

# TECO Westinghouse

|                                 |                                |                                     |
|---------------------------------|--------------------------------|-------------------------------------|
| ISSUED<br><b>April 11, 2011</b> | <b>PERFORMANCE DATA</b>        | ENCLOSURE<br><b>EXPLOSION PROOF</b> |
| TYPE<br><b>AEHXXF</b>           | <b>3-PHASE INDUCTION MOTOR</b> | CATALOG#<br><b>XP0106C</b>          |

### NAMEPLATE INFORMATION

| OUTPUT    |            | POLE     | FRAME SIZE   | VOLTAGE        | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|-----------|------------|----------|--------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP        | KW         |          |              |                |           |               |            |             |              |                |
| <b>10</b> | <b>7.5</b> | <b>6</b> | <b>256TC</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>1175</b>   | <b>89.5</b> | <b>91</b> | <b>92</b> | <b>91</b> | <b>81.5</b>  | <b>76.5</b> | <b>65</b> | <b>4.4 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>12.27</b> | <b>11.10</b> | <b>5.55</b> | <b>27.87</b> | <b>25.20</b> | <b>12.60</b> | <b>179.13</b> | <b>162.00</b> | <b>81.00</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>44.68</b>    | <b>260</b>        | <b>210</b>   | <b>280</b>      | <b>2.872</b>                             | <b>137</b>                                   | <b>333.69</b>                                    | <b>4.91</b>                   | <b>11.81</b>                      |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD |    | HOT |   |  |
|------|----|-----|---|--|
| 26   | 18 | 2   | 1 |  |

|           |                  |             |                     |                   |
|-----------|------------------|-------------|---------------------|-------------------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>31057XP0106C</b> | REVISION <b>0</b> |
|-----------|------------------|-------------|---------------------|-------------------|