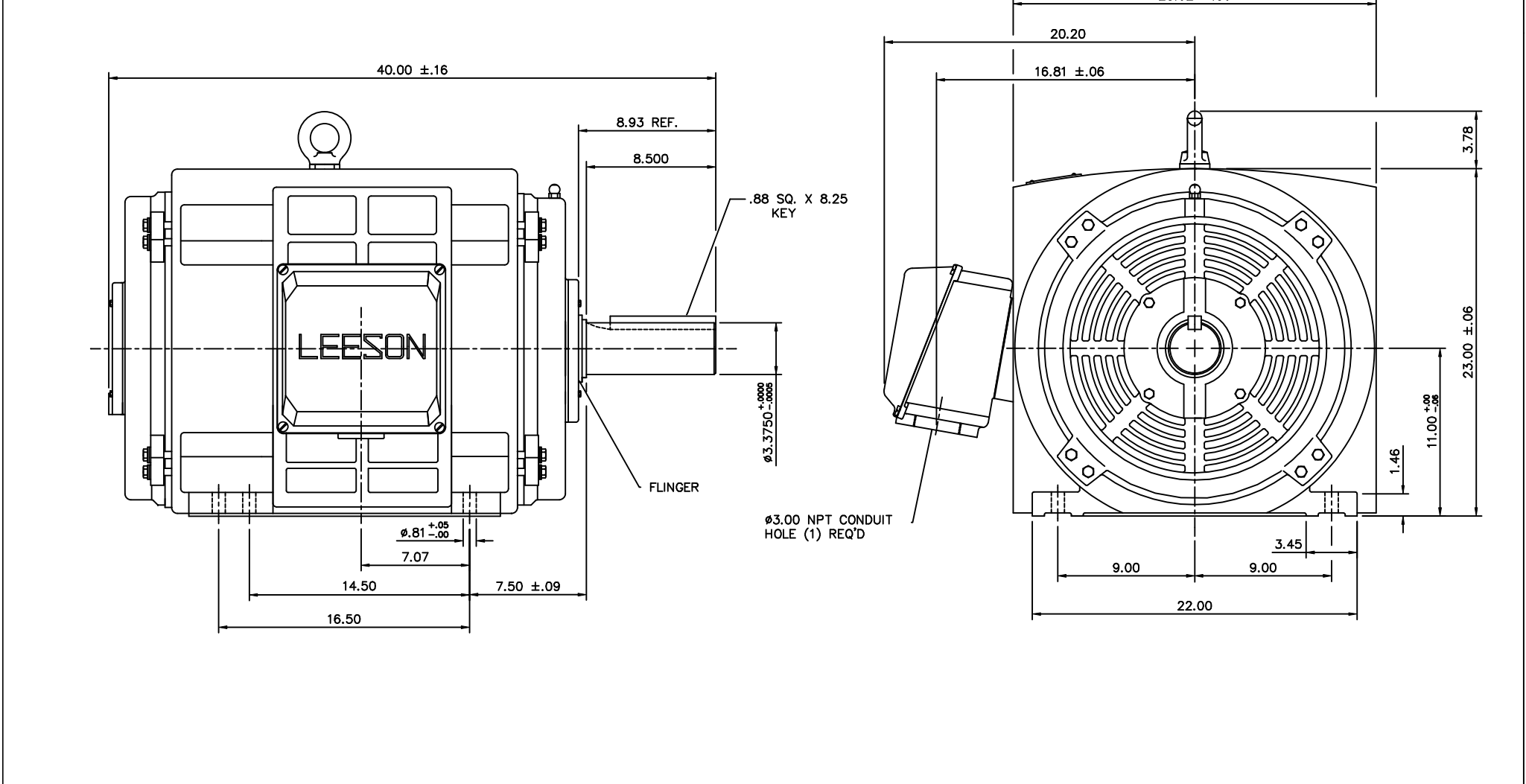


## Nameplate Specifications

|                        |                 |                            |               |
|------------------------|-----------------|----------------------------|---------------|
| Phase                  | 3               | Output HP                  | 150 & 125 Hp  |
| Output KW              | 112.0 & 93.0 kW | Voltage                    | 460 & 380 V   |
| Speed                  | 1790 & 1490 rpm | Service Factor             | 1.15 & 1.15   |
| Frame                  | 444T            | Enclosure                  | Drip Proof    |
| Thermal Protection     | No Protection   | Efficiency                 | 95.8 & 95.8 % |
| Ambient Temperature    | 40 °C           | Frequency                  | 60 & 50 Hz    |
| Current                | 164 & 165 A     | Power Factor               | 89            |
| Duty                   | Continuous      | Insulation Class           | F             |
| Design Code            | B               | KVA Code                   | F             |
| Drive End Bearing Size | 6318            | Opp Drive End Bearing Size | 6317          |
| UL                     | Recognized      | CSA                        | Y             |
| CE                     | Y               | IP Code                    | 12            |
| Number of Speeds       | 1               |                            |               |

