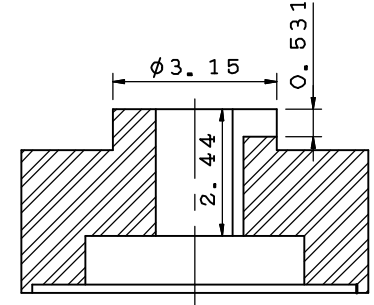
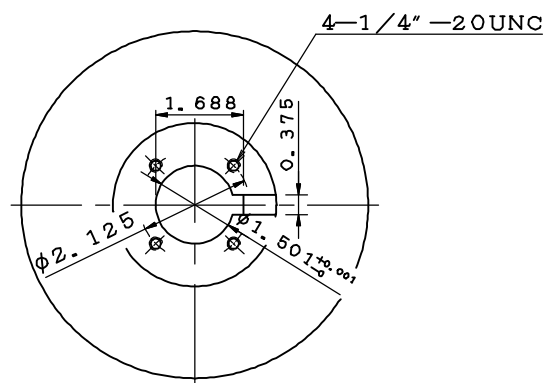
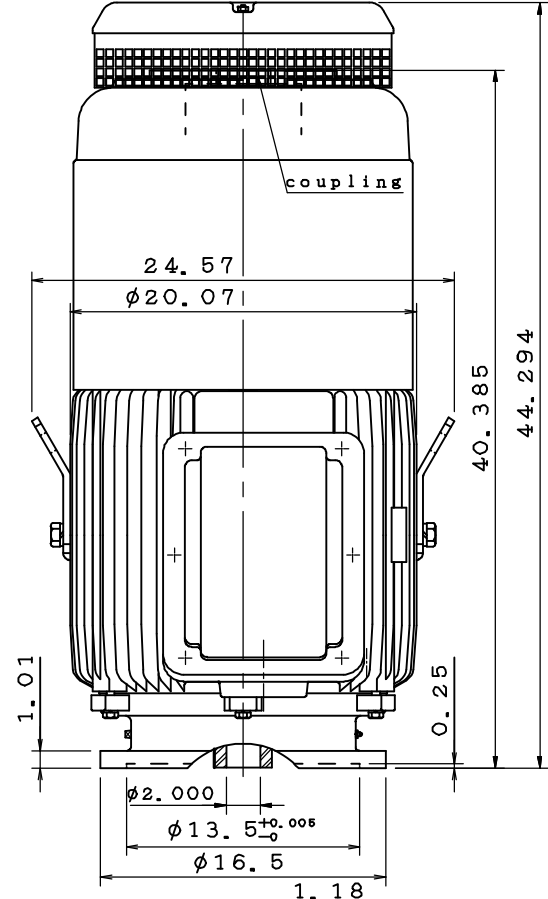


|                                 |                           |  |                                |  |
|---------------------------------|---------------------------|--|--------------------------------|--|
| <b>TECO</b> <b>Westinghouse</b> | <b>OUTLINE DIMENSIONS</b> |  | MOTOR TYPE:<br><b>AEEHNH</b>   |  |
|                                 | DATE 05/25/2017           |  | <b>3-PHASE INDUCTION MOTOR</b> |  |

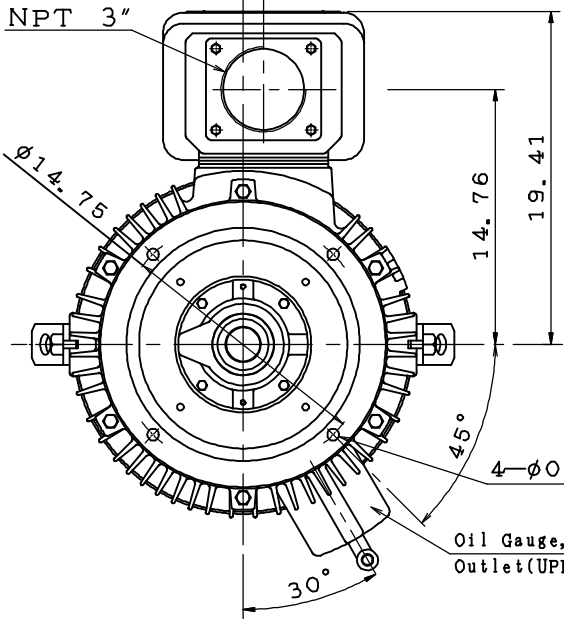
| Pole | HP  | kW | Hz | VOLT    | r/min(rpm) |
|------|-----|----|----|---------|------------|
| 4    | 100 | 75 | 60 | 230/460 | 1800       |

| Ins | Rating | Dimension in | Approx Weight | Bearings              |
|-----|--------|--------------|---------------|-----------------------|
| F   | CONT.  | inches       | 1557.6 lbs    | DE: 6315C3 NDE: 7322B |

Totally Enclosed Fan Cooled Vertical Type. Squirrel-cage Rotor.



