

# TECO Westinghouse

|                              |                                |                            |
|------------------------------|--------------------------------|----------------------------|
| ISSUED<br><b>May 3, 2011</b> | <b>PERFORMANCE DATA</b>        | ENCLOSURE<br><b>TEFC</b>   |
| TYPE<br><b>AEHH8PCF</b>      | <b>3-PHASE INDUCTION MOTOR</b> | CATALOG#<br><b>NP0256C</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>6</b> | <b>324TC</b> | <b>190/380</b> | <b>50</b> | <b>40°C</b>   | <b>F</b>   | <b>B</b>    | <b>CONT.</b> | <b>1.0</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>970</b>    | <b>89.5</b> | <b>91</b> | <b>92.4</b> | <b>93.6</b> | <b>83.5</b>  | <b>84</b> | <b>80.5</b> | <b>6.33 KVAR</b>                |

### CURRENTS

| NO LOAD      |  | FULL LOAD   |              |          | LOCKED ROTOR |               |  | NEMA KVA CODE LETTER |
|--------------|--|-------------|--------------|----------|--------------|---------------|--|----------------------|
| AT           |  | AT          | AT           | AT       | AT           | AT            |  |                      |
| 190 VOLT     |  | 380 VOLT    | 190 VOLT     | 380 VOLT | 190 VOLT     | 380 VOLT      |  |                      |
| <b>15.90</b> |  | <b>7.95</b> | <b>74.60</b> |          | <b>37.30</b> | <b>486.00</b> |  | <b>H</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>135.3</b>    | <b>140</b>        | <b>115</b>   | <b>170</b>      | <b>11.877</b>                            | <b>502.241</b>                               | <b>870</b>                                       | <b>8.07</b>                   | <b>13.84</b>                      |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      |           |
|-----------|-----------|----------|----------|-----------|
| <b>38</b> | <b>27</b> | <b>2</b> | <b>1</b> | <b>70</b> |

|           |                  |             |                        |                   |
|-----------|------------------|-------------|------------------------|-------------------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>31057NP0256C-50</b> | REVISION <b>0</b> |
|-----------|------------------|-------------|------------------------|-------------------|