

# TECO Westinghouse

|                                     |                                |                           |
|-------------------------------------|--------------------------------|---------------------------|
| ISSUED<br><b>September 30, 2015</b> | <b>PERFORMANCE DATA</b>        | ENCLOSURE<br><b>TEFC</b>  |
| TYPE<br><b>AEHH8N</b>               | <b>3-PHASE INDUCTION MOTOR</b> | CATALOG#<br><b>EP0158</b> |

### NAMEPLATE INFORMATION

| OUTPUT    |             | POLE     | FRAME SIZE  | VOLTAGE        | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|-----------|-------------|----------|-------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP        | KW          |          |             |                |           |               |            |             |              |                |
| <b>15</b> | <b>11.2</b> | <b>8</b> | <b>286T</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>875</b>    | <b>88.5</b> | <b>90.2</b> | <b>90.2</b> | <b>90.2</b> | <b>78</b>    | <b>73</b>  | <b>62</b>  | <b>8 KVAR</b>                   |

### CURRENTS

| NO LOAD      |              |             | FULL LOAD    |              |              | LOCKED ROTOR  |               |               | NEMA KVA CODE LETTER |
|--------------|--------------|-------------|--------------|--------------|--------------|---------------|---------------|---------------|----------------------|
| AT           | AT           | AT          | AT           | AT           | AT           | AT            | AT            | AT            |                      |
| 208 VOLT     | 230 VOLT     | 460 VOLT    | 208 VOLT     | 230 VOLT     | 460 VOLT     | 208 VOLT      | 230 VOLT      | 460 VOLT      |                      |
| <b>22.05</b> | <b>19.94</b> | <b>9.97</b> | <b>44.23</b> | <b>40.00</b> | <b>20.00</b> | <b>256.54</b> | <b>232.00</b> | <b>116.00</b> | <b>G</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>90.01</b>    | <b>200</b>        | <b>170</b>   | <b>230</b>      | <b>7.961</b>                             | <b>400</b>                                   | <b>739</b>                                       | <b>6.49</b>                   | <b>11.89</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>26</b>                  | <b>18</b> | <b>2</b>                  | <b>1</b> | <b>64</b>                         |

|           |                  |             |                    |                   |
|-----------|------------------|-------------|--------------------|-------------------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>31057EP0158</b> | REVISION <b>0</b> |
|-----------|------------------|-------------|--------------------|-------------------|