

# TECO Westinghouse

|                            |   |                              |
|----------------------------|---|------------------------------|
| ISSUED<br><b>11/1/2018</b> | <b>PERFORMANCE DATA</b><br><b>3-PHASE INDUCTION MOTOR</b> | ENCLOSURE<br><b>WPI</b>      |
| TYPE<br><b>AMRKED</b>      |   | CATALOG#<br><b>VSKP10004</b> |

### NAMEPLATE INFORMATION

| OUTPUT      |            | POLE     | FRAME SIZE  | VOLTS            | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|-------------|------------|----------|-------------|------------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP          | KW         |          |             |                  |           |               |            |             |              |                |
| <b>1000</b> | <b>746</b> | <b>4</b> | <b>5810</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 LOAD RPM | EFFICIENCY  |             |             |             | POWER FACTOR |             |             | MAXIMUM POWER FACTOR CORRECTION |
|---------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|---------------------------------|
|               | FULL LOAD   |             | 3/4 LOAD    | 1/2 LOAD    | FULL LOAD    | 3/4 LOAD    | 1/2 LOAD    |                                 |
|               | MIN%        | NOM%        | %           | %           | %            | %           | %           |                                 |
| <b>1785</b>   | <b>94.5</b> | <b>95.4</b> | <b>95.2</b> | <b>94.3</b> | <b>87.2</b>  | <b>84.6</b> | <b>77.8</b> | <b>261.3 KVAR</b>               |

### CURRENTS

| NO LOAD     |             | FULL LOAD    |              | LOCKED ROTOR  |              | NEMA KVA CODE LETTER |
|-------------|-------------|--------------|--------------|---------------|--------------|----------------------|
| AT          | AT          | AT           | AT           | AT            | AT           |                      |
| 2300 VOLT   | 4000 VOLT   | 2300 VOLT    | 4000 VOLT    | 2300 VOLT     | 4000 VOLT    |                      |
| <b>65.6</b> | <b>37.7</b> | <b>228.0</b> | <b>131.1</b> | <b>1582.0</b> | <b>909.7</b> | <b>G</b>             |

### TORQUE

### INERTIA

### ACCEL TIME

| FULL LOAD   | LOCKED ROTOR | PULL UP   | BREAK DOWN | ROTOR WR <sup>2</sup> | NEMA LOAD WK <sup>2</sup> | MAX ALLOWABLE WK <sup>2</sup> | NEMA LOAD WK <sup>2</sup> | MAX ALLOWABLE WK <sup>2</sup> |
|-------------|--------------|-----------|------------|-----------------------|---------------------------|-------------------------------|---------------------------|-------------------------------|
| lb-ft       | %FLT         | %FLT      | %FLT       | lb-ft <sup>2</sup>    | lb-ft <sup>2</sup>        | lb-ft <sup>2</sup>            | Sec.                      | Sec.                          |
| <b>2940</b> | <b>90</b>    | <b>80</b> | <b>210</b> | <b>336</b>            | <b>3393</b>               | <b>5429</b>                   | <b>4.85</b>               | <b>7.49</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> | <b>87</b>                         |

|           |              |             |                       |      |
|-----------|--------------|-------------|-----------------------|------|
| APPROVED: | <b>K. Lo</b> | DRAWING NO. | <b>3A057VSKP10004</b> | REV. |
|-----------|--------------|-------------|-----------------------|------|