

# TECO Westinghouse

|                                 |                                                           |                                |
|---------------------------------|-----------------------------------------------------------|--------------------------------|
| ISSUED<br><b>March 18, 2011</b> | <b>PERFORMANCE DATA</b><br><b>3-PHASE INDUCTION MOTOR</b> | ENCLOSURE<br><b>TEFC</b>       |
| TYPE<br><b>AEUH8NDC</b>         |                                                           | CATALOG#<br><b>EPV0756C-50</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>6</b> | <b>405TC</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<br>LOAD<br>RPM | EFFICIENCY |        |               |               | POWER FACTOR |               |               | MAXIMUM<br>POWER FACTOR<br>CORRECTION |
|---------------------|------------|--------|---------------|---------------|--------------|---------------|---------------|---------------------------------------|
|                     | FULL LOAD  |        | 3/4 LOAD<br>% | 1/2 LOAD<br>% | F. L.<br>%   | 3/4 LOAD<br>% | 1/2 LOAD<br>% |                                       |
|                     | MIN. %     | NOM. % |               |               |              |               |               |                                       |
| 975                 | 92.4       | 93.6   | 94.5          | 95.4          | 88.5         | 89.0          | 86.5          | 16.01 KVAR                            |

## CURRENTS

| NO LOAD      |  |              | FULL LOAD     |  |               | LOCKED ROTOR   |  |               | NEMA KVA CODE LETTER |
|--------------|--|--------------|---------------|--|---------------|----------------|--|---------------|----------------------|
| AT 190 VOLT  |  | AT 380 VOLT  | AT 190 VOLT   |  | AT 380 VOLT   | AT 190 VOLT    |  | AT 380 VOLT   |                      |
| <b>40.20</b> |  | <b>20.10</b> | <b>206.00</b> |  | <b>103.00</b> | <b>1444.00</b> |  | <b>722.00</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>403.9</b>    | <b>140</b>        | <b>130</b>   | <b>200</b>      | <b>37.862</b>                            | <b>1406.01</b>                               | <b>2204.285714</b>                               | <b>6.93</b>                   | <b>10.76</b>                      |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      | 78 |
|-----------|-----------|----------|----------|----|
| <b>17</b> | <b>12</b> | <b>2</b> | <b>1</b> |    |

APPROVED:

**M. PRATER**

DRAWING NO.

**31057EPV0756C-50**

REVISION **0**