

# TECO Westinghouse

|                                   |   |                           |
|-----------------------------------|---|---------------------------|
| ISSUED<br><b>January 21, 2004</b> | <b>PERFORMANCE DATA</b><br><b>SINGLE PHASE</b><br><b>FARM DUTY MOTORS</b> | ENCLOSURE<br><b>TEFC</b>  |
| TYPE<br><b>BECSFD</b>             |   | CATALOG#<br><b>S0054C</b> |

### NAMEPLATE INFORMATION

| OUTPUT   |          | FRAME SIZE  | POLES    | VOLTAGE    | HZ        | INSULATION CLASS | RATED AMBIENT | TIME RATING  | SERVICE FACTOR |
|----------|----------|-------------|----------|------------|-----------|------------------|---------------|--------------|----------------|
| HP       | KW       |             |          |            |           |                  |               |              |                |
| <b>5</b> | <b>4</b> | <b>184T</b> | <b>4</b> | <b>230</b> | <b>60</b> | <b>F</b>         | <b>40°C</b>   | <b>CONT.</b> | <b>1.15</b>    |

### TYPICAL PERFORMANCE

| FULL LOAD RPM | EFFICIENCY  |             |             | POWER FACTOR |             |             |
|---------------|-------------|-------------|-------------|--------------|-------------|-------------|
|               | FULL LOAD   | 3/4 LOAD    | 1/2 LOAD    | FULL LOAD    | 3/4 LOAD    | 1/2 LOAD    |
|               | %           | %           | %           | %            | %           | %           |
| <b>1750</b>   | <b>78.5</b> | <b>74.1</b> | <b>69.1</b> | <b>69</b>    | <b>63.4</b> | <b>50.8</b> |

| CURRENTS    |           |              |
|-------------|-----------|--------------|
| NO LOAD     | FULL LOAD | LOCKED ROTOR |
| <b>21.1</b> | <b>30</b> | <b>192</b>   |

| CAPACITORS |            |           |            |
|------------|------------|-----------|------------|
| STARTING   |            | RUNNING   |            |
| MFD        | VOLTS      | MFD       | VOLTS      |
| <b>400</b> | <b>250</b> | <b>25</b> | <b>440</b> |

| TORQUE    |              |            |
|-----------|--------------|------------|
| FULL LOAD | LOCKED ROTOR | BREAK DOWN |
| lb-ft     | %FLT         | %FLT       |
| <b>15</b> | <b>340</b>   | <b>300</b> |

| INERTIA            |                    |                    |
|--------------------|--------------------|--------------------|
| ROTOR              | NEMA LOAD          | MAX ALLOWABLE      |
| WR <sup>2</sup>    | WK <sup>2</sup>    | WK <sup>2</sup>    |
| lb-ft <sup>2</sup> | lb-ft <sup>2</sup> | lb-ft <sup>2</sup> |
| <b>0.451</b>       | <b>27</b>          | <b>23.98</b>       |

| ACCEL TIME      |                 |
|-----------------|-----------------|
| NEMA LOAD       | MAX ALLOWABLE   |
| WK <sup>2</sup> | WK <sup>2</sup> |
| Sec             | Sec             |
| <b>3.71</b>     | <b>3.31</b>     |

| SAFE STALL TIME IN SECONDS |          | ALLOWABLE STARTS PER HOUR |          |
|----------------------------|----------|---------------------------|----------|
| COLD                       | HOT      | COLD                      | HOT      |
| <b>8</b>                   | <b>4</b> | <b>2</b>                  | <b>1</b> |

| SOUND PRESSURE LEVEL @ 3 FT dB(A) |
|-----------------------------------|
| <b>67</b>                         |

|           |                  |             |                    |                   |
|-----------|------------------|-------------|--------------------|-------------------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>31057S0054C</b> | REVISION <b>0</b> |
|-----------|------------------|-------------|--------------------|-------------------|