

# 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>XP0606-50</b> |

### NAMEPLATE INFORMATION

| OUTPUT    |              | POLE     | FRAME SIZE  | VOLTAGE        | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|-----------|--------------|----------|-------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP        | KW           |          |             |                |           |               |            |             |              |                |
| <b>60</b> | <b>44.76</b> | <b>6</b> | <b>404T</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>975</b>    | <b>91</b>  | <b>92.4</b> | <b>94</b> | <b>94.5</b> | <b>88.5</b>  | <b>88</b> | <b>84</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>36.00</b> | <b>18.00</b> | <b>166.33</b> | <b>83.16</b> | <b>1156.00</b> | <b>578.00</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>323.11</b>   | <b>160</b>        | <b>140</b>   | <b>195</b>      | <b>28.126</b>                            | <b>1141.59</b>                               | <b>1909.32</b>                                   | <b>6.84</b>                   | <b>11.33</b>                      |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      |
|-----------|-----------|----------|----------|
| <b>36</b> | <b>18</b> | <b>2</b> | <b>1</b> |

|           |                  |             |                       |          |          |
|-----------|------------------|-------------|-----------------------|----------|----------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>31057XP0606-50</b> | REVISION | <b>0</b> |
|-----------|------------------|-------------|-----------------------|----------|----------|