

# TECO Westinghouse

|                                   |                                |                           |
|-----------------------------------|--------------------------------|---------------------------|
| ISSUED<br><b>October 10, 2019</b> | <b>PERFORMANCE DATA</b>        | ENCLOSURE<br><b>TEFC</b>  |
| TYPE<br><b>AESV3W</b>             | <b>3-PHASE INDUCTION MOTOR</b> | CATALOG#<br><b>MP0252</b> |

### NAMEPLATE INFORMATION

| OUTPUT    |             | POLE     | FRAME SIZE  | VOLTAGE        | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|-----------|-------------|----------|-------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP        | KW          |          |             |                |           |               |            |             |              |                |
| <b>25</b> | <b>18.7</b> | <b>2</b> | <b>160L</b> | <b>230/460</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 %  | F. L. %      | 3/4 LOAD %  | 1/2 LOAD %  |                                 |
|               | MIN. %      | NOM. %      |             |             |              |             |             |                                 |
| <b>3550</b>   | <b>90.5</b> | <b>91.7</b> | <b>92.0</b> | <b>91.3</b> | <b>93.0</b>  | <b>91.5</b> | <b>87.5</b> | <b>4.7 KVAR</b>                 |

### CURRENTS

| NO LOAD     |            | FULL LOAD   |             | LOCKED ROTOR |            | NEMA KVA CODE LETTER |
|-------------|------------|-------------|-------------|--------------|------------|----------------------|
| AT          | AT         | AT          | AT          | AT           | AT         |                      |
| 230 VOLT    | 460 VOLT   | 230 VOLT    | 460 VOLT    | 230 VOLT     | 460 VOLT   |                      |
| <b>11.8</b> | <b>5.9</b> | <b>54.4</b> | <b>27.2</b> | <b>503</b>   | <b>251</b> | <b>K</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>49.8</b>     | <b>250</b>        | <b>225</b>   | <b>320</b>      | <b>0.256</b>                             | <b>22.8</b>                                  | <b>66.3</b>                                      | <b>2.0</b>                    | <b>5.9</b>                        |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| SAFE STALL TIME IN SECONDS |           | ALLOWABLE STARTS PER HOUR |          | SOUND PRESSURE LEVEL @ 3 FT dB(A) |
|----------------------------|-----------|---------------------------|----------|-----------------------------------|
| COLD                       | HOT       | COLD                      | HOT      |                                   |
| <b>19</b>                  | <b>10</b> | <b>2</b>                  | <b>1</b> | <b>76</b>                         |

|           |              |             |                    |                   |
|-----------|--------------|-------------|--------------------|-------------------|
| APPROVED: | <b>K. Lo</b> | DRAWING NO. | <b>31057MP0252</b> | REVISION <b>0</b> |
|-----------|--------------|-------------|--------------------|-------------------|