Coupling Dimension



Note:  
 1. IPW44 Protection.  
 2. With Ball Type N. R. R.  
 3. Downthrust: 7900 lbs.  
 (L<sub>10</sub>: 8800 hrs)

TA17129-00-00

|  |  |  |                   |
|--|--|--|-------------------|
|  |  |  | CATALOG# VHTP1004 |
|--|--|--|-------------------|

|       |     |          |
|-------|-----|----------|
| DWG.  | 林志孝 | 02.08.17 |
| CHKD. | 林志孝 | 02.08.17 |
| APPD. | 徐聰豪 | 02.08.17 |

**TECO** **Westinghouse**

DWG NO.  
 31057A712400

# TECO Westinghouse

|                                   |                                |                             |
|-----------------------------------|--------------------------------|-----------------------------|
| ISSUED<br><b>January 17, 2017</b> | <b>PERFORMANCE DATA</b>        | ENCLOSURE<br><b>TEFC</b>    |
| TYPE<br><b>AEEHNH</b>             | <b>3-PHASE INDUCTION MOTOR</b> | CATALOG#<br><b>VHTP1004</b> |

### NAMEPLATE INFORMATION

| OUTPUT     |             | POLE     | FRAME SIZE   | VOLTAGE        | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|------------|-------------|----------|--------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP         | KW          |          |              |                |           |               |            |             |              |                |
| <b>100</b> | <b>74.6</b> | <b>4</b> | <b>405TP</b> | <b>230/460</b> | <b>60</b> | <b>40°C</b>   | <b>F</b>   | <b>B</b>    | <b>CONT.</b> | <b>1.15</b>    |

### TYPICAL PERFORMANCE

| FULL LOAD RPM | EFFICIENCY  |             |             |             | POWER FACTOR |             |             | MAXIMUM POWER FACTOR CORRECTION |
|---------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|---------------------------------|
|               | FULL LOAD   |             | 3/4 LOAD %  | 1/2 LOAD %  | F. L. %      | 3/4 LOAD %  | 1/2 LOAD %  |                                 |
|               | MIN. %      | NOM. %      |             |             |              |             |             |                                 |
| <b>1775</b>   | <b>94.5</b> | <b>95.4</b> | <b>95.4</b> | <b>95.0</b> | <b>87.5</b>  | <b>85.5</b> | <b>80.0</b> | <b>20.2 KVAR</b>                |

### CURRENTS

| NO LOAD      |              |              | FULL LOAD     |               |               | LOCKED ROTOR   |                |               | NEMA KVA CODE LETTER |
|--------------|--------------|--------------|---------------|---------------|---------------|----------------|----------------|---------------|----------------------|
| AT           | AT           | AT           | AT            | AT            | AT            | AT             | AT             | AT            |                      |
| 208 VOLT     | 230 VOLT     | 460 VOLT     | 208 VOLT      | 230 VOLT      | 460 VOLT      | 208 VOLT       | 230 VOLT       | 460 VOLT      |                      |
| <b>62.11</b> | <b>50.80</b> | <b>25.40</b> | <b>248.06</b> | <b>224.33</b> | <b>112.17</b> | <b>1603.37</b> | <b>1450.00</b> | <b>725.00</b> | <b>G</b>             |

### TORQUE

### INERTIA

### ACCEL TIME

| FULL LOAD lb-ft | LOCKED ROTOR %FLT | PULL UP %FLT | BREAK DOWN %FLT | ROTOR WR <sup>2</sup> lb-ft <sup>2</sup> | NEMA LOAD WK <sup>2</sup> lb-ft <sup>2</sup> | MAX ALLOWABLE WK <sup>2</sup> lb-ft <sup>2</sup> | NEMA LOAD WK <sup>2</sup> Sec | MAX ALLOWABLE WK <sup>2</sup> Sec |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| <b>295.78</b>   | <b>215</b>        | <b>140</b>   | <b>215</b>      | <b>26.637</b>                            | <b>441.3</b>                                 | <b>590</b>                                       | <b>4.66</b>                   | <b>6.14</b>                       |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

COLD

HOT

COLD

HOT

**17**

**12**

**2**

**1**

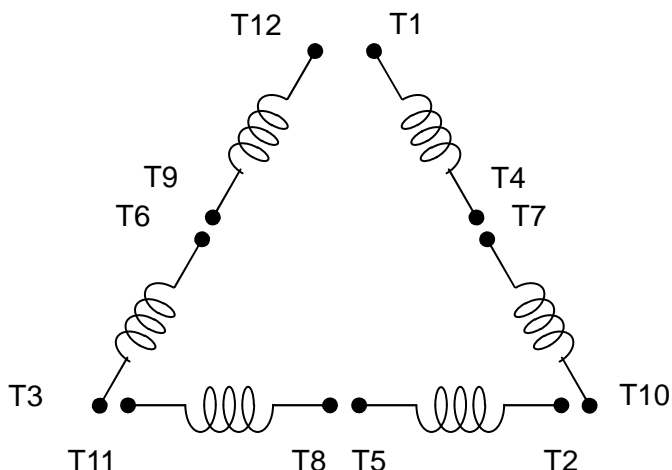
APPROVED:

