

|          |         |          |              |            |           |       |                  |
|----------|---------|----------|--------------|------------|-----------|-------|------------------|
| Volts    | 208-230 | Max RPM  | 4000         | Conn Diag. | CD0006B03 | Leads | 3                |
| Amps     | 7.4-7.3 | Max Amps |              | Cs Diagram | CS1127    | BEMF  | 106              |
| HP       | 3       | VFD#     | ECIN2A10P5   |            |           | LD    | 14.4             |
| RPM      | 1800    | S.F.     | 1.00         |            |           | LQ    | 54.4             |
| Phase/Hz | 3/60    | Rating   | 40C AMB-CONT |            |           | Rs    | 1.0504 Meas. L-L |

### 60034-2-3 Motor Performance at Standardized Operating Points

|    | RPM  | % Speed | LB-FT | % Torque | HP  | Efficiency | Loss (% FL) | Watts Loss (W) |
|----|------|---------|-------|----------|-----|------------|-------------|----------------|
| P1 | 1629 | 90%     | 8.8   | 100%     | 2.7 | 92.0       | 7.86%       | 178            |
| P2 | 904  | 50%     | 8.8   | 100%     | 1.5 | 90.1       | 5.50%       | 125            |
| P3 | 452  | 25%     | 8.8   | 100%     | 0.8 | 84.6       | 4.51%       | 102            |
| P4 | 1628 | 90%     | 4.4   | 50%      | 1.4 | 92.3       | 3.75%       | 85             |
| P5 | 905  | 50%     | 4.4   | 50%      | 0.8 | 90.7       | 2.54%       | 58             |
| P6 | 905  | 50%     | 2.2   | 25%      | 0.4 | 89.2       | 1.51%       | 34             |
| P7 | 452  | 25%     | 2.2   | 25%      | 0.2 | 86.7       | 0.96%       | 22             |

