

# 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>NP0752</b> |

### NAMEPLATE INFORMATION

| OUTPUT    |             | POLE     | FRAME SIZE   | VOLTAGE        | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|-----------|-------------|----------|--------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP        | KW          |          |              |                |           |               |            |             |              |                |
| <b>75</b> | <b>56.0</b> | <b>2</b> | <b>365TS</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>2945</b>   | <b>92.4</b> | <b>93.6</b> | <b>94.5</b> | <b>93.6</b> | <b>94</b>    | <b>94</b> | <b>91.5</b> | <b>8.60 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>21.60</b> |  | <b>10.80</b> | <b>193.20</b> | <b>96.60</b> | <b>1444.00</b> | <b>722.00</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>133.7</b>    | <b>150</b>        | <b>135</b>   | <b>240</b>      | <b>9.056</b>                             | <b>110.679</b>                               | <b>225.7142857</b>                               | <b>4.59</b>                   | <b>8.99</b>                       |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      | 83 |
|-----------|-----------|----------|----------|----|
| <b>17</b> | <b>12</b> | <b>2</b> | <b>1</b> |    |

|           |                  |             |                       |                   |
|-----------|------------------|-------------|-----------------------|-------------------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>31057NP0752-50</b> | REVISION <b>0</b> |
|-----------|------------------|-------------|-----------------------|-------------------|