

# TECO Westinghouse

|                                    |                                |                              |
|------------------------------------|--------------------------------|------------------------------|
| ISSUED<br><b>December 16, 2005</b> | <b>PERFORMANCE DATA</b>        | ENCLOSURE<br><b>TEFC</b>     |
| TYPE<br><b>AEHH8N</b>              | <b>3-PHASE INDUCTION MOTOR</b> | CATALOG#<br><b>EP2006-50</b> |

### NAMEPLATE INFORMATION

| OUTPUT     |              | POLE     | FRAME SIZE  | VOLTAGE    | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|------------|--------------|----------|-------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP         | KW           |          |             |            |           |               |            |             |              |                |
| <b>200</b> | <b>149.2</b> | <b>6</b> | <b>449T</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>984</b>    | <b>94.7</b> | <b>93.8</b> | <b>94.4</b> | <b>93.6</b> | <b>84</b>    | <b>81</b>  | <b>74</b>  | <b>79 KVAR</b>                  |

### CURRENTS

| NO LOAD      | FULL LOAD     | LOCKED ROTOR   | NEMA KVA CODE LETTER |
|--------------|---------------|----------------|----------------------|
| AT           | AT            | AT             |                      |
| 380 VOLT     | 380 VOLT      | 380 VOLT       |                      |
| <b>99.00</b> | <b>287.70</b> | <b>1450.00</b> | <b>G</b>             |

### TORQUE

### INERTIA

### ACCEL TIME

| FULL LOAD lb-ft | LOCKED ROTOR %FLT | PULL UP %FLT | BREAK DOWN %FLT | ROTOR                              | NEMA                                    | MAX  | NEMA                     | MAX                           |
|-----------------|-------------------|--------------|-----------------|------------------------------------|---|--|--------------------------|-------------------------------|
|                 |                   |              |                 | WR <sup>2</sup> lb-ft <sup>2</sup> | LOAD WK <sup>2</sup> lb-ft <sup>2</sup> | ALLOWABLE WK <sup>2</sup> lb-ft <sup>2</sup> | LOAD WK <sup>2</sup> Sec | ALLOWABLE WK <sup>2</sup> Sec |
| <b>1066</b>     | <b>108</b>        | <b>84</b>    | <b>168</b>      | <b>125</b>                         | <b>2238</b>                             | <b>4476</b>                                  | <b>5.18</b>              | <b>10.09</b>                  |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      |           | HOT      |          |  |
|-----------|-----------|----------|----------|--|
| <b>18</b> | <b>12</b> | <b>2</b> | <b>1</b> |  |

|           |                  |             |                    |                   |
|-----------|------------------|-------------|--------------------|-------------------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>31057EP2006</b> | REVISION <b>0</b> |
|-----------|------------------|-------------|--------------------|-------------------|