

# TECO Westinghouse

|                                    |                                |                              |
|------------------------------------|--------------------------------|------------------------------|
| ISSUED<br><b>September 6, 2011</b> | <b>PERFORMANCE DATA</b>        | ENCLOSURE<br><b>TEFC</b>     |
| TYPE<br><b>AEHH8B</b>              | <b>3-PHASE INDUCTION MOTOR</b> | CATALOG#<br><b>HB1254-50</b> |

### NAMEPLATE INFORMATION

| OUTPUT     |             | POLE     | FRAME SIZE  | VOLTAGE    | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|------------|-------------|----------|-------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP         | KW          |          |             |            |           |               |            |             |              |                |
| <b>125</b> | <b>93.3</b> | <b>4</b> | <b>444T</b> | <b>380</b> | <b>50</b> | <b>40°C</b>   | <b>F</b>   | <b>B</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>1477</b>   | <b>93.4</b> | <b>94.3</b> | <b>94</b>  | <b>93.2</b> | <b>85</b>    | <b>82.8</b> | <b>77.8</b> | <b>57 KVAR</b>                  |

### CURRENTS

| NO LOAD      | FULL LOAD     | LOCKED ROTOR  | NEMA KVA CODE LETTER |
|--------------|---------------|---------------|----------------------|
| AT           | AT            | AT            |                      |
| 380 VOLT     | 380 VOLT      | 380 VOLT      |                      |
| <b>71.00</b> | <b>178.46</b> | <b>910.00</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>443.9</b>    | <b>104</b>        | <b>80</b>    | <b>176</b>      | <b>44</b>                                | <b>542</b>                                   | <b>1084</b>                                      | <b>4.54</b>                   | <b>8.75</b>                       |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      | 81 |
|-----------|-----------|----------|----------|----|
| <b>35</b> | <b>23</b> | <b>2</b> | <b>1</b> |    |

|           |                  |             |                    |                   |
|-----------|------------------|-------------|--------------------|-------------------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>31057HB1254</b> | REVISION <b>0</b> |
|-----------|------------------|-------------|--------------------|-------------------|