

# 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>VSKP3508</b> |

## NAMEPLATE INFORMATION

| OUTPUT     |            | POLE     | FRAME SIZE  | VOLTS            | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|------------|------------|----------|-------------|------------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP         | KW         |          |             |                  |           |               |            |             |              |                |
| <b>350</b> | <b>261</b> | <b>8</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<br>% | 1/2 LOAD<br>% | FULL LOAD<br>% | 3/4 LOAD<br>% | 1/2 LOAD<br>% |                                       |
|                     | MIN%       | NOM% |               |               |                |               |               |                                       |
| 892                 | 92.4       | 93.6 | 93.4          | 92.5          | 77.9           | 72.1          | 60.4          | 153.0 KVAR                            |

## CURRENTS

| NO LOAD      |              | FULL LOAD    |              | LOCKED ROTOR |              | NEMA KVA CODE LETTER |
|--------------|--------------|--------------|--------------|--------------|--------------|----------------------|
| AT 2300 VOLT | AT 4000 VOLT | AT 2300 VOLT | AT 4000 VOLT | AT 2300 VOLT | AT 4000 VOLT |                      |
| <b>38.4</b>  | <b>22.1</b>  | <b>90.0</b>  | <b>51.8</b>  | <b>554.0</b> | <b>318.6</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>2060</b>     | <b>90</b>         | <b>80</b>    | <b>190</b>      | <b>504</b>                               | <b>7528</b>                                  | <b>15056</b>                                     | <b>7.97</b>                    | <b>15.44</b>                       |

| SAFE STALL TIME IN SECONDS |           | ALLOWABLE STARTS PER HOUR |          | SOUND PRESSURE LEVEL @ 3 FT dB(A) |
|----------------------------|-----------|---------------------------|----------|-----------------------------------|
| COLD                       | HOT       | COLD                      | HOT      |                                   |
| <b>18</b>                  | <b>15</b> | <b>2</b>                  | <b>1</b> | <b>78</b>                         |

|           |              |             |                      |      |
|-----------|--------------|-------------|----------------------|------|
| APPROVED: | <b>K. Lo</b> | DRAWING NO. | <b>3A057VSKP3508</b> | REV. |
|-----------|--------------|-------------|----------------------|------|