### 61800-9-2 PDS Performance at Reference Operating Points

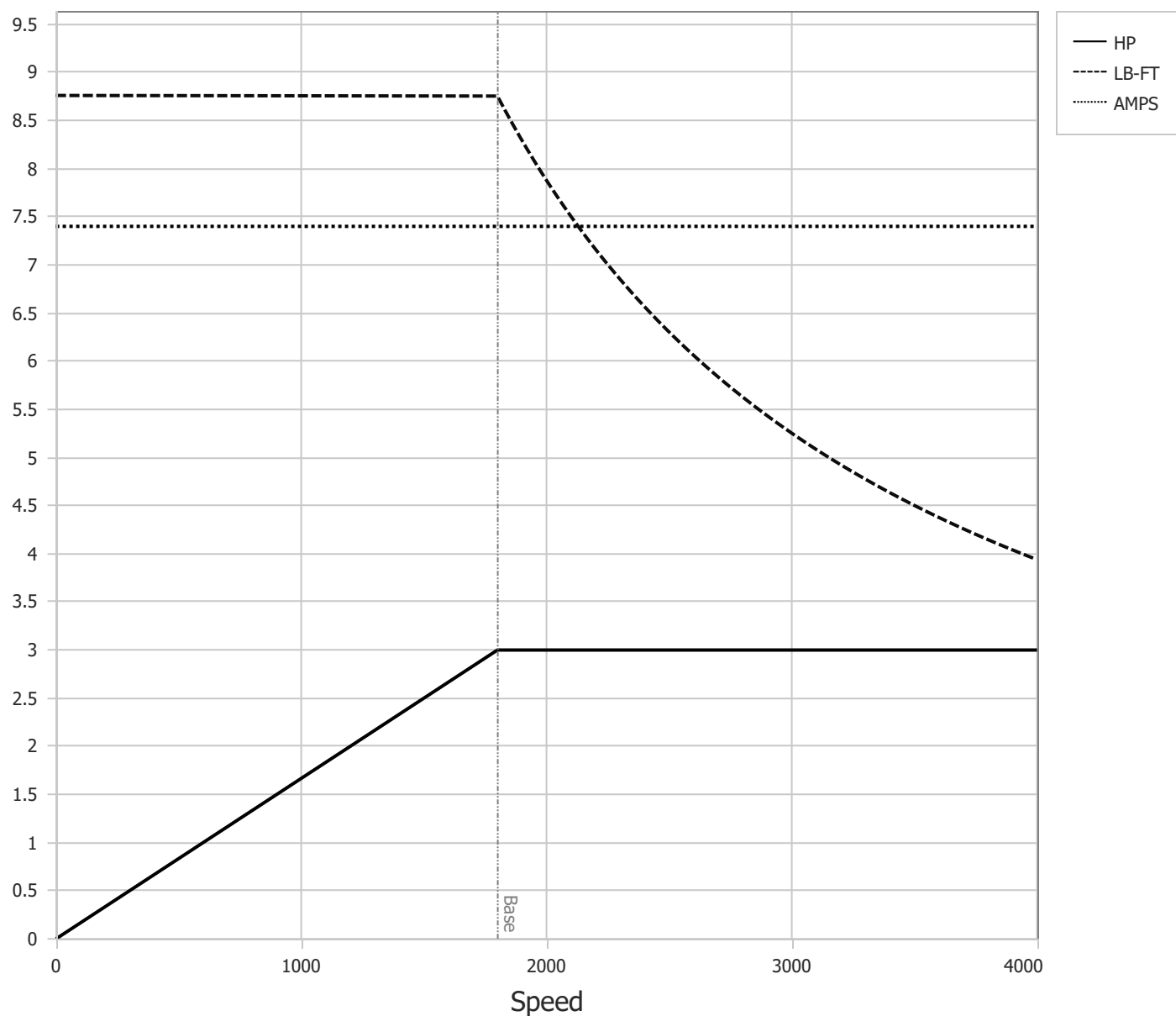
|    | RPM  | % Speed | LB-FT | % Torque | HP  | System Efficiency | Loss (% FL) | Watts Loss (W) |
|----|------|---------|-------|----------|-----|-------------------|-------------|----------------|
| P1 | 1810 | 100%    | 8.8   | 100%     | 3.0 | 90.3              | 10.73%      | 243            |
| P2 | 904  | 50%     | 8.8   | 100%     | 1.5 | 84.5              | 9.12%       | 206            |
| P3 | 301  | 17%     | 8.8   | 100%     | 0.5 | 68.5              | 7.60%       | 172            |
| P4 | 1808 | 100%    | 4.4   | 50%      | 1.5 | 88.7              | 6.33%       | 143            |
| P5 | 905  | 50%     | 4.4   | 50%      | 0.8 | 84.5              | 4.54%       | 103            |
| P6 | 301  | 17%     | 4.4   | 50%      | 0.3 | 69.6              | 3.61%       | 82             |
| P7 | 905  | 50%     | 2.2   | 25%      | 0.4 | 81.7              | 2.79%       | 63             |
| P8 | 301  | 17%     | 2.2   | 25%      | 0.1 | 66.9              | 2.04%       | 46             |

Points not taken in certified order.

|                          |         |                   |                                            |                                                   |
|--------------------------|---------|-------------------|--------------------------------------------|---------------------------------------------------|
| <b>BALDOR • RELIANCE</b> | DR By:  | <u>R &amp; D</u>  | <b>AC MOTOR<br/>PERFORMANCE<br/>CURVES</b> | <b>36WGA0023</b><br>36-0000-0620<br>Test - 111850 |
|                          | CK By:  | <u>USBIBAK</u>    |                                            |                                                   |
|                          | APP By: | <u>USWEQUA1</u>   |                                            |                                                   |
|                          | Date:   | <u>01/28/2025</u> |                                            |                                                   |

|          |         |          |              |            |           |       |                 |
|----------|---------|----------|--------------|------------|-----------|-------|-----------------|
| Volts    | 208-230 | Max RPM  | 4000         | Conn Diag. | CD0006B03 | Leads | 3               |
| Amps     | 7.4-7.3 | Max Amps |              | Cs Diagram | CS1127    | BEMF  | 106             |
| HP       | 3       | VFD #    | ECIN2A10P5   |            |           | LD    | 14.4            |
| RPM      | 1800    | S.F.     | 1.00         |            |           | LQ    | 54.4            |
| Phase/Hz | 3/60    | Rating   | 40C AMB-CONT |            |           | Rs    | 1.0504 Meas L-L |

Constant Duty Operating Range



**BALDOR • RELIANCE**

DR By: R & D  
 CK By: USBIBAK  
 APP By: USWEQUA1  
 Date: 01/28/2025

**AC MOTOR  
PERFORMANCE  
CURVES**

**36WGA0023**  
 36-0000-0620  
 Test - 111850