## Technical Specifications

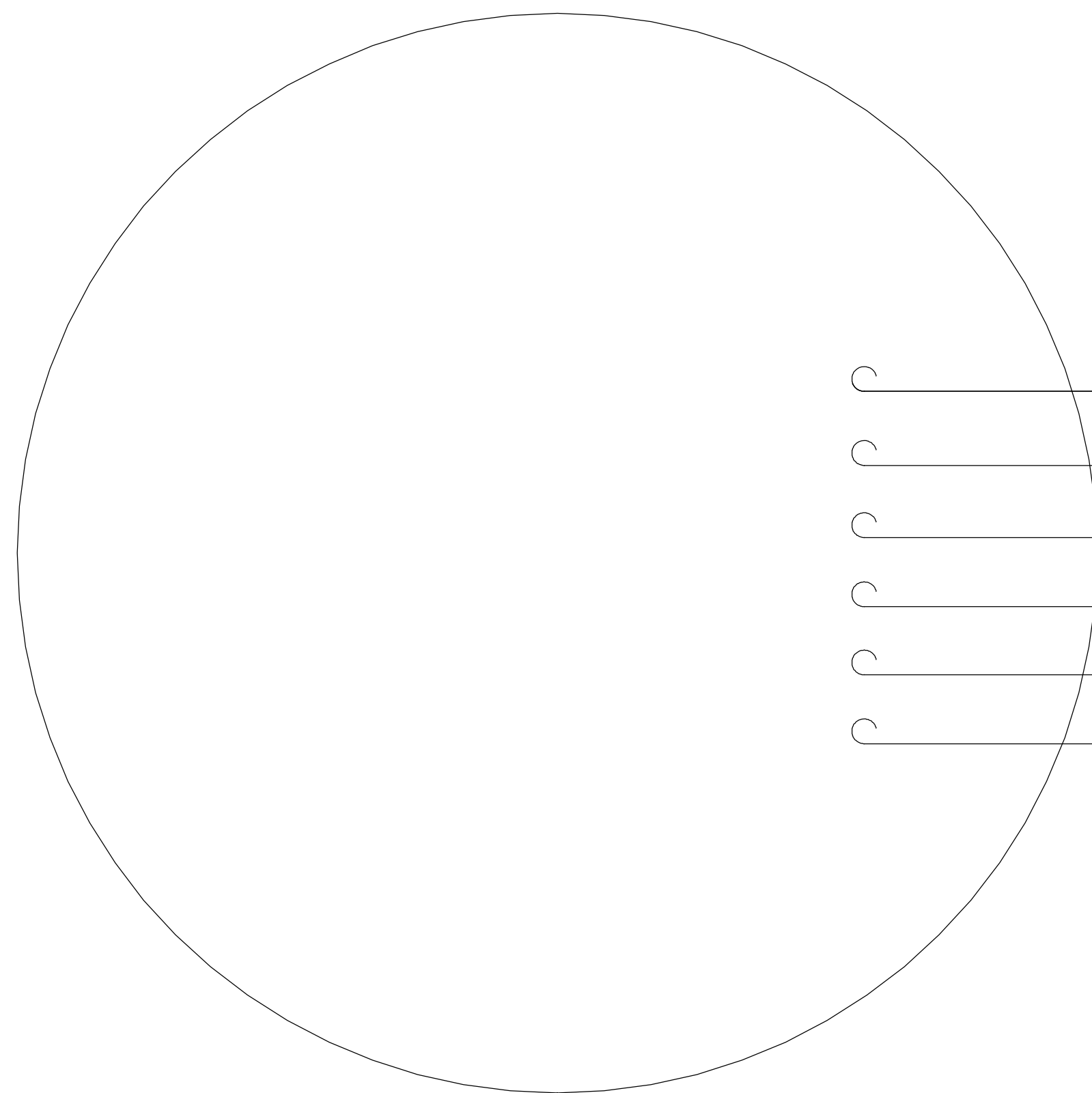
|                       |                              |                   |                                 |
|-----------------------|------------------------------|-------------------|---------------------------------|
| Electrical Type       | Squirrel Cage Inverter Rated | Starting Method   | Wye Start Delta Run Or Inverter |
| Poles                 | 4                            | Rotation          | Reversible                      |
| Resistance Main       | .0222 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    | 40.00 in                        |
| Shaft Diameter        | 3.375 in                     | Shaft Extension   | 8.5 in                          |
| Assembly/Box Mounting | F1/F2 CAPABLE                |                   |                                 |
| Connection Drawing    | 00519001                     | Outline Drawing   | 16958260                        |

