

# 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>EP0752C-50</b> |

## NAMEPLATE INFORMATION

| OUTPUT    |             | POLE     | FRAME SIZE    | VOLTAGE        | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|-----------|-------------|----------|---------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP        | KW          |          |               |                |           |               |            |             |              |                |
| <b>75</b> | <b>56.0</b> | <b>2</b> | <b>365TSC</b> | <b>190/380</b> | <b>50</b> | <b>40°C</b>   | <b>F</b>   | <b>B</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>2945</b>   | <b>92.4</b> | <b>93.6</b> | <b>94.5</b> | <b>93.6</b> | <b>94</b>    | <b>94</b> | <b>91.5</b> | <b>8.60 KVAR</b>                |

## CURRENTS

| NO LOAD      |  | FULL LOAD    |               |  | LOCKED ROTOR |                |               | NEMA KVA CODE LETTER |
|--------------|--|--------------|---------------|--|--------------|----------------|---------------|----------------------|
| AT 109 VOLT  |  | AT 380 VOLT  | AT 190 VOLT   |  | AT 380 VOLT  | AT 190 VOLT    | AT 380 VOLT   |                      |
| <b>21.60</b> |  | <b>10.80</b> | <b>193.20</b> |  | <b>96.60</b> | <b>1444.00</b> | <b>722.00</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>133.7</b>    | <b>150</b>        | <b>135</b>   | <b>240</b>      | <b>9.056</b>                             | <b>110.679</b>                               | <b>225.7142857</b>                               | <b>4.59</b>                   | <b>8.99</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>83</b> |

APPROVED:

**M. PRATER**

DRAWING NO.

**31057EP0752C-50**

REVISION **0**