

# TECO Westinghouse

|                                     |                                                           |                               |
|-------------------------------------|-----------------------------------------------------------|-------------------------------|
| ISSUED<br><b>September 14, 2006</b> | <b>PERFORMANCE DATA</b><br><b>3-PHASE INDUCTION MOTOR</b> | ENCLOSURE<br><b>TEFC</b>      |
| TYPE<br><b>AEHH8NCF</b>             |                                                           | CATALOG#<br><b>EP0104C-50</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>4</b> | <b>215TC</b> | <b>190/380</b> | <b>50</b> | <b>40°C</b>   | <b>F</b>   | <b>C</b>    | <b>CONT.</b> | <b>1.0</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>1440</b>   | <b>87.5</b> | <b>89.5</b> | <b>91</b> | <b>91.7</b> | <b>90</b>    | <b>88</b> | <b>82</b> | <b>3.02 KVAR</b>                |

## CURRENTS

| NO LOAD     |  | FULL LOAD   |              |          | LOCKED ROTOR |               |               | NEMA KVA CODE LETTER |
|-------------|--|-------------|--------------|----------|--------------|---------------|---------------|----------------------|
| AT          |  | AT          | AT           | AT       | AT           |               | AT            |                      |
| 109 VOLT    |  | 380 VOLT    | 190 VOLT     | 380 VOLT | 190 VOLT     |               | 380 VOLT      |                      |
| <b>7.58</b> |  | <b>3.79</b> | <b>28.20</b> |          | <b>14.10</b> | <b>214.00</b> | <b>107.00</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>36.46</b>    | <b>175</b>        | <b>145</b>   | <b>225</b>      | <b>1.082</b>                             | <b>79.7896</b>                               | <b>140</b>                                       | <b>5.53</b>                   | <b>9.65</b>                       |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      |           |
|-----------|-----------|----------|----------|-----------|
| <b>17</b> | <b>12</b> | <b>2</b> | <b>1</b> | <b>60</b> |

APPROVED:

**M. PRATER**

DRAWING NO.

**31057EP0104C-50**

REVISION

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