

# TECO Westinghouse

|                                     |   |                               |
|-------------------------------------|---|-------------------------------|
| ISSUED<br><b>September 15, 2006</b> | <b>PERFORMANCE DATA</b><br><b>3-PHASE INDUCTION MOTOR</b> | ENCLOSURE<br><b>TEFC</b>      |
| TYPE<br><b>AEUHXF</b>               |   | CATALOG#<br><b>XV0024C-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>1.49</b> | <b>4</b> | <b>145TC</b> | <b>190/380</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 |           |           |
|---------------|------------|-----------|-------------|-------------|--------------|-----------|-----------|
|               | FULL LOAD  |           | 3/4 LOAD    | 1/2 LOAD    | F. L.        | 3/4 LOAD  | 1/2 LOAD  |
|               | MIN. %     | NOM. %    | %           | %           | %            | %         | %         |
| <b>1390</b>   | <b>77</b>  | <b>80</b> | <b>82.5</b> | <b>82.5</b> | <b>82</b>    | <b>75</b> | <b>63</b> |

### CURRENTS

| NO LOAD      |              | FULL LOAD    |              | LOCKED ROTOR |              | NEMA KVA CODE LETTER |
|--------------|--------------|--------------|--------------|--------------|--------------|----------------------|
| AT 190 VOLTS | AT 380 VOLTS | AT 190 VOLTS | AT 380 VOLTS | AT 190 VOLTS | AT 380 VOLTS |                      |
| <b>3.20</b>  | <b>1.60</b>  | <b>6.91</b>  | <b>3.46</b>  | <b>68.00</b> | <b>34.00</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>7.55</b>     | <b>210</b>        | <b>170</b>   | <b>225</b>      | <b>0.108</b>                             | <b>17.43</b>                                 | <b>56.01</b>                                     | <b>5.26</b>                   | <b>16.83</b>                      |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      |
|-----------|-----------|----------|----------|
| <b>32</b> | <b>16</b> | <b>2</b> | <b>1</b> |

|           |                  |             |                        |          |          |
|-----------|------------------|-------------|------------------------|----------|----------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>31057XV0024C-50</b> | REVISION | <b>0</b> |
|-----------|------------------|-------------|------------------------|----------|----------|