

# TECO Westinghouse

|                                    |                                                           |                              |
|------------------------------------|-----------------------------------------------------------|------------------------------|
| ISSUED<br><b>September 2, 2011</b> | <b>PERFORMANCE DATA</b><br><b>3-PHASE INDUCTION MOTOR</b> | ENCLOSURE<br><b>TEFC</b>     |
| TYPE<br><b>AEHH</b>                |                                                           | CATALOG#<br><b>HH2002-50</b> |

## NAMEPLATE INFORMATION

| OUTPUT     |              | POLE     | FRAME SIZE   | VOLTAGE    | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|------------|--------------|----------|--------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP         | KW           |          |              |            |           |               |            |             |              |                |
| <b>200</b> | <b>149.2</b> | <b>2</b> | <b>447TS</b> | <b>380</b> | <b>50</b> | <b>40°C</b>   | <b>F</b>   | <b>B</b>    | <b>CONT.</b> | <b>1.00</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. % | %        | %        | %            | %        | %        |                                       |
| 2974                | 93.8       | 94.7   | 94.5     | 93.6     | 88.5         | 86       | 81       | 71 KVAR                               |

## CURRENTS

| NO LOAD      | FULL LOAD     | LOCKED ROTOR   | NEMA KVA CODE LETTER |
|--------------|---------------|----------------|----------------------|
| AT           | AT            | AT             |                      |
| 380 VOLT     | 380 VOLT      | 380 VOLT       |                      |
| <b>89.30</b> | <b>273.07</b> | <b>1450.00</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>353.4</b>    | <b>82</b>         | <b>66</b>    | <b>168</b>      | <b>32</b>                                | <b>172</b>                                   | <b>258</b>                                       | <b>4.35</b>                   | <b>6.19</b>                       |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      | 83 |
|-----------|-----------|----------|----------|----|
| <b>30</b> | <b>20</b> | <b>2</b> | <b>1</b> |    |

APPROVED:

**M. PRATER**

DRAWING NO.

**31057HH2002**

REVISION **0**