

|          |      |          |              |            |           |       |                  |
|----------|------|----------|--------------|------------|-----------|-------|------------------|
| Volts    | 460  | Max RPM  | 3000         | Conn Diag. | CD0006B03 | Leads | 3                |
| Amps     | 3.7  | Max Amps |              | Cs Diagram | CS1126    | BEMF  | 172              |
| HP       | 3    | VFD#     | ECI4A4P1     |            |           | LD    | 51               |
| RPM      | 1800 | S.F.     | 1.00         |            |           | LQ    | 177              |
| Phase/Hz | 3/60 | Rating   | 40C AMB CONT |            |           | Rs    | 3.8460 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 | 1627 | 90%     | 8.8   | 100%     | 2.7 | 91.3       | 8.59%       | 194            |
| P2 | 904  | 50%     | 8.8   | 100%     | 1.5 | 89.3       | 6.00%       | 136            |
| P3 | 452  | 25%     | 8.8   | 100%     | 0.8 | 83.4       | 4.94%       | 112            |
| P4 | 1628 | 90%     | 4.4   | 50%      | 1.4 | 91.8       | 3.99%       | 90             |
| P5 | 904  | 50%     | 4.4   | 50%      | 0.8 | 89.9       | 2.80%       | 63             |
| P6 | 904  | 50%     | 2.2   | 25%      | 0.4 | 87.9       | 1.70%       | 39             |
| P7 | 452  | 25%     | 2.2   | 25%      | 0.2 | 83.7       | 1.21%       | 27             |

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

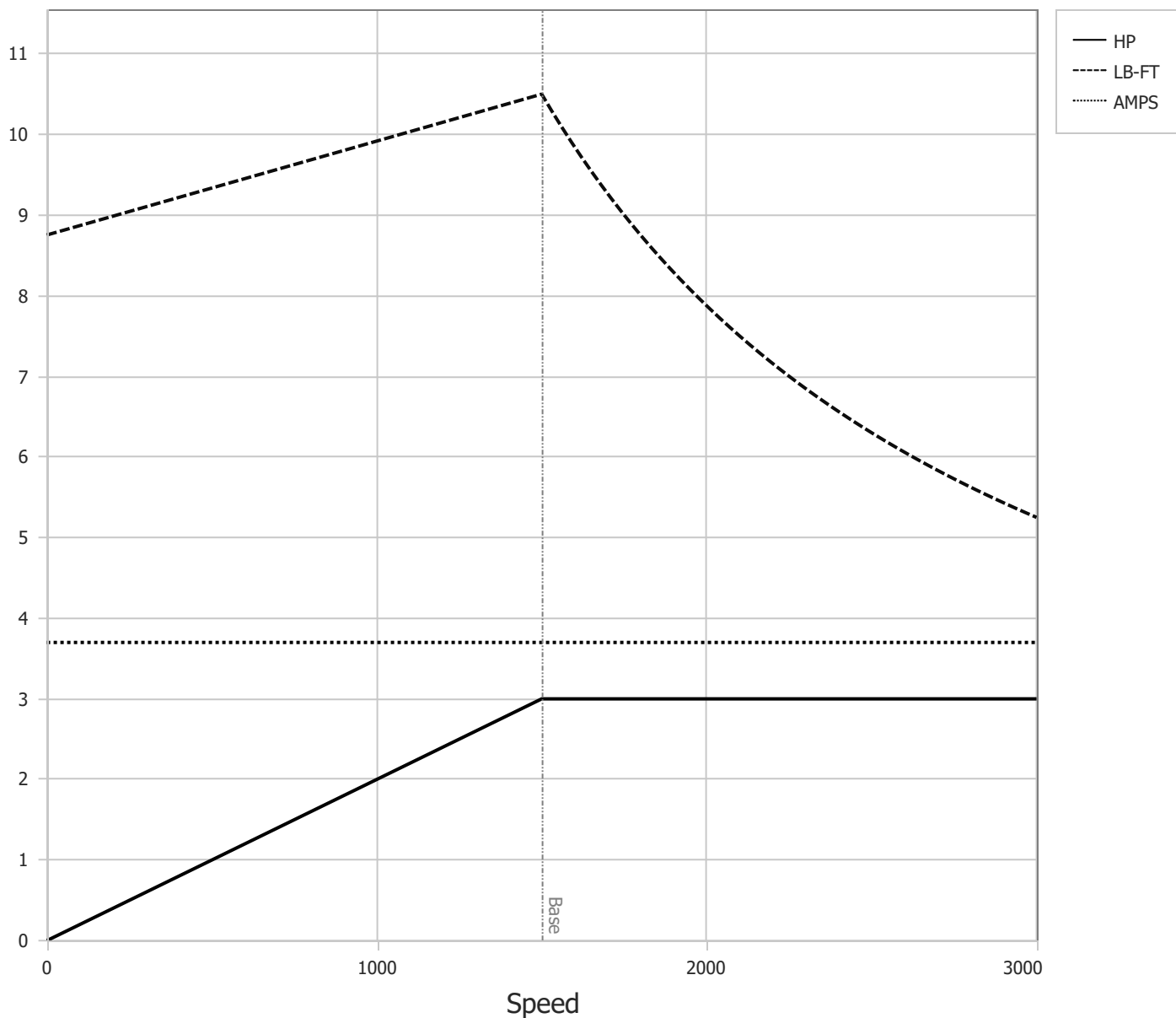
|    | RPM  | % Speed | LB-FT | % Torque | HP  | System Efficiency | Loss (% FL) | Watts Loss (W) |
|----|------|---------|-------|----------|-----|-------------------|-------------|----------------|
| P1 | 1804 | 100%    | 8.8   | 100%     | 3.0 | 89.8              | 11.23%      | 254            |
| P2 | 904  | 50%     | 8.8   | 100%     | 1.5 | 84.8              | 8.87%       | 201            |
| P3 | 301  | 17%     | 8.8   | 100%     | 0.5 | 69.2              | 7.37%       | 167            |
| P4 | 1809 | 100%    | 4.4   | 50%      | 1.5 | 88.5              | 6.44%       | 146            |
| P5 | 904  | 50%     | 4.4   | 50%      | 0.8 | 84.1              | 4.70%       | 106            |
| P6 | 301  | 17%     | 4.4   | 50%      | 0.3 | 68.2              | 3.86%       | 87             |
| P7 | 904  | 50%     | 2.2   | 25%      | 0.4 | 80.2              | 3.06%       | 69             |
| P8 | 301  | 17%     | 2.2   | 25%      | 0.1 | 62.6              | 2.46%       | 56             |

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>36WGA0025</b><br>36-0000-3655<br>Test - 111781 |
|                          | CK By:  | <u>USBIBAK</u>    |                                            |                                                   |
|                          | APP By: | <u>USJAROB1</u>   |                                            |                                                   |
|                          | Date:   | <u>01/09/2025</u> |                                            |                                                   |

|          |      |          |              |            |           |       |                 |
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| HP       | 3    | VFD #    | ECI4A4P1     |            |           | LD    | 51              |
| RPM      | 1800 | S.F.     | 1.00         |            |           | LQ    | 177             |
| Phase/Hz | 3/60 | Rating   | 40C AMB CONT |            |           | Rs    | 3.8460 Meas L-L |

### Constant Duty Operating Range



**BALDOR • RELIANCE**

DR By: R & D  
 CK By: USBIBAK  
 APP By: USJAROB1  
 Date: 01/09/2025

**AC MOTOR  
PERFORMANCE  
CURVES**

**36WGA0025**  
 36-0000-3655  
 Test - 111781