

# TECO Westinghouse

|                                  |                                                           |                              |
|----------------------------------|-----------------------------------------------------------|------------------------------|
| ISSUED<br><b>August 25, 2017</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>VSKTP2004</b> |

## NAMEPLATE INFORMATION

| OUTPUT     |            | POLE     | FRAME SIZE | VOLTAGE          | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|------------|------------|----------|------------|------------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP         | KW         |          |            |                  |           |               |            |             |              |                |
| <b>200</b> | <b>149</b> | <b>4</b> | <b>449</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<br>% | 1/2 LOAD<br>% | F. L.<br>%   | 3/4 LOAD<br>% | 1/2 LOAD<br>% |                                       |
|                     | MIN. %     | NOM. % |               |               |              |               |               |                                       |
| 1780                | 94.1       | 95.0   | 94.8          | 93.9          | 82.9         | 78.9          | 69.2          | 60 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 |                               |
| 15.0               | 8.6                | 47.0               | 27.0               | 316                | 181                |                               |

| 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>590</b>      | <b>110</b>        | <b>90</b>    | <b>210</b>      | <b>72</b>                                | <b>831</b>                                   | <b>1247</b>                                      | <b>5.58</b>                   | <b>8.16</b>                       |

| SAFE STALL TIME IN SECONDS |           | ALLOWABLE STARTS PER HOUR |          | SOUND PRESSURE LEVEL @ 3 FT dB(A) |
|----------------------------|-----------|---------------------------|----------|-----------------------------------|
| COLD                       | HOT       | COLD                      | HOT      |                                   |
| <b>13</b>                  | <b>10</b> | <b>2</b>                  | <b>1</b> |                                   |

|           |                  |             |                       |               |
|-----------|------------------|-------------|-----------------------|---------------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>31059VSKTP2004</b> | REV. <b>0</b> |
|-----------|------------------|-------------|-----------------------|---------------|