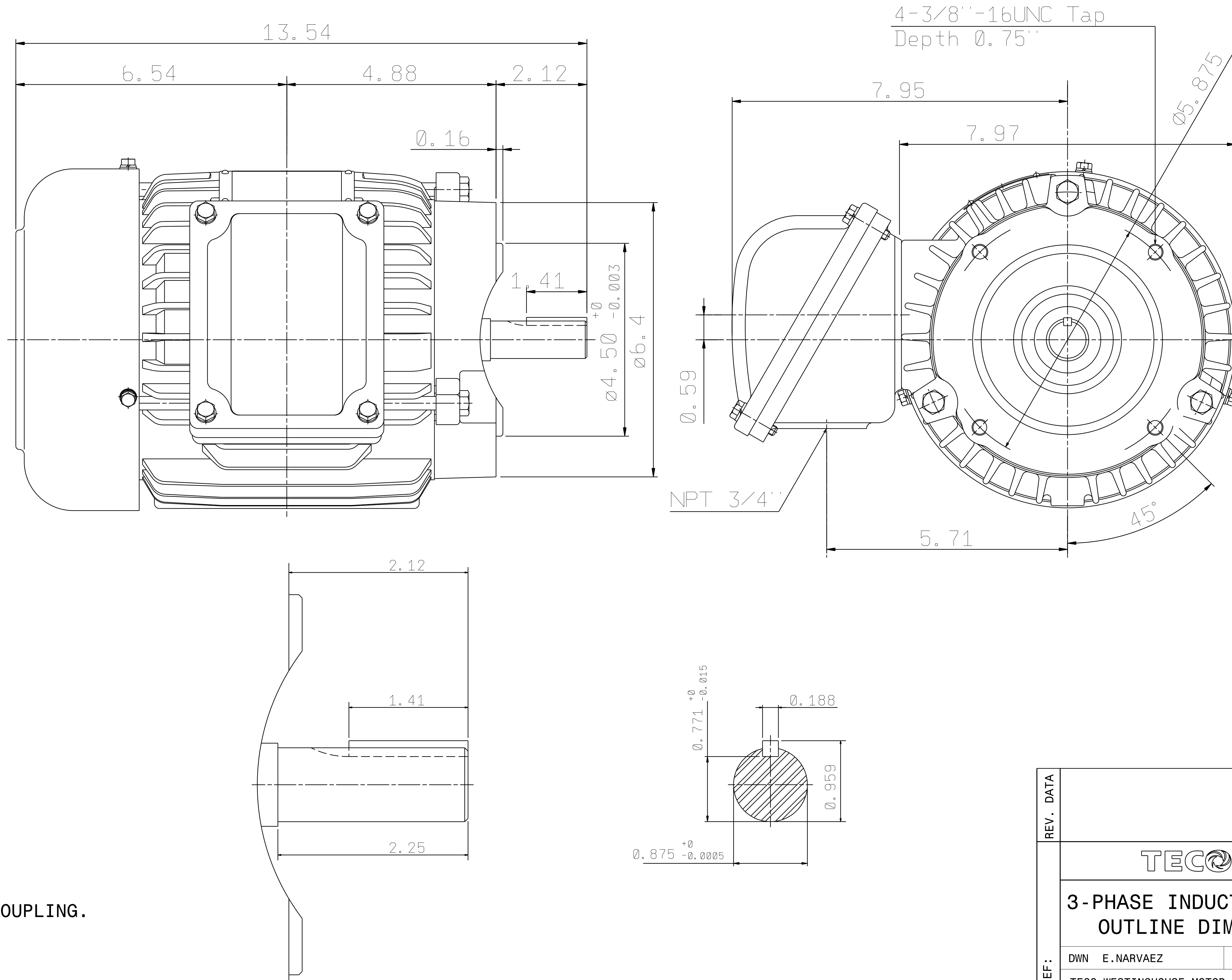


| CATALOG # | TYPE   | FRAME | OUTPUT |     | POLE | SYN. SPEED R.P.M. | VOLTAGE V. | Hz. | TIME RATING | INSULATION CLASS | SERVICE FACTOR | BEARINGS |        | WEIGHT LBS |
|-----------|--------|-------|--------|-----|------|-------------------|------------|-----|-------------|------------------|----------------|----------|--------|------------|
|           |        |       | HP     | KW  |      |                   |            |     |             |                  |                | DE       | NDE    |            |
| XPV0016C  | AEUHXG | 145TC | 1      | .75 | 6    | 1200              | 230/460    | 60  | CONT.       | F                | 1.15           | 6205ZZ   | 6205ZZ | 75         |

TOTALLY ENCLOSED FAN-COOLED TYPE. SQUIRREL CAGE MOTOR



- NOTES:
1. DIMENSIONS IN INCH.
  2. ENCLOSURE: IP55.
  3. FOR DIRECT FLEXIBLE COUPLING.
  4. EXPLOSION PROOF:  
CLASS I GROUP D AND  
CLASS II GROUP E,F,G.

|                                 |   |                       |        |                     |
|---------------------------------|---|-----------------------|--------|---------------------|
| REF:                            | REV. DATA   |                       |        |                     |
|                                 | <b>TECO Westinghouse</b>                              |                       |        |                     |
|                                 | <b>3-PHASE INDUCTION MOTOR<br/>OUTLINE DIMENSIONS</b> |                       |        | REV NO<br><b>01</b> |
|                                 | DWN E.NARVAEZ   |                       | 101218 | APPD S.GROHOSKY     |
| TECO-WESTINGHOUSE MOTOR COMPANY |   | ROUND ROCK, TEXAS USA |        |                     |

# TECO Westinghouse

|                                   |                                |                                     |
|-----------------------------------|--------------------------------|-------------------------------------|
