

# TECO Westinghouse

|                                   |                                |                              |
|-----------------------------------|--------------------------------|------------------------------|
| ISSUED<br><b>January 10, 2006</b> | <b>PERFORMANCE DATA</b>        | ENCLOSURE<br><b>TEFC</b>     |
| TYPE<br><b>AEHH8B</b>             | <b>3-PHASE INDUCTION MOTOR</b> | CATALOG#<br><b>HB1/56-50</b> |

### NAMEPLATE INFORMATION

| OUTPUT   |            | POLE     | FRAME SIZE  | VOLTAGE    | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|----------|------------|----------|-------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP       | KW         |          |             |            |           |               |            |             |              |                |
| <b>2</b> | <b>1.1</b> | <b>6</b> | <b>182T</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>960</b>    | <b>84</b>  | <b>86.5</b> | <b>87.5</b> | <b>85.5</b> | <b>70</b>    | <b>62.5</b> | <b>50</b>  | <b>1 KVAR</b>                   |

### CURRENTS

| NO LOAD     | FULL LOAD   | LOCKED ROTOR | NEMA KVA CODE LETTER |
|-------------|-------------|--------------|----------------------|
| AT          | AT          | AT           |                      |
| 380         | 380         | 380          |                      |
| VOLT        | VOLT        | VOLT         |                      |
| <b>1.63</b> | <b>2.81</b> | <b>27.00</b> | <b>M</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>8.204</b>    | <b>165</b>        | <b>165</b>   | <b>265</b>      | <b>0.313</b>                             | <b>35.1517</b>                               | <b>232.8571429</b>                               | <b>6.60</b>                   | <b>43.39</b>                      |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      | dB(A) |
|-----------|-----------|----------|----------|-------|
| <b>97</b> | <b>68</b> | <b>2</b> | <b>1</b> |       |

|           |                  |             |                    |                   |
|-----------|------------------|-------------|--------------------|-------------------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>31057HB1/56</b> | REVISION <b>0</b> |
|-----------|------------------|-------------|--------------------|-------------------|