

# TECO Westinghouse

|                                |                                |                            |
|--------------------------------|--------------------------------|----------------------------|
| ISSUED<br><b>June 28, 2005</b> | <b>PERFORMANCE DATA</b>        | ENCLOSURE<br><b>TEFC</b>   |
| TYPE<br><b>AEHH8N</b>          | <b>3-PHASE INDUCTION MOTOR</b> | CATALOG#<br><b>EP01045</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>215T</b> | <b>575</b> | <b>60</b> | <b>40°C</b>   | <b>F</b>   | <b>C</b>    | <b>CONT.</b> | <b>1.15</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>1755</b>   | <b>90.2</b> | <b>91.7</b> | <b>91</b> | <b>91</b> | <b>88</b>    | <b>84</b> | <b>75.5</b> | <b>3 KVAR</b>                   |

### CURRENTS

| NO LOAD |             |      | FULL LOAD |             |      | LOCKED ROTOR |              |      | NEMA KVA CODE LETTER |
|---------|-------------|------|-----------|-------------|------|--------------|--------------|------|----------------------|
| AT      | AT          | AT   | AT        | AT          | AT   | AT           | AT           | AT   |                      |
| VOLT    | 575 VOLT    | VOLT | VOLT      | 575 VOLT    | VOLT | VOLT         | 575 VOLT     | VOLT |                      |
|         | <b>2.70</b> |      |           | <b>9.28</b> |      |              | <b>64.80</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>29.92</b>    | <b>250</b>        | <b>145</b>   | <b>260</b>      | <b>1.082</b>                             | <b>51</b>                                    | <b>175</b>                                       | <b>4.31</b>                   | <b>14.58</b>                      |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      | 60 |
|-----------|-----------|----------|----------|----|
| <b>40</b> | <b>28</b> | <b>2</b> | <b>1</b> |    |

|           |                  |             |                     |                   |
|-----------|------------------|-------------|---------------------|-------------------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>31057EP01045</b> | REVISION <b>0</b> |
|-----------|------------------|-------------|---------------------|-------------------|