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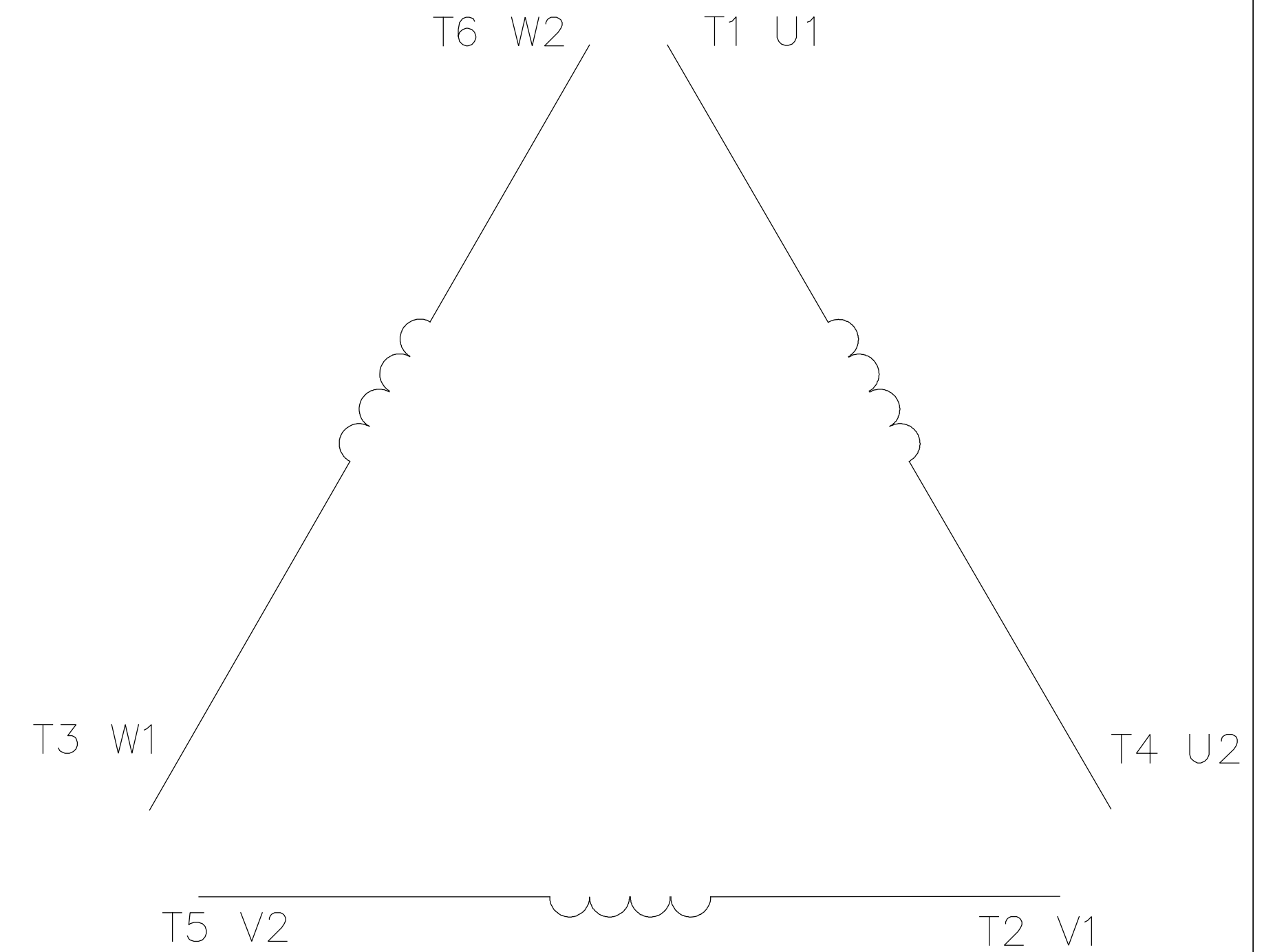
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|--|----------|--|--|----|------|---------------------------------------|---------|-----------------------------|---|-----------------------|--|
|  |          |  |  |    |      | TOLERANCES UNLESS OTHERWISE SPECIFIED |         | LEESON ELECTRIC CORPORATION |   |                       |  |
|  |          |  |  |    |      | DECIMALS                              |         |                             |   |                       |  |
|  |          |  |  |    |      | .00                                   | ± .03   | DRAWN LEM 10/01/99          | TITLE OUTLINE - 444T/445T FRAME, OPEN DRIP PROOF, RIGID MOUNT, MEETS NEC/UL CON-BOX VOLUME = 13800 CC |                       |  |
|  |          |  |  |    |      | .000                                  | ± .005  | CH'K'D. ADS 10/15/99        |   |                       |  |
|  |          |  |  |    |      | .0000                                 | ± .0005 | APPR. ADS 10/15/99          |   |                       |  |
| NO.  | REVISION |  |  | BY | DATE | FRACTIONS                             | ± 1/64  | SCALE 1=6                   | MA'T'L  |                       |  |
| THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK<br>ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED |          |  |  |    |      | ANGLES ± 1/2"                         |         | REF.                        | FINISH  |                       |  |
|  |          |  |  |    |      | INCH/MM                               |         | FMF                         | SIZE B  | DRAWING NO. 169582-60 |  |
| CAST IRON  |          |  |  |    |      |                                       |         |                             |   |                       |  |

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005190-01



A diagram of a multi-ported device. It consists of a central vertical curved line representing the device body. To the left of this line are six horizontal lines, each starting with a 'C' label. To the right of the line are six horizontal lines, each starting with a 'T' label followed by a 'U' or 'V' label. The labels are: C, T1, U1, T2, V1, T3, W1, T4, U2, T5, V2, and T6, W2.



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

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