

# TECO Westinghouse

|                                |   |                               |
|--------------------------------|---|-------------------------------|
| ISSUED<br><b>April 7, 2011</b> | <b>PERFORMANCE DATA</b><br><b>3-PHASE INDUCTION MOTOR</b> | ENCLOSURE<br><b>TEFC</b>      |
| TYPE<br><b>AEHHXU</b>          |   | CATALOG#<br><b>XP1006R-50</b> |

### NAMEPLATE INFORMATION

| OUTPUT     |              | POLE     | FRAME SIZE  | VOLTAGE        | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|------------|--------------|----------|-------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP         | KW           |          |             |                |           |               |            |             |              |                |
| <b>100</b> | <b>74.60</b> | <b>6</b> | <b>444T</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>980</b>    | <b>93</b>  | <b>94.1</b> | <b>93.6</b> | <b>91.8</b> | <b>82.8</b>  | <b>80.8</b> | <b>73.8</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>96.20</b> | <b>48.10</b> | <b>291.00</b> | <b>145.00</b> | <b>1450.00</b> | <b>725.00</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>536.00</b>   | <b>104</b>        | <b>93.6</b>  | <b>168</b>      | <b>50</b>                                | <b>1838.00</b>                               | <b>3676.00</b>                                   | <b>8.28</b>                   | <b>16.34</b>                      |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      |
|-----------|-----------|----------|----------|
| <b>20</b> | <b>15</b> | <b>2</b> | <b>1</b> |

|           |                  |             |                        |                   |
|-----------|------------------|-------------|------------------------|-------------------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>3A057XP1006R-50</b> | REVISION <b>0</b> |
|-----------|------------------|-------------|------------------------|-------------------|