

# TECO Westinghouse

|                                    |                                                           |                              |
|------------------------------------|-----------------------------------------------------------|------------------------------|
| ISSUED<br><b>September 6, 2011</b> | <b>PERFORMANCE DATA</b><br><b>3-PHASE INDUCTION MOTOR</b> | ENCLOSURE<br><b>TEFC</b>     |
| TYPE<br><b>AEHH8B</b>              |                                                           | CATALOG#<br><b>HB1506-50</b> |

## NAMEPLATE INFORMATION

| OUTPUT     |              | POLE     | FRAME SIZE  | VOLTAGE    | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|------------|--------------|----------|-------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP         | KW           |          |             |            |           |               |            |             |              |                |
| <b>150</b> | <b>111.9</b> | <b>6</b> | <b>447T</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. % |          |          |              |          |          |                                       |
| 984                 | 93.7       | 94.6   | 94.4     | 93.6     | 84           | 81.5     | 74       | 61 KVAR                               |

## CURRENTS

| NO LOAD      | FULL LOAD     | LOCKED ROTOR   | NEMA KVA CODE LETTER |
|--------------|---------------|----------------|----------------------|
| AT           | AT            | AT             |                      |
| 380          | 380           | 380            |                      |
| VOLT         | VOLT          | VOLT           |                      |
| <b>76.70</b> | <b>216.01</b> | <b>1085.00</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>799.5</b>    | <b>108</b>        | <b>84</b>    | <b>176</b>      | <b>103</b>                               | <b>1719</b>                                  | <b>3438</b>                                      | <b>5.18</b>                   | <b>10.06</b>                      |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      | 79 |
|-----------|-----------|----------|----------|----|
| <b>29</b> | <b>20</b> | <b>2</b> | <b>1</b> |    |

APPROVED:

**M. PRATER**

DRAWING NO.

**31057HB1506**

REVISION

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