

# TECO Westinghouse

|                                   |                                                           |                             |
|-----------------------------------|-----------------------------------------------------------|-----------------------------|
| ISSUED<br><b>November 1, 2018</b> | <b>PERFORMANCE DATA</b><br><b>3-PHASE INDUCTION MOTOR</b> | ENCLOSURE<br><b>TEFC</b>    |
| TYPE<br><b>AEHCEC</b>             |                                                           | CATALOG#<br><b>VSKT3506</b> |

## NAMEPLATE INFORMATION

| OUTPUT     |            | POLE     | FRAME SIZE  | VOLTAGE          | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|------------|------------|----------|-------------|------------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP         | KW         |          |             |                  |           |               |            |             |              |                |
| <b>350</b> | <b>261</b> | <b>6</b> | <b>5808</b> | <b>2300/4000</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 | 1/2 LOAD | F. L.        | 3/4 LOAD | 1/2 LOAD |                                       |
|                     | MIN.       | NOM.  |          |          |              |          |          |                                       |
| 1185                | 94.1%      | 95.0% | 94.5%    | 93.6%    | 86.3%        | 83.4%    | 75.5%    | 112 KVAR                              |

| CURRENTS           |                    |                    |                    |                    |                    | NEMA<br>KVA<br>CODE<br>LETTER |
|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------------------|
| NO LOAD            |                    | FULL LOAD          |                    | LOCKED ROTOR       |                    |                               |
| AT<br>2300<br>VOLT | AT<br>4000<br>VOLT | AT<br>2300<br>VOLT | AT<br>4000<br>VOLT | AT<br>2300<br>VOLT | AT<br>4000<br>VOLT |                               |
| 28.0               | 16.1               | 79.9               | 46.0               | 548                | 315.1              |                               |

| 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>1551</b>     | <b>100</b>        | <b>100</b>   | <b>230</b>      | <b>299</b>                               | <b>3723</b>                                  | <b>7447</b>                                      | <b>6.05</b>                   | <b>11.65</b>                      |

| SAFE STALL TIME IN SECONDS |           | ALLOWABLE STARTS PER HOUR |          | SOUND PRESSURE LEVEL @ 3 FT dB(A) |
|----------------------------|-----------|---------------------------|----------|-----------------------------------|
| COLD                       | HOT       | COLD                      | HOT      |                                   |
| <b>28</b>                  | <b>20</b> | <b>2</b>                  | <b>1</b> |                                   |

|           |              |             |                      |               |
|-----------|--------------|-------------|----------------------|---------------|
| APPROVED: | <b>K. Lo</b> | DRAWING NO. | <b>31059VSKT3506</b> | REV. <b>0</b> |
|-----------|--------------|-------------|----------------------|---------------|