

# 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>EP0014C-50</b> |

## NAMEPLATE INFORMATION

| OUTPUT   |            | POLE     | FRAME SIZE   | VOLTAGE        | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|----------|------------|----------|--------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP       | KW         |          |              |                |           |               |            |             |              |                |
| <b>1</b> | <b>0.7</b> | <b>4</b> | <b>143TC</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>1435</b>   | <b>81.5</b> | <b>84</b> | <b>85.5</b> | <b>84</b> | <b>83.5</b>  | <b>76.5</b> | <b>63.5</b> | <b>1 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>1.64</b> |  | <b>0.82</b> | <b>3.24</b> |  | <b>1.62</b> | <b>40.00</b> |  | <b>20.00</b> | <b>N</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>3.659</b>    | <b>225</b>        | <b>195</b>   | <b>295</b>      | <b>0.086</b>                             | <b>9.03667</b>                               | <b>36.15714286</b>                               | <b>4.86</b>                   | <b>19.30</b>                      |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      |           |
|-----------|-----------|----------|----------|-----------|
| <b>40</b> | <b>28</b> | <b>2</b> | <b>1</b> | <b>49</b> |

APPROVED:

**M. PRATER**

DRAWING NO.

**31057EP0014C-50**

REVISION **0**