

# 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>EP05045</b> |

### NAMEPLATE INFORMATION

| OUTPUT    |             | POLE     | FRAME SIZE  | VOLTAGE    | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|-----------|-------------|----------|-------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP        | KW          |          |             |            |           |               |            |             |              |                |
| <b>50</b> | <b>37.3</b> | <b>4</b> | <b>326T</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>1770</b>   | <b>93.6</b> | <b>94.5</b> | <b>95</b> | <b>95</b> | <b>87</b>    | <b>86</b> | <b>80.5</b> | <b>10 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>10.48</b> |      |           | <b>45.56</b> |      |              | <b>290.40</b> |      | <b>G</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>148.3</b>    | <b>210</b>        | <b>170</b>   | <b>220</b>      | <b>10.123</b>                            | <b>232</b>                                   | <b>427</b>                                       | <b>4.77</b>                   | <b>8.61</b>                       |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

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

|           |                  |             |                     |                   |
|-----------|------------------|-------------|---------------------|-------------------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>31057EP05045</b> | REVISION <b>0</b> |
|-----------|------------------|-------------|---------------------|-------------------|