

# TECO Westinghouse

|                                |                                                           |                                     |
|--------------------------------|-----------------------------------------------------------|-------------------------------------|
| ISSUED<br><b>April 6, 2011</b> | <b>PERFORMANCE DATA</b><br><b>3-PHASE INDUCTION MOTOR</b> | ENCLOSURE<br><b>EXPLOSION PROOF</b> |
| TYPE<br><b>AEHHXU</b>          |                                                           | CATALOG#<br><b>XP0204</b>           |

## NAMEPLATE INFORMATION

| OUTPUT    |             | POLE     | FRAME SIZE  | VOLTAGE        | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|-----------|-------------|----------|-------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP        | KW          |          |             |                |           |               |            |             |              |                |
| <b>20</b> | <b>14.9</b> | <b>4</b> | <b>256T</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<br>LOAD<br>RPM | EFFICIENCY |        |          |          | POWER FACTOR |          |          | MAXIMUM<br>POWER FACTOR<br>CORRECTION |
|---------------------|------------|--------|----------|----------|--------------|----------|----------|---------------------------------------|
|                     | FULL LOAD  |        | 3/4 LOAD | 1/2 LOAD | F. L.        | 3/4 LOAD | 1/2 LOAD |                                       |
|                     | MIN. %     | NOM. % |          |          |              |          |          |                                       |
| 1765                | 91.7       | 93     | 93       | 93       | 85.5         | 83       | 75.5     | 5.9 KVAR                              |

## 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>16.37</b> | <b>14.80</b> | <b>7.40</b> | <b>52.19</b> | <b>47.20</b> | <b>23.60</b> | <b>320.67</b> | <b>290.00</b> | <b>145.00</b> | <b>G</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>59.49</b>    | <b>200</b>        | <b>135</b>   | <b>255</b>      | <b>2.741</b>                             | <b>99</b>                                    | <b>172.00</b>                                    | <b>4.65</b>                   | <b>7.98</b>                       |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      | 65 |
|-----------|-----------|----------|----------|----|
| <b>17</b> | <b>12</b> | <b>2</b> | <b>1</b> |    |

APPROVED:

**M. PRATER**

DRAWING NO.

**31057XP0204**

REVISION **0**