

# TECO Westinghouse

|                                |   |                            |
|--------------------------------|---|----------------------------|
| ISSUED<br><b>April 4, 2013</b> | <b>PERFORMANCE DATA</b><br><b>3-PHASE INDUCTION MOTOR</b> | ENCLOSURE<br><b>TEFC</b>   |
| TYPE<br><b>AEGP</b>            |   | CATALOG#<br><b>WP0034C</b> |

## NAMEPLATE INFORMATION

| OUTPUT     |             | POLE     | FRAME SIZE   | VOLTAGE        | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|------------|-------------|----------|--------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP         | KW          |          |              |                |           |               |            |             |              |                |
| <b>3.0</b> | <b>2.24</b> | <b>4</b> | <b>182TC</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<br>LOAD<br>RPM | EFFICIENCY |        |               |               | POWER FACTOR |               |               | MAXIMUM<br>POWER FACTOR<br>CORRECTION |
|---------------------|------------|--------|---------------|---------------|--------------|---------------|---------------|---------------------------------------|
|                     | FULL LOAD  |        | 3/4 LOAD<br>% | 1/2 LOAD<br>% | F. L.<br>%   | 3/4 LOAD<br>% | 1/2 LOAD<br>% |                                       |
|                     | MIN. %     | NOM. % |               |               |              |               |               |                                       |
| 1760                | 89.5       | 87.5   | 89            | 87            | 78           | 70            | 58            | 2 KVAR                                |

## CURRENTS

| NO LOAD     |             |             | FULL LOAD   |             |             | LOCKED ROTOR |              |              | NEMA KVA CODE LETTER |
|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|----------------------|
| AT 208 VOLT | AT 230 VOLT | AT 460 VOLT | AT 208 VOLT | AT 230 VOLT | AT 460 VOLT | AT 208 VOLT  | AT 230 VOLT  | AT 460 VOLT  |                      |
| <b>4.42</b> | <b>4.00</b> | <b>2.00</b> | <b>8.40</b> | <b>8.00</b> | <b>4.00</b> | <b>70.77</b> | <b>64.00</b> | <b>32.00</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>8.9</b>      | <b>215</b>        | <b>225</b>   | <b>270</b>      | <b>0.43877</b>                           | <b>17</b>                                    | <b>20</b>  | <b>5.01</b>                   | <b>5.88</b>                       |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      |           |
|-----------|-----------|----------|----------|-----------|
| <b>12</b> | <b>10</b> | <b>2</b> | <b>1</b> | <b>64</b> |

|           |                  |             |                     |          |          |
|-----------|------------------|-------------|---------------------|----------|----------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>31057WP0034C</b> | REVISION | <b>0</b> |
|-----------|------------------|-------------|---------------------|----------|----------|