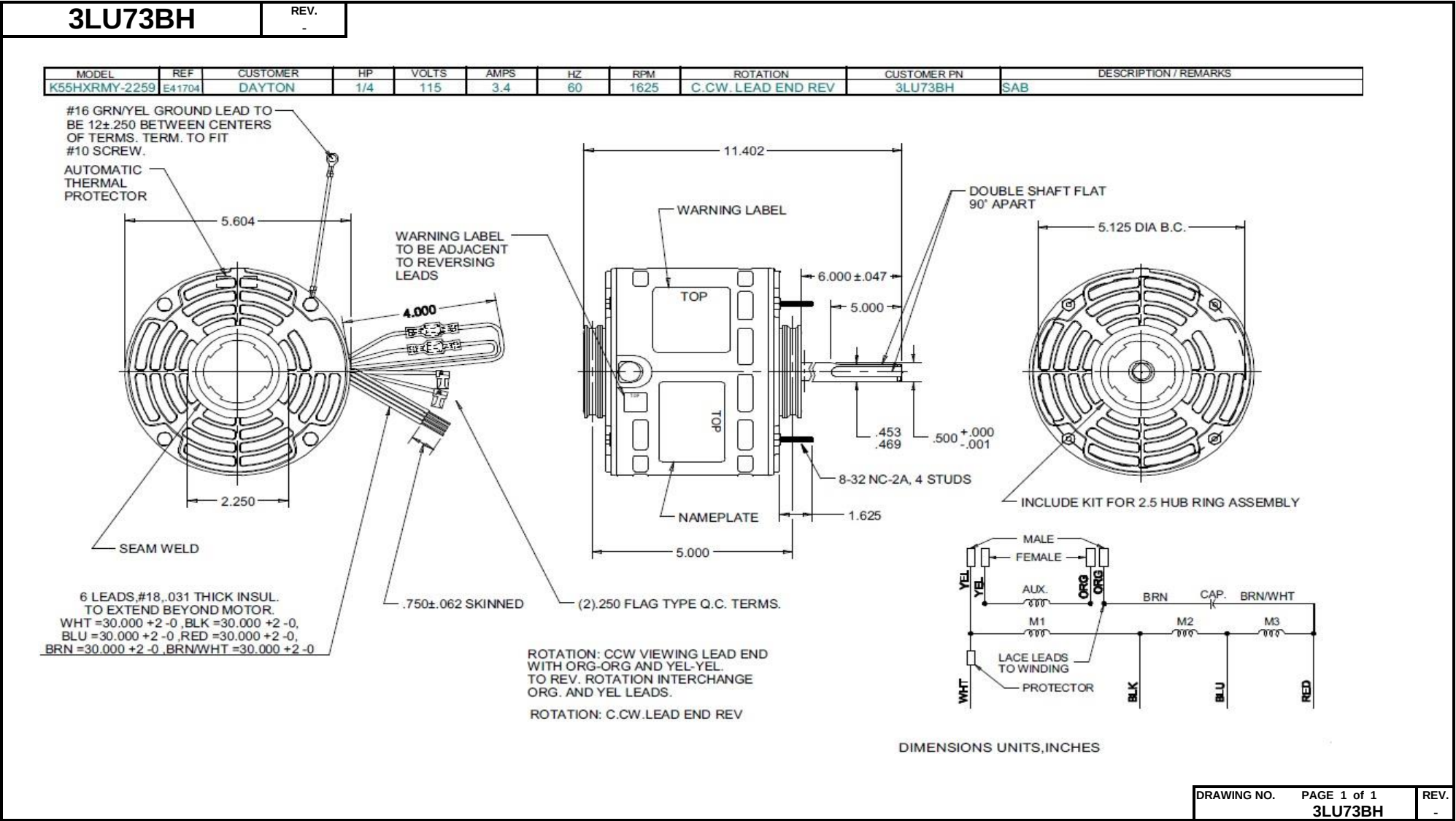


Dimensional Drawing



**3LU73BH**

 REV.  
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## SHADED-POLE & PSC MOTOR PERFORMANCE

