

# TECO Westinghouse

|                                 |   |                           |
|---------------------------------|---|---------------------------|
| ISSUED<br><b>March 31, 2014</b> | <b>PERFORMANCE DATA</b><br><b>3-PHASE INDUCTION MOTOR</b> | ENCLOSURE<br><b>TEFC</b>  |
| TYPE<br><b>AEHGK</b>            |   | CATALOG#<br><b>KG1504</b> |

### NAMEPLATE INFORMATION

| OUTPUT     |            | POLE     | FRAME SIZE  | VOLTAGE          | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|------------|------------|----------|-------------|------------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP         | KW         |          |             |                  |           |               |            |             |              |                |
| <b>150</b> | <b>112</b> | <b>4</b> | <b>447T</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>1787</b>   | <b>93.0</b> | <b>94.1</b> | <b>93.4</b> | <b>91.8</b> | <b>80.7</b>  | <b>75.6</b> | <b>65.5</b> | <b>65 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>16.4</b> | <b>9.08</b> | <b>37.0</b> | <b>20.5</b> | <b>281</b>   | <b>144</b> | <b>H</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>441</b>      | <b>130</b>        | <b>123</b>   | <b>230</b>      | <b>55</b>                                | <b>640</b>                                   | <b>1280</b>                                      | <b>5.22</b>                   | <b>10.04</b>                      |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| SAFE STALL TIME IN SECONDS |           | ALLOWABLE STARTS PER HOUR |          | SOUND PRESSURE LEVEL @ 3 FT dB(A) |
|----------------------------|-----------|---------------------------|----------|-----------------------------------|
| COLD                       | HOT       | COLD                      | HOT      |                                   |
| <b>17</b>                  | <b>12</b> | <b>2</b>                  | <b>1</b> | <b>83</b>                         |

APPROVED:

M. PRATER

DRAWING NO.

3A057KG1504T

REV. **1**