

# TECO Westinghouse

|                                |   |                                     |
|--------------------------------|---|-------------------------------------|
| ISSUED<br><b>April 6, 2011</b> | <b>PERFORMANCE DATA</b><br><b>3-PHASE INDUCTION MOTOR</b> | ENCLOSURE<br><b>EXPLOSION PROOF</b> |
| TYPE<br><b>AEHHXU</b>          |   | CATALOG#<br><b>XP0036</b>           |

### NAMEPLATE INFORMATION

| OUTPUT   |            | POLE     | FRAME SIZE  | VOLTAGE        | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|----------|------------|----------|-------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP       | KW         |          |             |                |           |               |            |             |              |                |
| <b>3</b> | <b>2.2</b> | <b>6</b> | <b>213T</b> | <b>230/460</b> | <b>60</b> | <b>40°C</b>   | <b>F</b>   | <b>B</b>    | <b>CONT.</b> | <b>1.15</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>1170</b>   | <b>87.5</b> | <b>89.5</b> | <b>90</b> | <b>88</b> | <b>80</b>    | <b>73.5</b> | <b>61</b> | <b>1.6 KVAR</b>                 |

### CURRENTS

| NO LOAD     |             |             | FULL LOAD   |             |             | LOCKED ROTOR |              |              | NEMA KVA CODE LETTER |
|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|----------------------|
| AT          | AT          | AT          | AT          | AT          | AT          | AT           | AT           | AT           |                      |
| 208 VOLT    | 230 VOLT    | 460 VOLT    | 208 VOLT    | 230 VOLT    | 460 VOLT    | 208 VOLT     | 230 VOLT     | 460 VOLT     |                      |
| <b>4.47</b> | <b>4.04</b> | <b>2.02</b> | <b>8.67</b> | <b>7.84</b> | <b>3.92</b> | <b>70.77</b> | <b>64.00</b> | <b>32.00</b> | <b>K</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>13.46</b>    | <b>200</b>        | <b>155</b>   | <b>315</b>      | <b>0.836</b>                             | <b>44</b>                                    | <b>288.00</b>                                    | <b>5.25</b>                   | <b>33.85</b>                      |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      |           | HOT      |          | 53        |
|-----------|-----------|----------|----------|-----------|
| 87        | 61        | 2        | 1        |           |
| <b>87</b> | <b>61</b> | <b>2</b> | <b>1</b> | <b>53</b> |

|           |                  |             |                    |                   |
|-----------|------------------|-------------|--------------------|-------------------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>31057XP0036</b> | REVISION <b>0</b> |
|-----------|------------------|-------------|--------------------|-------------------|