

|          |      |          |              |            |           |       |                   |
|----------|------|----------|--------------|------------|-----------|-------|-------------------|
| Volts    | 380  | Max RPM  | 4000         | Conn Diag. | CD0006B03 | Leads | 3                 |
| Amps     | 2.2  | Max Amps |              | Cs Diagram | CS1126    | BEMF  | 296               |
| KW       | 1.5  | VFD#     | ECIN4A44P1   |            |           | LD    | 78.9              |
| RPM      | 1500 | S.F.     | 1.00         |            |           | LQ    | 406               |
| Phase/Hz | 3/50 | Rating   | 40C AMB-CONT |            |           | Rs    | 11.7387 Meas. L-L |

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

|    | RPM  | % Speed | LB-FT | % Torque | KW  | Efficiency | Loss (% FL) | Watts Loss (W) |
|----|------|---------|-------|----------|-----|------------|-------------|----------------|
| P1 | 1361 | 90%     | 7.0   | 100%     | 1.4 | 88.8       | 11.51%      | 173            |
| P2 | 755  | 50%     | 7.0   | 100%     | 0.8 | 84.6       | 9.15%       | 137            |
| P3 | 363  | 25%     | 7.0   | 100%     | 0.4 | 74.2       | 8.40%       | 126            |
| P4 | 1358 | 90%     | 3.5   | 50%      | 0.7 | 91.2       | 4.40%       | 66             |
| P5 | 755  | 50%     | 3.5   | 50%      | 0.4 | 87.8       | 3.50%       | 53             |
| P6 | 755  | 50%     | 1.8   | 25%      | 0.2 | 89.4       | 1.51%       | 23             |
| P7 | 363  | 25%     | 1.8   | 25%      | 0.1 | 84.3       | 1.13%       | 17             |