| ISSUED<br><b>October 12, 2018</b> | <b>PERFORMANCE DATA</b>        | ENCLOSURE<br><b>EXPLOSION PROOF</b> |
| TYPE<br><b>AEUHXG</b>             | <b>3-PHASE INDUCTION MOTOR</b> | CATALOG#<br><b>XPV0016C</b>         |

### NAMEPLATE INFORMATION

| OUTPUT   |            | POLE     | FRAME SIZE   | VOLTAGE        | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|----------|------------|----------|--------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP       | KW         |          |              |                |           |               |            |             |              |                |
| <b>1</b> | <b>0.7</b> | <b>6</b> | <b>145TC</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>1145</b>   | <b>80</b>  | <b>82.5</b> | <b>82</b>  | <b>79.5</b> | <b>66</b>    | <b>57</b>  | <b>45</b>  | <b>1.9 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>5.40</b> | <b>4.88</b> | <b>2.44</b> | <b>7.61</b> | <b>6.88</b> | <b>3.44</b> | <b>66.35</b> | <b>60.00</b> | <b>30.00</b> | <b>N</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>4.668</b>    | <b>250</b>        | <b>235</b>   | <b>305</b>      | <b>0.122</b>                             | <b>15</b>                                    | <b>65.45</b>                                     | <b>4.77</b>                   | <b>20.68</b>                      |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      | 53 |
|-----------|-----------|----------|----------|----|
| <b>33</b> | <b>23</b> | <b>2</b> | <b>1</b> |    |

|           |                  |             |                      |                   |
|-----------|------------------|-------------|----------------------|-------------------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>31057XPV0016C</b> | REVISION <b>0</b> |
|-----------|------------------|-------------|----------------------|-------------------|

DATE:  
May 14, 2011

# CONNECTION DIAGRAM

CATALOG NO.:  
XPV0016C



**SCHEMATIC - 2Y/Y CONNECTION**

## ACROSS THE LINE CONNECTION



**LINE  
230 VOLT CONNECTION**



**LINE  
460 VOLT CONNECTION**