**M. PRATER**

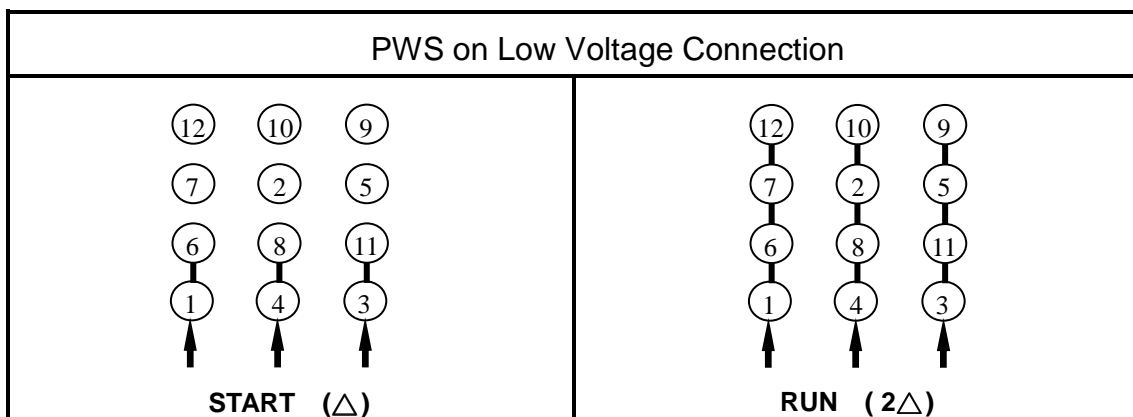
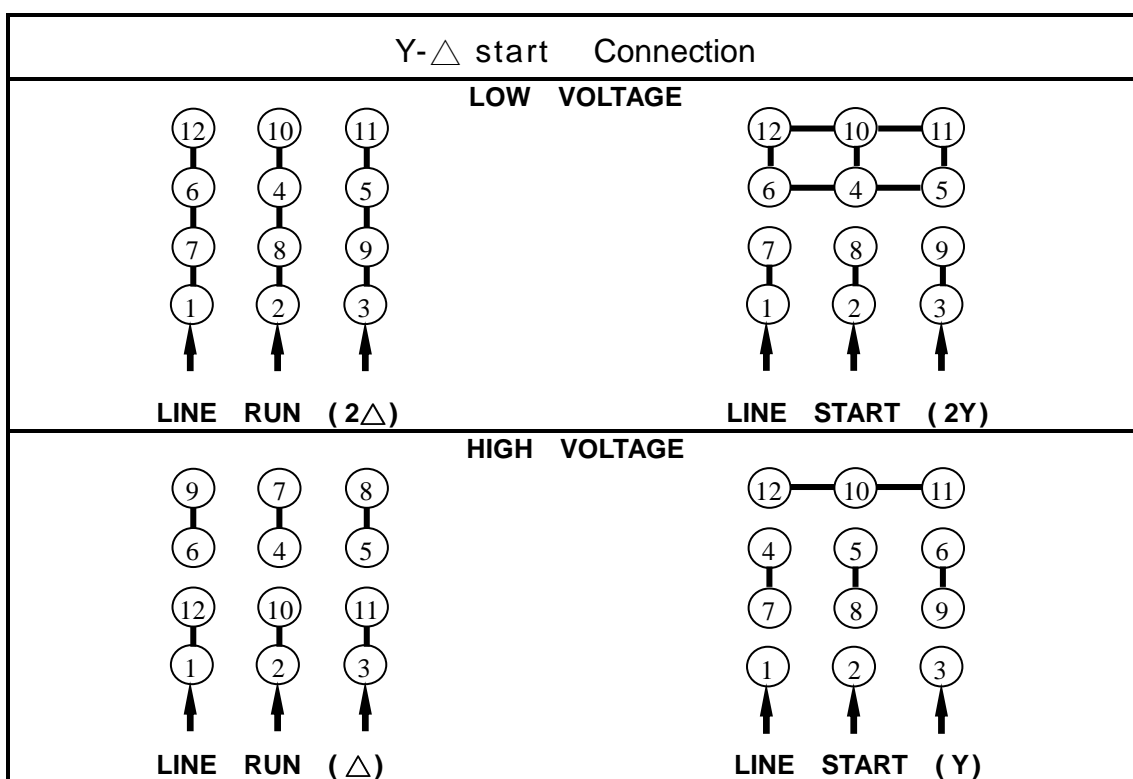
DRAWING NO.

**31057VHTP1004**

REVISION **0**



**SCHEMATIC – 2Δ/2Y/Δ/Y CONNECTION**



|       |           |            |  |          |
|-------|-----------|------------|--|----------|
| APPD. | M.C.Tsai  | May,01,'09 | <b>TECO Electric &amp; Machinery Co., Ltd.</b> | DWG NO : |
| CHKD. | C.L.Huang | May,01,'09 |  | DAC-1705 |
| DWN.  | J.C.Lan   | May,01,'09 |  |          |