

# TECO Westinghouse

|                                |                                                           |                                     |
|--------------------------------|-----------------------------------------------------------|-------------------------------------|
| ISSUED<br><b>April 6, 2011</b> | <b>PERFORMANCE DATA</b><br><b>3-PHASE INDUCTION MOTOR</b> | ENCLOSURE<br><b>EXPLOSION PROOF</b> |
| TYPE<br><b>AEHHXU</b>          |                                                           | CATALOG#<br><b>XP0106</b>           |

## NAMEPLATE INFORMATION

| OUTPUT    |            | POLE     | FRAME SIZE  | VOLTAGE        | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|-----------|------------|----------|-------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP        | KW         |          |             |                |           |               |            |             |              |                |
| <b>10</b> | <b>7.5</b> | <b>6</b> | <b>256T</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<br>LOAD<br>RPM | EFFICIENCY |        |          |          | POWER FACTOR |          |          | MAXIMUM<br>POWER FACTOR<br>CORRECTION |
|---------------------|------------|--------|----------|----------|--------------|----------|----------|---------------------------------------|
|                     | FULL LOAD  |        | 3/4 LOAD | 1/2 LOAD | F. L.        | 3/4 LOAD | 1/2 LOAD |                                       |
|                     | MIN. %     | NOM. % |          |          |              |          |          |                                       |
| 1175                | 89.5       | 91     | 92       | 91       | 81.5         | 76.5     | 65       | 4.4 KVAR                              |

## 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>12.27</b> | <b>11.10</b> | <b>5.55</b> | <b>27.87</b> | <b>25.20</b> | <b>12.60</b> | <b>179.13</b> | <b>162.00</b> | <b>81.00</b> | <b>H</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>44.68</b>    | <b>260</b>        | <b>210</b>   | <b>280</b>      | <b>2.872</b>                             | <b>137</b>                                   | <b>333.69</b>                                    | <b>4.91</b>                   | <b>11.81</b>                      |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      | 57 |
|-----------|-----------|----------|----------|----|
| <b>26</b> | <b>18</b> | <b>2</b> | <b>1</b> |    |

APPROVED:

**M. PRATER**

DRAWING NO.

**31057XP0106**

REVISION **0**