

# TECO Westinghouse

|                                   |                                |                               |
|-----------------------------------|--------------------------------|-------------------------------|
| ISSUED<br><b>January 19, 2009</b> | <b>PERFORMANCE DATA</b>        | ENCLOSURE<br><b>TEFC</b>      |
| TYPE<br><b>AEHH8BCF</b>           | <b>3-PHASE INDUCTION MOTOR</b> | CATALOG#<br><b>HB0156C-50</b> |

### NAMEPLATE INFORMATION

| OUTPUT    |             | POLE     | FRAME SIZE   | VOLTAGE    | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|-----------|-------------|----------|--------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP        | KW          |          |              |            |           |               |            |             |              |                |
| <b>15</b> | <b>11.2</b> | <b>6</b> | <b>284TC</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>970</b>    | <b>88.5</b> | <b>90.2</b> | <b>91.7</b> | <b>92.4</b> | <b>85.0</b>  | <b>83.5</b> | <b>77.5</b> | <b>5 KVAR</b>                   |

### CURRENTS

| NO LOAD     | FULL LOAD    | LOCKED ROTOR  | NEMA KVA CODE LETTER |
|-------------|--------------|---------------|----------------------|
| AT          | AT           | AT            |                      |
| 380 VOLT    | 380 VOLT     | 380 VOLT      |                      |
| <b>6.06</b> | <b>22.20</b> | <b>154.00</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>81.19</b>    | <b>175</b>        | <b>135</b>   | <b>200</b>      | <b>6.823</b>                             | <b>310.432</b>                               | <b>691.4285714</b>                               | <b>7.03</b>                   | <b>15.48</b>                      |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      | dB(A) |
|-----------|-----------|----------|----------|-------|
| <b>29</b> | <b>20</b> | <b>2</b> | <b>1</b> |       |

|           |                  |             |                        |                   |
|-----------|------------------|-------------|------------------------|-------------------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>31057HB0156C-50</b> | REVISION <b>0</b> |
|-----------|------------------|-------------|------------------------|-------------------|