

# TECO Westinghouse

|                                   |                                |                                |
|-----------------------------------|--------------------------------|--------------------------------|
| ISSUED<br><b>October 13, 2008</b> | <b>PERFORMANCE DATA</b>        | ENCLOSURE<br><b>TEFC</b>       |
| TYPE<br><b>AEUH8BDC</b>           | <b>3-PHASE INDUCTION MOTOR</b> | CATALOG#<br><b>HBV0104C-50</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>215TC</b> | <b>380</b> | <b>50</b> | <b>40°C</b>   | <b>F</b>   | <b>C</b>    | <b>CONT.</b> | <b>1.00</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>1440</b>   | <b>87.5</b> | <b>89.5</b> | <b>91</b>  | <b>91.7</b> | <b>90</b>    | <b>88</b>  | <b>82</b>  | <b>3 KVAR</b>                   |

### CURRENTS

| NO LOAD     | FULL LOAD    | LOCKED ROTOR  | NEMA KVA CODE LETTER |
|-------------|--------------|---------------|----------------------|
| AT          | AT           | AT            |                      |
| 380 VOLT    | 380 VOLT     | 380 VOLT      |                      |
| <b>3.79</b> | <b>14.10</b> | <b>107.00</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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
|                 |                   |              |                 |  |  |  |                               |                                   |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| 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>60</b>                         |

|           |                  |             |                      |                   |
|-----------|------------------|-------------|----------------------|-------------------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>31057HBV0104C</b> | REVISION <b>0</b> |
|-----------|------------------|-------------|----------------------|-------------------|