|                                                    |                       |               |     |     |     |     |     |     |  |
|----------------------------------------------------|-----------------------|---------------|-----|-----|-----|-----|-----|-----|--|
| <b>HP:</b>                                         | 1/4                   |               |     |     |     |     |     |     |  |
| <b>Poles:</b>                                      | 4                     |               |     |     |     |     |     |     |  |
| <b>Ambient (°C):</b>                               | 40                    |               |     |     |     |     |     |     |  |
| <b>Altitude (FASL):</b>                            | 1000                  |               |     |     |     |     |     |     |  |
| <b>No. of Speeds:</b>                              | 3                     |               |     |     |     |     |     |     |  |
| <b>HIGH SPEED</b>                                  |                       |               |     |     |     |     |     |     |  |
| <b>Volts:</b>                                      | 115                   | 115           | 208 | 230 | 277 | 460 | 100 | 200 |  |
| <b>HZ:</b>                                         | 60                    | 60            | 60  | 60  | 60  | 60  | 50  | 50  |  |
| <b>Service Factor:</b>                             | 1.0                   |               |     |     |     |     |     |     |  |
| <b>Efficiency:</b>                                 | @ Rated Load          | 56.1          |     |     |     |     |     |     |  |
| <b>Power Factor:</b>                               | @ Rated Load          | 96.7          |     |     |     |     |     |     |  |
| <b>Amps:</b>                                       | @ Rated Load          | 3.4           |     |     |     |     |     |     |  |
| <b>RPM:</b>                                        | @ Rated Load          | 1625          |     |     |     |     |     |     |  |
| <b>Torques:</b><br>Oz.Ft. / Lb.In.<br>(Circle One) | Breakdown Oz-Ft.      | 16.9          |     |     |     |     |     |     |  |
|                                                    | Locked Rotor Oz-Ft.   | 3.6           |     |     |     |     |     |     |  |
|                                                    | Pull-Up Oz-Ft.        | 4             |     |     |     |     |     |     |  |
|                                                    | Rated Load Oz-Ft.     | 14.8          |     |     |     |     |     |     |  |
|                                                    | Service Factor        | 1.0           |     |     |     |     |     |     |  |
| <b>Watts:</b>                                      | Rated Load            | 379           |     |     |     |     |     |     |  |
| <b>Temperature Rise:</b>                           | @ Rated Load          |               |     |     |     |     |     |     |  |
| <b>Thermal Protector:</b>                          | Trip Temp (°C)        | 140~150       |     |     |     |     |     |     |  |
| <b>Winding Material:</b>                           | Start (Auxiliary)     | AL            |     |     |     |     |     |     |  |
|                                                    | Run (Main)            | AL            |     |     |     |     |     |     |  |
| <b>Capacitor:</b>                                  | Run (MFD / Volts)     | 10.0 MFD 370V |     |     |     |     |     |     |  |
|                                                    | No. of Run Capacitors | 1             |     |     |     |     |     |     |  |
| <b>MEDIUM-HI SPEED</b>                             |                       |               |     |     |     |     |     |     |  |
| <b>HP:</b>                                         | 1/4                   |               |     |     |     |     |     |     |  |
| <b>Volts:</b>                                      | 115                   | 115           | 208 | 230 | 277 | 460 | 100 | 200 |  |
| <b>HZ:</b>                                         | 60                    | 60            | 60  | 60  | 60  | 60  | 50  | 50  |  |
| <b>Efficiency:</b>                                 | @ Rated Load          | 56.2          |     |     |     |     |     |     |  |
| <b>Power Factor:</b>                               | @ Rated Load          | 97.6          |     |     |     |     |     |     |  |
| <b>Amps:</b>                                       | @ Rated Load          | 2.2           |     |     |     |     |     |     |  |
| <b>Torques:</b><br>Oz.Ft. / Lb.In.<br>(Circle One) | Breakdown Oz-Ft.      | 11.5          |     |     |     |     |     |     |  |
|                                                    | Locked Rotor Oz-Ft.   | 2.1           |     |     |     |     |     |     |  |
|                                                    | Pull-Up Oz-Ft.        | 2.7           |     |     |     |     |     |     |  |
|                                                    | Rated Load Oz-Ft.     | 9.5           |     |     |     |     |     |     |  |
| <b>Watts:</b>                                      | Rated Load            | 244.8         |     |     |     |     |     |     |  |
| <b>Temperature Rise:</b>                           | @ Rated Load          |               |     |     |     |     |     |     |  |

|             |      |      |
|-------------|------|------|
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**Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA**

# Performance Data



**3LU73BH**

REV.

