

|          |      |          |              |            |           |       |                  |
|----------|------|----------|--------------|------------|-----------|-------|------------------|
| Volts    | 230  | Max RPM  | 4000         | Conn Diag. | CD0006B03 | Leads | 3                |
| Amps     | 10.5 | Max Amps |              | Cs Diagram | CS1127    | BEMF  | 126              |
| HP       | 5    | VFD#     | ECIN2A10P5   |            |           | LD    | 13.5             |
| RPM      | 1800 | S.F.     | 1.00         |            |           | LQ    | 47.8             |
| Phase/Hz | 3/60 | Rating   | 40C AMB-CONT |            |           | Rs    | 0.8309 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 | 1630 | 90%     | 14.6  | 100%     | 4.5 | 93.3       | 6.49%       | 245            |
| P2 | 904  | 50%     | 14.6  | 100%     | 2.5 | 90.6       | 5.17%       | 195            |
| P3 | 452  | 25%     | 14.6  | 100%     | 1.3 | 85.0       | 4.39%       | 166            |
| P4 | 1628 | 90%     | 7.3   | 50%      | 2.3 | 93.3       | 3.24%       | 122            |
| P5 | 905  | 50%     | 7.3   | 50%      | 1.3 | 91.7       | 2.26%       | 85             |
| P6 | 905  | 50%     | 3.7   | 25%      | 0.6 | 91.3       | 1.19%       | 45             |
| P7 | 453  | 25%     | 3.6   | 25%      | 0.3 | 88.6       | 0.80%       | 30             |

