

# TECO Westinghouse

|                                   |                                |                            |
|-----------------------------------|--------------------------------|----------------------------|
| ISSUED<br><b>January 23, 2014</b> | <b>PERFORMANCE DATA</b>        | ENCLOSURE<br><b>TEFC</b>   |
| TYPE<br><b>AEHGK</b>              | <b>3-PHASE INDUCTION MOTOR</b> | CATALOG#<br><b>KG3004T</b> |

### NAMEPLATE INFORMATION

| OUTPUT     |            | POLE     | FRAME SIZE  | VOLTAGE          | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|------------|------------|----------|-------------|------------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP         | KW         |          |             |                  |           |               |            |             |              |                |
| <b>300</b> | <b>224</b> | <b>4</b> | <b>449T</b> | <b>2300/4160</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>1785</b>   | <b>95.0</b> | <b>95.8</b> | <b>94.7</b> | <b>95.1</b> | <b>84</b>    | <b>80.2</b> | <b>71.6</b> | <b>46 KVAR</b>                  |

### CURRENTS

| NO LOAD     |             | FULL LOAD   |             | LOCKED ROTOR |            | NEMA KVA CODE LETTER |
|-------------|-------------|-------------|-------------|--------------|------------|----------------------|
| AT          | AT          | AT          | AT          | AT           | AT         |                      |
| 2300 VOLT   | 4160 VOLT   | 2300 VOLT   | 4160 VOLT   | 2300 VOLT    | 4160 VOLT  |                      |
| <b>13.6</b> | <b>7.50</b> | <b>69.8</b> | <b>38.6</b> | <b>506</b>   | <b>280</b> | <b>G</b>             |

### TORQUE

### INERTIA

### ACCEL TIME

| FULL LOAD lb-ft | LOCKED ROTOR %FLT | PULL UP %FLT | BREAK DOWN %FLT | ROTOR                              | NEMA                                    | MAX  | NEMA                     | MAX                           |
|-----------------|-------------------|--------------|-----------------|------------------------------------|---|--|--------------------------|-------------------------------|
|                 |                   |              |                 | WR <sup>2</sup> lb-ft <sup>2</sup> | LOAD WK <sup>2</sup> lb-ft <sup>2</sup> | ALLOWABLE WK <sup>2</sup> lb-ft <sup>2</sup> | LOAD WK <sup>2</sup> Sec | ALLOWABLE WK <sup>2</sup> Sec |
| <b>882</b>      | <b>135</b>        | <b>122</b>   | <b>230</b>      | <b>90</b>                          | <b>1197</b>                             | <b>2394</b>                                  | <b>4.79</b>              | <b>9.24</b>                   |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      | 84 |
|-----------|-----------|----------|----------|----|
| <b>26</b> | <b>23</b> | <b>2</b> | <b>1</b> |    |

APPROVED:

**M. PRATER**

DRAWING NO.

**3A057KG3004T**

REV. **1**