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## SHADED-POLE & PSC MOTOR PERFORMANCE

### MEDIUM-LOW SPEED

|                                             |                     |  |     |     |     |     |     |     |     |  |
|---------------------------------------------|---------------------|--|-----|-----|-----|-----|-----|-----|-----|--|
| HP:                                         | 1/4                 |  |     |     |     |     |     |     |     |  |
| Volts:                                      | 115                 |  | 115 | 208 | 230 | 277 | 460 | 100 | 200 |  |
| HZ:                                         | 60                  |  | 60  | 60  | 60  | 60  | 60  | 50  | 50  |  |
| Efficiency:                                 | @ Rated Load        |  |     |     |     |     |     |     |     |  |
| Power Factor:                               | @ Rated Load        |  |     |     |     |     |     |     |     |  |
| Amps:                                       | @ Rated Load        |  |     |     |     |     |     |     |     |  |
| Torques:<br>Oz.Ft. / Lb.In.<br>(Circle One) | Breakdown Oz-Ft.    |  |     |     |     |     |     |     |     |  |
|                                             | Locked Rotor Oz-Ft. |  |     |     |     |     |     |     |     |  |
|                                             | Pull-Up Oz-Ft.      |  |     |     |     |     |     |     |     |  |
|                                             | Rated Load Oz-Ft.   |  |     |     |     |     |     |     |     |  |
| Watts:                                      | Rated Load          |  |     |     |     |     |     |     |     |  |
| Temperature Rise:                           | @ Rated Load        |  |     |     |     |     |     |     |     |  |
| Watts:                                      | Rated Load          |  |     |     |     |     |     |     |     |  |
| Temperature Rise:                           | @ Rated Load        |  |     |     |     |     |     |     |     |  |
| Thermal Protector:                          | Trip Temp (°C)      |  |     |     |     |     |     |     |     |  |
| Winding Material:                           | Start (Auxiliary)   |  |     |     |     |     |     |     |     |  |
|                                             | Run (Main)          |  |     |     |     |     |     |     |     |  |

### LOW SPEED

|                                             |                     |  |       |     |     |     |     |     |     |  |
|---------------------------------------------|---------------------|--|-------|-----|-----|-----|-----|-----|-----|--|
| HP:                                         | 1/4                 |  |       |     |     |     |     |     |     |  |
| Volts:                                      | 115                 |  | 115   | 208 | 230 | 277 | 460 | 100 | 200 |  |
| HZ:                                         | 60                  |  | 60    | 60  | 60  | 60  | 60  | 50  | 50  |  |
| Efficiency:                                 | @ Rated Load        |  | 53.6  |     |     |     |     |     |     |  |
| Power Factor:                               | @ Rated Load        |  | 97.6  |     |     |     |     |     |     |  |
| Amps:                                       | @ Rated Load        |  | 1.7   |     |     |     |     |     |     |  |
| Torques:<br>Oz.Ft. / Lb.In.<br>(Circle One) | Breakdown Oz-Ft.    |  | 8.2   |     |     |     |     |     |     |  |
|                                             | Locked Rotor Oz-Ft. |  | 1.5   |     |     |     |     |     |     |  |
|                                             | Pull-Up Oz-Ft.      |  | 1.7   |     |     |     |     |     |     |  |
|                                             | Rated Load Oz-Ft.   |  | 7     |     |     |     |     |     |     |  |
| Watts:                                      | Rated Load          |  | 189.6 |     |     |     |     |     |     |  |
| Temperature Rise:                           | @ Rated Load        |  |       |     |     |     |     |     |     |  |

Notes:

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**Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA**

# Performance Data



3LU73BH

REV.  
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## Dayton Manufacturing Company

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### Motor Description

Model: 3LU73BH  
Motor ID: 1 of 3  
Poles: 4  
Volts: 115  
Frequency: 60  
HP: 1/4  
Speed: 1625  
Phase: 1  
Protector: 7AM036-A5