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

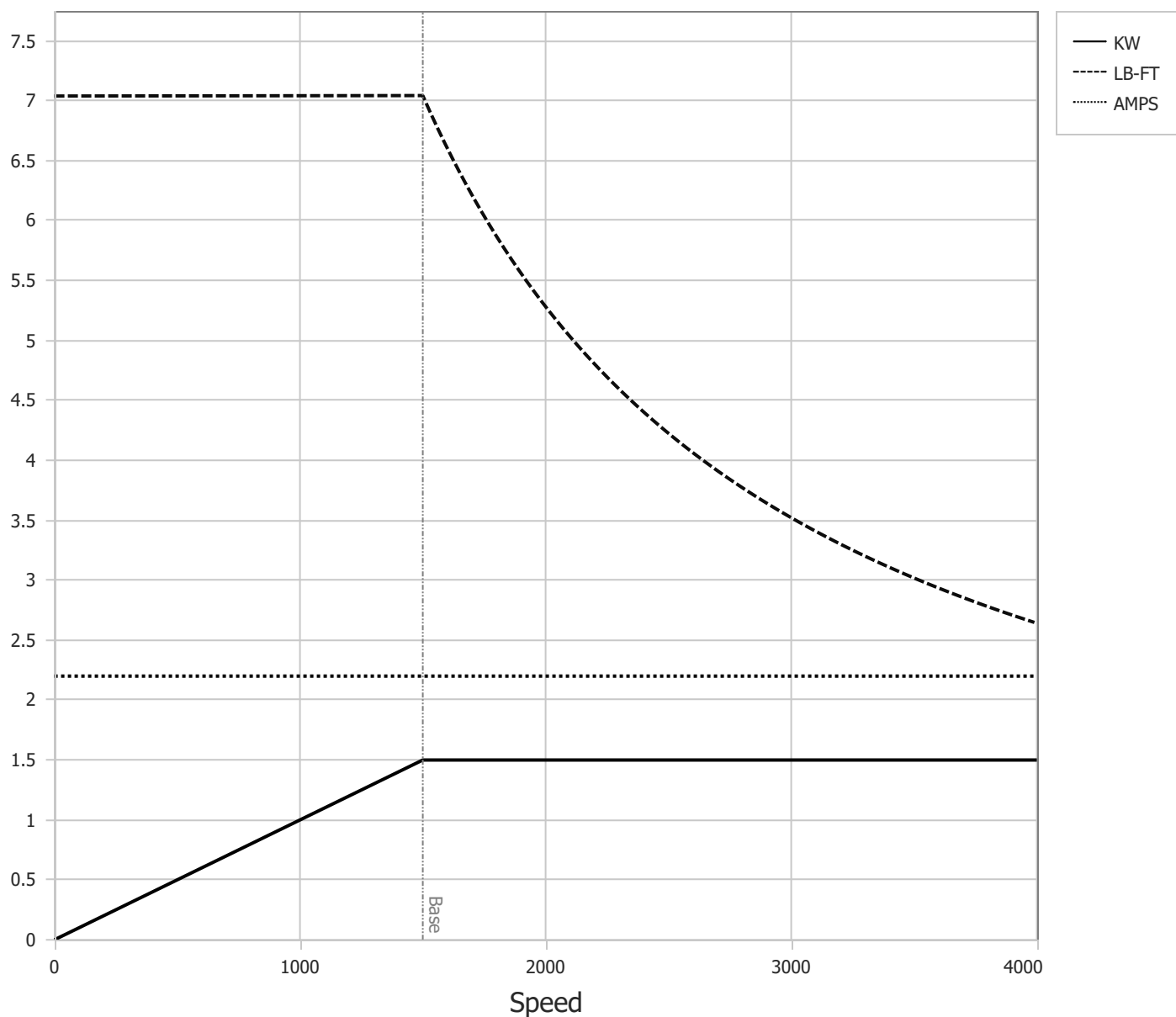
|    | RPM  | % Speed | LB-FT | % Torque | KW  | System Efficiency | Loss (% FL) | Watts Loss (W) |
|----|------|---------|-------|----------|-----|-------------------|-------------|----------------|
| P1 | 1511 | 100%    | 7.0   | 100%     | 1.5 | 85.4              | 17.18%      | 258            |
| P2 | 755  | 50%     | 7.0   | 100%     | 0.8 | 81.3              | 11.59%      | 174            |
| P3 | 245  | 17%     | 7.0   | 100%     | 0.2 | 61.1              | 10.37%      | 155            |
| P4 | 1509 | 100%    | 3.5   | 50%      | 0.8 | 88.4              | 6.59%       | 99             |
| P5 | 755  | 50%     | 3.5   | 50%      | 0.4 | 82.9              | 5.18%       | 78             |
| P6 | 245  | 17%     | 3.5   | 50%      | 0.1 | 65.2              | 4.36%       | 65             |
| P7 | 755  | 50%     | 1.8   | 25%      | 0.2 | 81.9              | 2.80%       | 42             |
| P8 | 245  | 17%     | 1.8   | 25%      | 0.1 | 64.1              | 2.29%       | 34             |

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>35WGG963</b><br>35E5209G963<br>Test - 111107 |
|                          | CK By:  | <u>USTOSAN</u>    |                                            |                                                 |
|                          | APP By: | <u>USJAROB1</u>   |                                            |                                                 |
|                          | Date:   | <u>08/08/2024</u> |                                            |                                                 |

|          |      |          |              |            |           |       |                  |
|----------|------|----------|--------------|------------|-----------|-------|------------------|
| Volts    | 380  | Max RPM  | 4000         | Conn Diag. | CD0006B03 | Leads | 3                |
| Amps     | 2.2  | Max Amps |              | Cs Diagram | CS1126    | BEMF  | 296              |
| KW       | 1.5  | VFD #    | ECIN4A44P1   |            |           | LD    | 78.9             |
| RPM      | 1500 | S.F.     | 1.00         |            |           | LQ    | 406              |
| Phase/Hz | 3/50 | Rating   | 40C AMB-CONT |            |           | Rs    | 11.7387 Meas L-L |

Constant Duty Operating Range



**BALDOR • RELIANCE**

DR By: R & D  
 CK By: USTOSAN  
 APP By: USJAROB1  
 Date: 08/08/2024

**AC MOTOR  
PERFORMANCE  
CURVES**

**35WGG963**  
 35E5209G963  
 Test - 111107