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

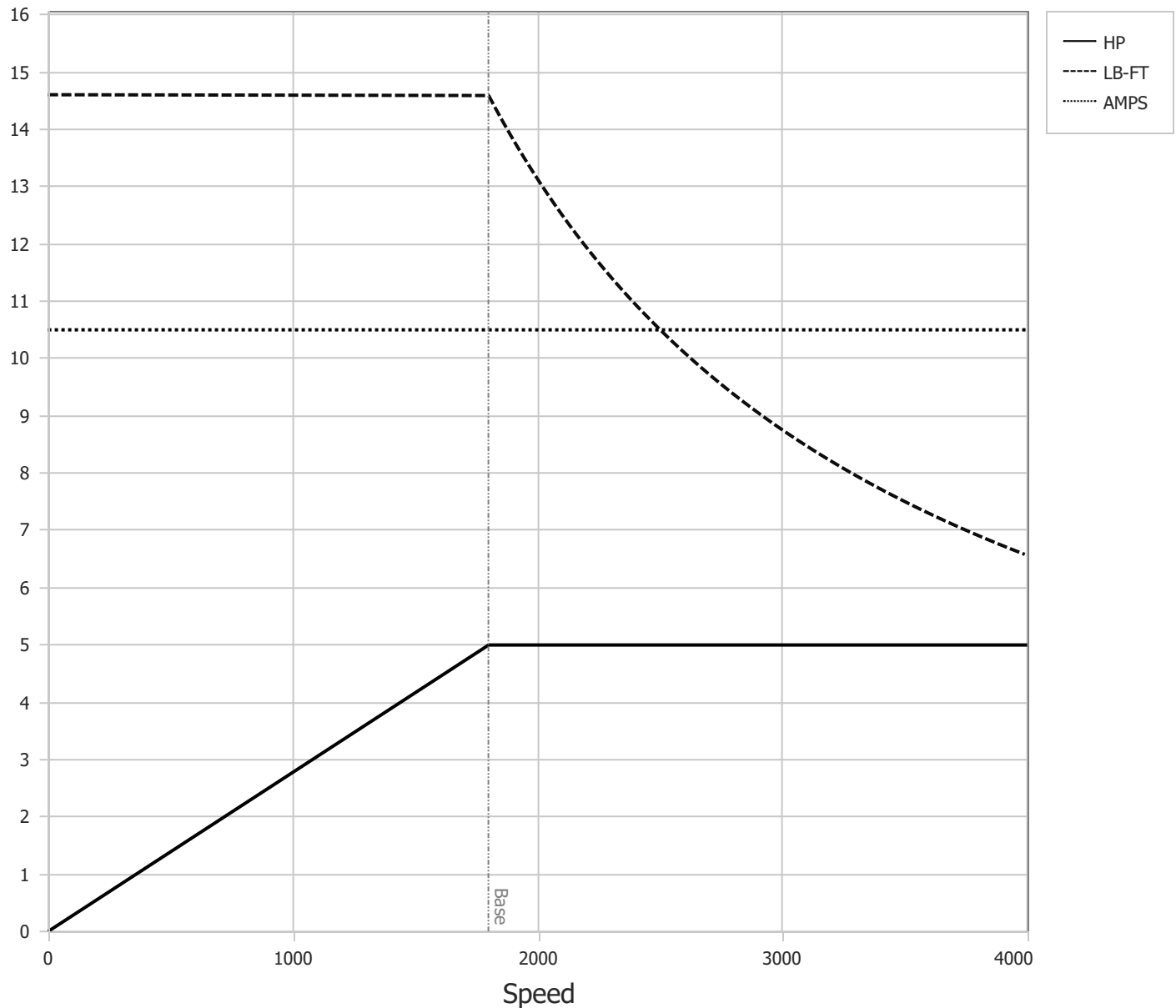
|    | RPM  | % Speed | LB-FT | % Torque | HP  | System Efficiency | Loss (% FL) | Watts Loss (W) |
|----|------|---------|-------|----------|-----|-------------------|-------------|----------------|
| P1 | 1810 | 100%    | 14.6  | 100%     | 5.0 | 90.8              | 10.11%      | 382            |
| P2 | 904  | 50%     | 14.6  | 100%     | 2.5 | 86.0              | 8.09%       | 305            |
| P3 | 301  | 17%     | 14.6  | 100%     | 0.8 | 70.7              | 6.86%       | 259            |
| P4 | 1811 | 100%    | 7.3   | 50%      | 2.5 | 90.8              | 5.06%       | 191            |
| P5 | 905  | 50%     | 7.3   | 50%      | 1.3 | 86.6              | 3.85%       | 145            |
| P6 | 301  | 17%     | 7.3   | 50%      | 0.4 | 73.0              | 3.06%       | 115            |
| P7 | 905  | 50%     | 3.7   | 25%      | 0.6 | 85.2              | 2.16%       | 82             |
| P8 | 302  | 17%     | 3.6   | 25%      | 0.2 | 72.2              | 1.59%       | 60             |

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>36WGA0024</b><br>36-0000-0618<br>Test - 111814 |
|                          | CK By:  | <u>USTOSAN</u>    |                                            |                                                   |
|                          | APP By: | <u>USWEQUA1</u>   |                                            |                                                   |
|                          | Date:   | <u>01/17/2025</u> |                                            |                                                   |

|          |      |          |              |            |           |       |                 |
|----------|------|----------|--------------|------------|-----------|-------|-----------------|
| Volts    | 230  | Max RPM  | 4000         | Conn Diag. | CD0006B03 | Leads | 3               |
| Amps     | 10.5 | Max Amps |              | Cs Diagram | CS1127    | BEMF  | 126             |
| HP       | 5    | VFD #    | ECIN2A10P5   |            |           | LD    | 13.5            |
| RPM      | 1800 | S.F.     | 1.00         |            |           | LQ    | 47.8            |
| Phase/Hz | 3/60 | Rating   | 40C AMB-CONT |            |           | Rs    | 0.8309 Meas L-L |

Constant Duty Operating Range



**BALDOR • RELIANCE**

DR By: R & D  
 CK By: USTOSAN  
 APP By: USWEQUA1  
 Date: 01/17/2025

**AC MOTOR  
PERFORMANCE  
CURVES**

**36WGA0024**  
 36-0000-0618  
 Test - 111814