

# TECO Westinghouse

|                                 |                                                           |                           |
|---------------------------------|-----------------------------------------------------------|---------------------------|
| ISSUED<br><b>March 11, 2005</b> | <b>PERFORMANCE DATA</b><br><b>3-PHASE INDUCTION MOTOR</b> | ENCLOSURE<br><b>TEFC</b>  |
| TYPE<br><b>AEHHXU</b>           |                                                           | CATALOG#<br><b>XP7/58</b> |

## NAMEPLATE INFORMATION

| OUTPUT     |            | POLE     | FRAME SIZE  | VOLTAGE        | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|------------|------------|----------|-------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP         | KW         |          |             |                |           |               |            |             |              |                |
| <b>7.5</b> | <b>5.6</b> | <b>8</b> | <b>256T</b> | <b>230/460</b> | <b>60</b> | <b>40°C</b>   | <b>F</b>   | <b>C</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>865</b>    | <b>82.5</b> | <b>85.5</b> | <b>85.5</b> | <b>84</b> | <b>71.5</b>  | <b>63.5</b> | <b>50</b> | <b>6 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>15.88</b> | <b>14.36</b> | <b>7.18</b> | <b>25.43</b> | <b>23.00</b> | <b>11.50</b> | <b>140.43</b> | <b>127.00</b> | <b>63.50</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>45.52</b>    | <b>200</b>        | <b>190</b>   | <b>240</b>      | <b>2.042</b>                             | <b>208</b>                                   | <b>443</b>                                       | <b>6.37</b>                   | <b>13.50</b>                      |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      | 58 |
|-----------|-----------|----------|----------|----|
| <b>37</b> | <b>26</b> | <b>2</b> | <b>1</b> |    |

APPROVED:

**M. PRATER**

DRAWING NO.

**31057XP7/58**

REVISION **0**