

# TECO Westinghouse

|                                |                                |                            |
|--------------------------------|--------------------------------|----------------------------|
| ISSUED<br><b>March 6, 2006</b> | <b>PERFORMANCE DATA</b>        | ENCLOSURE<br><b>TEFC</b>   |
| TYPE<br><b>AEHH8N</b>          | <b>3-PHASE INDUCTION MOTOR</b> | CATALOG#<br><b>EP7/545</b> |

### NAMEPLATE INFORMATION

| OUTPUT     |            | POLE     | FRAME SIZE  | VOLTAGE    | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|------------|------------|----------|-------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP         | KW         |          |             |            |           |               |            |             |              |                |
| <b>7.5</b> | <b>5.6</b> | <b>4</b> | <b>213T</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>89.5</b> | <b>86.5</b>  | <b>82</b> | <b>72</b> | <b>2 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>2.22</b> |      |           | <b>7.08</b> |      |              | <b>51.20</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>22.44</b>    | <b>250</b>        | <b>155</b>   | <b>270</b>      | <b>0.848</b>                             | <b>39</b>                                    | <b>110</b>                                       | <b>4.31</b>                   | <b>11.98</b>                      |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      | 60 |
|-----------|-----------|----------|----------|----|
| <b>29</b> | <b>20</b> | <b>2</b> | <b>1</b> |    |

|           |                  |             |                     |                   |
|-----------|------------------|-------------|---------------------|-------------------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>31057EP7/545</b> | REVISION <b>0</b> |
|-----------|------------------|-------------|---------------------|-------------------|