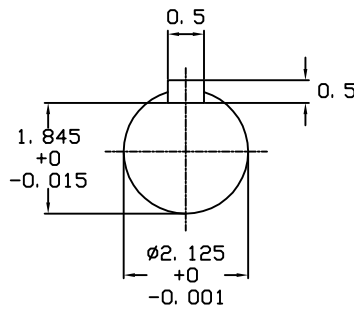
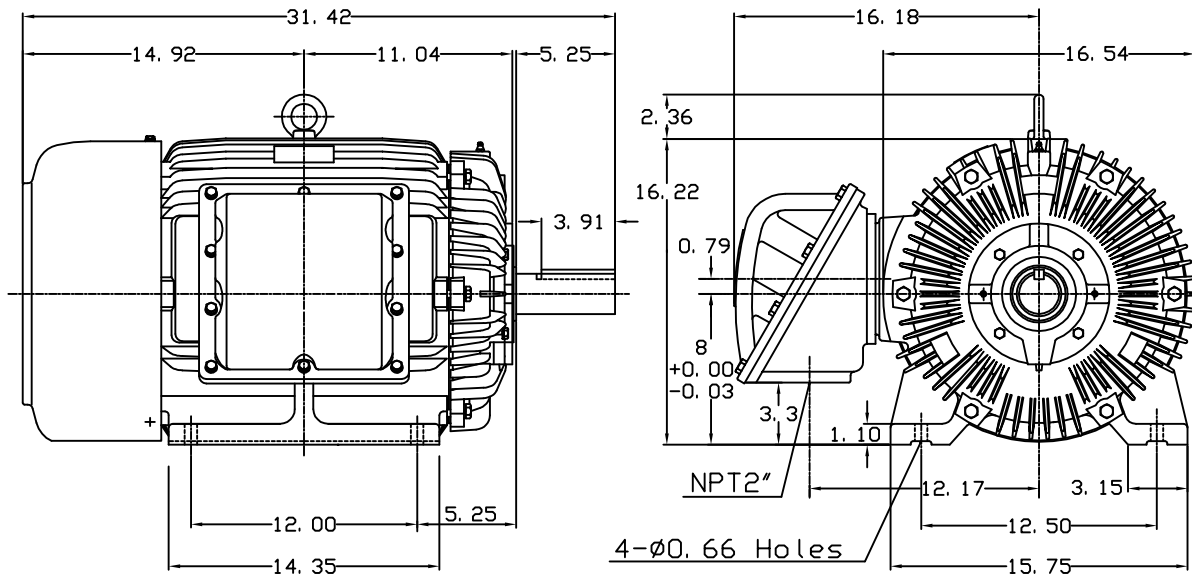


|                        |   |                       |
|------------------------|---|-----------------------|
| DATE<br>MARCH 24, 2011 | OUTLINE DIMENSIONS<br>3-PHASE INDUCTION MOTOR | MOTOR TYPE:<br>AEHHXU |
| CATALOG NO.<br>XPO504  |   | FRAME NO. 326T        |

|      |    |      |    |         |                   |
|------|----|------|----|---------|-------------------|
| Pole | HP | KW   | Hz | VOLT    | Syn. Speed<br>RPM |
| 4    | 50 | 37.3 | 60 | 230/460 | 1800              |

|     |        |              |               |          |           |
|-----|--------|--------------|---------------|----------|-----------|
| Ins | Rating | Dimension in | Approx Weight | Bearings |           |
| F   | CONT.  | inches       | 781 lbs.      | DE: 6312 | NDE: 6212 |

Totally Enclosed Fan-Cooled Type. Squirrel-Cage Rotor.



NOTE:  
1. EXPLOSION-PROOF:  
CLASS I GROUP D AND  
CLASS II GROUP E,F,G.

03. 16. 00 J. C. LIN

|       |             |          |
|-------|-------------|----------|
| DWN.  | J. H. LIANG | 11-30-98 |
| CHKD. | C. H. KAO   | 12-26-98 |
| APPD. | Y. B. HUANG | 12-26-98 |

TECO Westinghouse

DWG NO.  
31049J739003-1

# TECO Westinghouse

|                                 |                                |                                     |
|---------------------------------|--------------------------------|-------------------------------------|
| ISSUED<br><b>March 24, 2011</b> | <b>PERFORMANCE DATA</b>        | ENCLOSURE<br><b>EXPLOSION PROOF</b> |
| TYPE<br><b>AEHHXU</b>           | <b>3-PHASE INDUCTION MOTOR</b> | CATALOG#<br><b>XP0504</b>           |

### NAMEPLATE INFORMATION

| OUTPUT    |             | POLE     | FRAME SIZE  | VOLTAGE        | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|-----------|-------------|----------|-------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP        | KW          |          |             |                |           |               |            |             |              |                |
| <b>50</b> | <b>37.3</b> | <b>4</b> | <b>326T</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>93.6</b> | <b>94.5</b> | <b>95</b> | <b>95</b> | <b>85.5</b>  | <b>84.5</b> | <b>79</b> | <b>9.7 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>26.98</b> | <b>24.40</b> | <b>12.20</b> | <b>128.27</b> | <b>116.00</b> | <b>58.00</b> | <b>801.68</b> | <b>725.00</b> | <b>362.50</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>147.9</b>    | <b>240</b>        | <b>185</b>   | <b>210</b>      | <b>10.12</b>                             | <b>232</b>                                   | <b>366.00</b>                                    | <b>4.68</b>                   | <b>7.27</b>                       |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      | 70 |
|-----------|-----------|----------|----------|----|
| <b>17</b> | <b>12</b> | <b>2</b> | <b>1</b> |    |

|           |                  |             |                    |                   |
|-----------|------------------|-------------|--------------------|-------------------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>31057XP0504</b> | REVISION <b>0</b> |
|-----------|------------------|-------------|--------------------|-------------------|

DATE:  
March 24, 2011

# CONNECTION DIAGRAM

CATALOG NO.:  
XP0504



**SCHEMATIC - Δ / Y CONNECTION**

## ACROSS THE LINE CONNECTION



**LINE**  
**230 VOLT CONNECTION**



**LINE**  
**460 VOLT CONNECTION**

**\*CONTACT TWMC IF YOU HAVE ANY QUESTIONS  
REGARDING THE MOTOR CONNECTION.**

**PH: 1-800-873-8326**