

# TECO Westinghouse

|                                    |                                |                           |
|------------------------------------|--------------------------------|---------------------------|
| ISSUED<br><b>December 23, 2010</b> | <b>PERFORMANCE DATA</b>        | ENCLOSURE<br><b>TEFC</b>  |
| TYPE<br><b>AEHH8P</b>              | <b>3-PHASE INDUCTION MOTOR</b> | CATALOG#<br><b>NP0012</b> |

### NAMEPLATE INFORMATION

| OUTPUT   |            | POLE     | FRAME SIZE  | VOLTAGE        | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|----------|------------|----------|-------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP       | KW         |          |             |                |           |               |            |             |              |                |
| <b>1</b> | <b>0.7</b> | <b>2</b> | <b>143T</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>2815</b>   | <b>77</b>  | <b>80</b> | <b>82.5</b> | <b>81.5</b> | <b>91.5</b>  | <b>88</b> | <b>80</b> | <b>0.36 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>0.90</b> |  | <b>0.45</b> | <b>3.10</b> |  | <b>1.55</b> | <b>40.00</b> |  | <b>20.00</b> | <b>P</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>1.865</b>    | <b>240</b>        | <b>215</b>   | <b>250</b>      | <b>0.046</b>                             | <b>1.9237</b>                                | <b>5.8</b>                                       | <b>4.35</b>                   | <b>12.92</b>                      |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      | 49 |
|-----------|-----------|----------|----------|----|
| <b>17</b> | <b>12</b> | <b>2</b> | <b>1</b> |    |

|           |                  |             |                       |                   |
|-----------|------------------|-------------|-----------------------|-------------------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>31057NP0012-50</b> | REVISION <b>0</b> |
|-----------|------------------|-------------|-----------------------|-------------------|