### Test Conditions

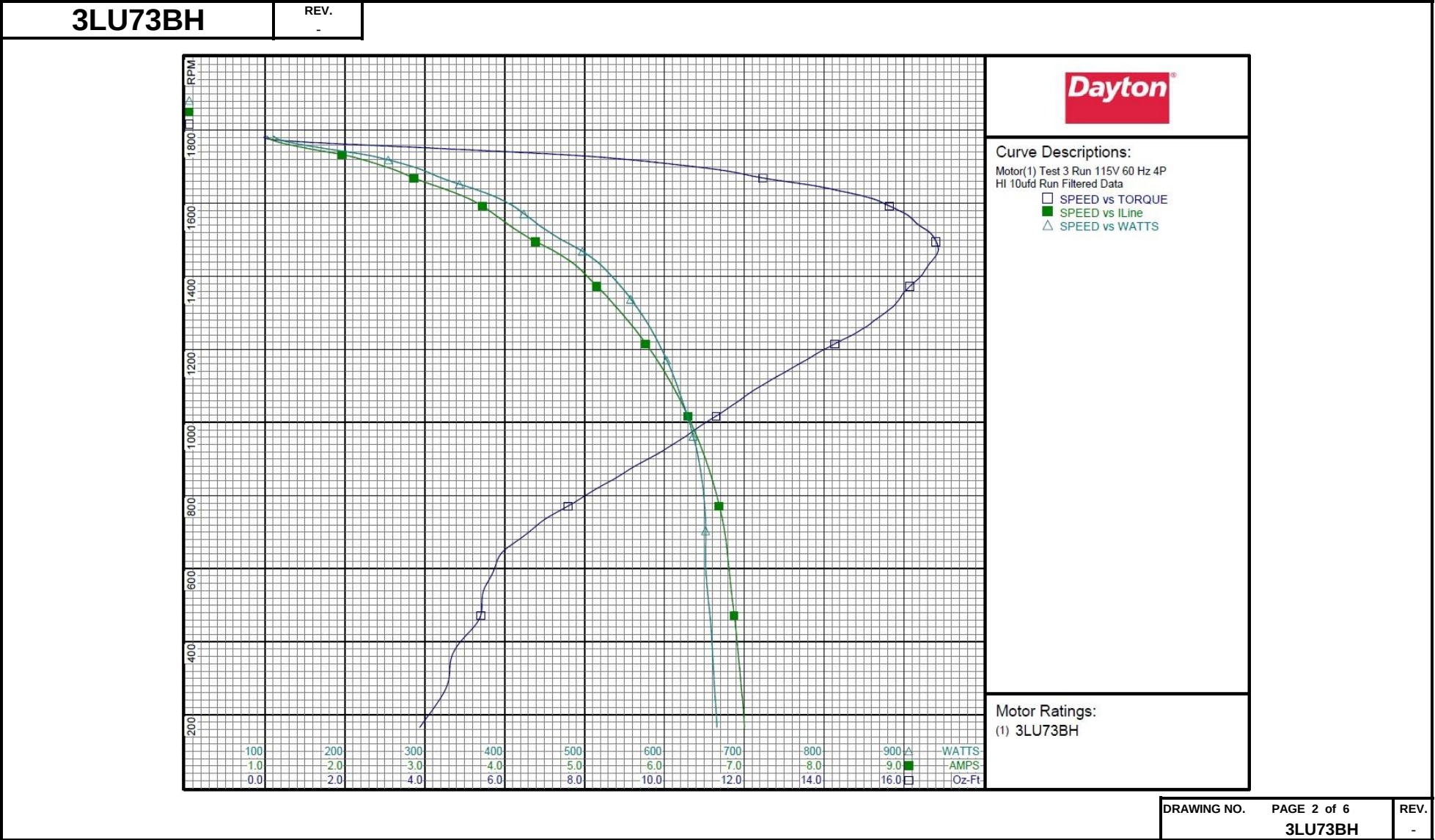
Test Type: Run  
Test Number: 3  
Poles: 4  
Volts: 115  
Hz: 60  
Rotation:  
Special Cond:  
Speed Conn: HI  
TestBoard: NMQC Plotter Fixture #1  
Run Cap: 10  
Start Cap: 0µfd  
Environment:  
Tested: 10/19/2015 4:36:13 PM  
Tested By: Liu, Bingmin  
Gear Ratio: 1:1  
Bearing Friction: -0.65 Oz-Ft  
Windage Torque: -0.92 Oz-Ft

