

# TECO Westinghouse

|                           |                                                           |                                     |
|---------------------------|-----------------------------------------------------------|-------------------------------------|
| ISSUED<br><b>04/06/11</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>XP1502</b>           |

## NAMEPLATE INFORMATION

| OUTPUT     |            | POLE     | FRAME SIZE   | VOLTAGE    | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|------------|------------|----------|--------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP         | KW         |          |              |            |           |               |            |             |              |                |
| <b>150</b> | <b>112</b> | <b>2</b> | <b>445TS</b> | <b>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>3570</b>   | <b>94.1</b> | <b>95</b> | <b>94.5</b> | <b>93.6</b> | <b>90</b>    | <b>85</b> | <b>81.5</b> | <b>33 KVAR</b>                  |

| CURRENTS  |            |              | NEMA KVA CODE LETTER |
|-----------|------------|--------------|----------------------|
| NO LOAD   | FULL LOAD  | LOCKED ROTOR |                      |
| <b>42</b> | <b>169</b> | <b>1085</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>220</b>      | <b>100</b>        | <b>80</b>    | <b>210</b>      | <b>22</b>                                | <b>133</b>                                   | <b>215</b>                                       | <b>5.27</b>                   | <b>8.06</b>                       |

| SAFE STALL TIME IN SECONDS |           | ALLOWABLE STARTS PER HOUR |          | SOUND PRESSURE LEVEL @ 3 FT dB(A) |
|----------------------------|-----------|---------------------------|----------|-----------------------------------|
| COLD                       | HOT       | COLD                      | HOT      |                                   |
| <b>55</b>                  | <b>17</b> | <b>2</b>                  | <b>1</b> | <b>85</b>                         |

|           |                  |             |                    |                   |
|-----------|------------------|-------------|--------------------|-------------------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>3A057XP1502</b> | REVISION <b>0</b> |
|-----------|------------------|-------------|--------------------|-------------------|