

# 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>AMRKNH</b>      |                                                           | CATALOG#<br><b>VHKP1504</b> |

## NAMEPLATE INFORMATION

| OUTPUT     |            | POLE     | FRAME<br>SIZE | VOLTS            | HZ        | RATED<br>AMBIENT | INS.<br>CLASS | NEMA<br>DESIGN | TIME<br>RATING | SERVICE<br>FACTOR |
|------------|------------|----------|---------------|------------------|-----------|------------------|---------------|----------------|----------------|-------------------|
| HP         | KW         |          |               |                  |           |                  |               |                |                |                   |
| <b>150</b> | <b>112</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>% | FULL LOAD<br>% | 3/4 LOAD<br>% | 1/2 LOAD<br>% |                                       |
|                     | MIN%       | NOM% |               |               |                |               |               |                                       |
| 1779                | 93.9       | 94.8 | 93.8          | 92.8          | 84.0           | 80.6          | 71.5          | 41.0 KVAR                             |

## CURRENTS

| NO LOAD            |                    | FULL LOAD          |                    | LOCKED ROTOR       |                    | NEMA<br>KVA<br>CODE<br>LETTER |
|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------------------|
| 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 |                               |
| <b>10.3</b>        | <b>5.9</b>         | <b>36.0</b>        | <b>20.7</b>        | <b>238.0</b>       | <b>136.9</b>       |                               |

## TORQUE

## INERTIA

## ACCEL TIME

| FULL<br>LOAD<br>lb-ft | LOCKED<br>ROTOR<br>%FLT | PULL<br>UP<br>%FLT | BREAK<br>DOWN<br>%FLT | ROTOR<br>WR <sup>2</sup><br>lb-ft <sup>2</sup> | NEMA<br>LOAD<br>WK <sup>2</sup><br>lb-ft <sup>2</sup> | MAX<br>ALLOWABLE<br>WK <sup>2</sup><br>lb-ft <sup>2</sup> | NEMA<br>LOAD<br>WK <sup>2</sup><br>Sec. | MAX<br>ALLOWABLE<br>WK <sup>2</sup><br>Sec. |
|-----------------------|-------------------------|--------------------|-----------------------|------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------|---------------------------------------------|
| <b>440</b>            | <b>110</b>              | <b>100</b>         | <b>200</b>            | <b>50</b>                                      | <b>640</b>                                            | <b>1024</b>                                               | <b>5.9</b>                              | <b>9.2</b>                                  |

| SAFE STALL<br>TIME IN<br>SECONDS |           | ALLOWABLE<br>STARTS<br>PER HOUR |          | SOUND<br>PRESSURE<br>LEVEL @ 3 FT<br>dB(A) |
|----------------------------------|-----------|---------------------------------|----------|--------------------------------------------|
| COLD                             | HOT       | COLD                            | HOT      |                                            |
| <b>19</b>                        | <b>16</b> | <b>2</b>                        | <b>1</b> | <b>80</b>                                  |

|           |              |             |                      |      |
|-----------|--------------|-------------|----------------------|------|
| APPROVED: | <b>K. Lo</b> | DRAWING NO. | <b>3A057VHKP1504</b> | REV. |
|-----------|--------------|-------------|----------------------|------|