

# TECO Westinghouse

|                           |                                |                           |
|---------------------------|--------------------------------|---------------------------|
| ISSUED<br><b>08/28/14</b> | <b>PERFORMANCE DATA</b>        | ENCLOSURE<br><b>TEFC</b>  |
| TYPE<br><b>AEHH8B</b>     | <b>3-PHASE INDUCTION MOTOR</b> | CATALOG#<br><b>HB5004</b> |

### NAMEPLATE INFORMATION

| OUTPUT     |            | POLE     | FRAME SIZE   | VOLTAGE    | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|------------|------------|----------|--------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP         | KW         |          |              |            |           |               |            |             |              |                |
| <b>500</b> | <b>373</b> | <b>4</b> | <b>5011B</b> | <b>460</b> | <b>60</b> | <b>50°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>1786</b>   | <b>95.5</b> | <b>96.2</b> | <b>95.8</b> | <b>94.0</b> | <b>90.0</b>  | <b>89.0</b> | <b>84.0</b> | <b>76 KVAR</b>                  |

### CURRENTS

| NO LOAD     | FULL LOAD  | LOCKED ROTOR | NEMA KVA CODE LETTER |
|-------------|------------|--------------|----------------------|
| <b>95.4</b> | <b>541</b> | <b>3625</b>  | <b>G</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>1470</b>     | <b>100</b>        | <b>100</b>   | <b>220</b>      | <b>210</b>                               | <b>1880</b>                                  | <b>2832</b>                                      | <b>5.15</b>                   | <b>7.50</b>                       |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      | 85 |
|-----------|-----------|----------|----------|----|
| <b>26</b> | <b>19</b> | <b>2</b> | <b>1</b> |    |

APPROVED:

**M. PRATER**

DRAWING NO.

**3A057HB5004**

REVISION **0**