

# TECO Westinghouse

|                                   |                                                           |                               |
|-----------------------------------|-----------------------------------------------------------|-------------------------------|
| ISSUED<br><b>January 19, 2009</b> | <b>PERFORMANCE DATA</b><br><b>3-PHASE INDUCTION MOTOR</b> | ENCLOSURE<br><b>TEFC</b>      |
| TYPE<br><b>AEHH8BCF</b>           |                                                           | CATALOG#<br><b>HB0256C-50</b> |

## NAMEPLATE INFORMATION

| OUTPUT    |             | POLE     | FRAME SIZE   | VOLTAGE    | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|-----------|-------------|----------|--------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP        | KW          |          |              |            |           |               |            |             |              |                |
| <b>25</b> | <b>18.7</b> | <b>6</b> | <b>324TC</b> | <b>380</b> | <b>50</b> | <b>40°C</b>   | <b>F</b>   | <b>C</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<br>% | 1/2 LOAD<br>% | F. L.<br>%   | 3/4 LOAD<br>% | 1/2 LOAD<br>% |                                       |
|                     | MIN. %     | NOM. % |               |               |              |               |               |                                       |
| 970                 | 89.5       | 91.0   | 92.4          | 93.6          | 83.5         | 84.0          | 80.5          | 6 KVAR                                |

## CURRENTS

| NO LOAD     | FULL LOAD    | LOCKED ROTOR  | NEMA KVA CODE LETTER |
|-------------|--------------|---------------|----------------------|
| AT          | AT           | AT            |                      |
| 380         | 380          | 380           |                      |
| VOLT        | VOLT         | VOLT          |                      |
| <b>7.95</b> | <b>37.30</b> | <b>243.00</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>135.3</b>    | <b>140</b>        | <b>115</b>   | <b>170</b>      | <b>11.877</b>                            | <b>502.241</b>                               | <b>870</b>                                       | <b>8.07</b>                   | <b>13.84</b>                      |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      | 70 |
|-----------|-----------|----------|----------|----|
| <b>38</b> | <b>27</b> | <b>2</b> | <b>1</b> |    |

APPROVED:

**M. PRATER**

DRAWING NO.

**31057HB0256C-50**

REVISION **0**