

# TECO Westinghouse

|                                   |                                |                                |
|-----------------------------------|--------------------------------|--------------------------------|
| ISSUED<br><b>January 19, 2009</b> | <b>PERFORMANCE DATA</b>        | ENCLOSURE<br><b>TEFC</b>       |
| TYPE<br><b>AEUH8BDC</b>           | <b>3-PHASE INDUCTION MOTOR</b> | CATALOG#<br><b>HBV7/56C-50</b> |

### NAMEPLATE INFORMATION

| OUTPUT   |            | POLE     | FRAME SIZE   | VOLTAGE    | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|----------|------------|----------|--------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP       | KW         |          |              |            |           |               |            |             |              |                |
| <b>8</b> | <b>5.6</b> | <b>6</b> | <b>254TC</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>960</b>    | <b>87.5</b> | <b>89.5</b> | <b>90.2</b> | <b>91.0</b> | <b>85.0</b>  | <b>81.5</b> | <b>73.5</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>3.93</b> | <b>11.20</b> | <b>84.00</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>41.02</b>    | <b>170</b>        | <b>155</b>   | <b>210</b>      | <b>2.158</b>                             | <b>161.342</b>                               | <b>446.1428571</b>                               | <b>6.97</b>                   | <b>19.10</b>                      |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      | 59 |
|-----------|-----------|----------|----------|----|
| <b>36</b> | <b>25</b> | <b>2</b> | <b>1</b> |    |

|           |                  |             |                         |                   |
|-----------|------------------|-------------|-------------------------|-------------------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>31057HBV7/56C-50</b> | REVISION <b>0</b> |
|-----------|------------------|-------------|-------------------------|-------------------|