| Special Points | Vline (V) | Vaux (V) | Vcap (V) | Iline (A) | Watts | RPM  | Tq (Oz-ft) | HP    | Eff (%) | PF (%) |
|----------------|-----------|----------|----------|-----------|-------|------|------------|-------|---------|--------|
|                | 115.0     | 231.1    | 284.5    | 1.015     | 110.0 | 1783 | 0.000      | 0.000 | 0.0     | 0.0    |
|                | 115.0     | 230.1    | 283.1    | 1.063     | 115.8 | 1775 | 0.098      | 0.002 | 2.0     | 0.0    |
|                | 115.0     | 223.1    | 269.9    | 1.457     | 165.1 | 1753 | 3.738      | 0.078 | 34.0    | 0.0    |
|                | 115.0     | 209.9    | 250.8    | 2.007     | 229.4 | 1731 | 7.732      | 0.159 | 52.9    | 0.0    |
|                | 115.0     | 199.3    | 238.7    | 2.362     | 268.9 | 1710 | 9.936      | 0.202 | 56.5    | 0.0    |
|                | 115.0     | 190.6    | 229.1    | 2.662     | 300.5 | 1687 | 11.598     | 0.233 | 57.8    | 0.0    |
| 0.25 HP        | 115.0     | 184.0    | 223.0    | 2.890     | 323.8 | 1666 | 12.601     | 0.250 | 57.6    | 0.0    |
|                | 115.0     | 183.3    | 222.3    | 2.917     | 326.7 | 1664 | 12.733     | 0.252 | 57.6    | 0.0    |
|                | 115.0     | 175.2    | 213.6    | 3.240     | 361.5 | 1639 | 14.162     | 0.276 | 57.1    | 0.0    |
| 1625 RPM       | 115.0     | 170.4    | 209.0    | 3.412     | 379.4 | 1625 | 14.757     | 0.286 | 56.1    | 0.0    |
|                | 115.0     | 166.6    | 205.3    | 3.546     | 393.0 | 1612 | 15.209     | 0.292 | 55.4    | 0.0    |
|                | 115.0     | 159.7    | 199.0    | 3.783     | 416.6 | 1583 | 15.810     | 0.298 | 53.3    | 0.0    |
|                | 115.0     | 153.4    | 193.7    | 3.983     | 436.0 | 1551 | 16.253     | 0.300 | 51.4    | 0.0    |
|                | 115.0     | 146.4    | 188.1    | 4.214     | 458.5 | 1517 | 16.673     | 0.301 | 49.0    | 0.0    |
|                | 115.0     | 137.6    | 180.8    | 4.524     | 488.3 | 1480 | 16.856     | 0.297 | 45.4    | 0.0    |
| BDT OZ-FT      | 115.0     | 136.7    | 180.0    | 4.559     | 491.5 | 1476 | 16.862     | 0.296 | 45.0    | 0.0    |
|                | 115.0     | 128.7    | 174.0    | 4.829     | 515.5 | 1440 | 16.682     | 0.286 | 41.4    | 0.0    |
|                | 115.0     | 121.2    | 169.2    | 5.051     | 535.9 | 1396 | 16.383     | 0.272 | 37.9    | 0.0    |
|                | 115.0     | 114.2    | 165.2    | 5.266     | 554.5 | 1348 | 15.945     | 0.256 | 34.4    | 0.0    |
|                | 115.0     | 107.7    | 161.8    | 5.477     | 571.7 | 1295 | 15.474     | 0.239 | 31.1    | 0.0    |
|                | 115.0     | 100.6    | 158.6    | 5.688     | 587.4 | 1239 | 14.703     | 0.217 | 27.5    | 0.0    |
|                | 115.0     | 93.5     | 156.0    | 5.889     | 601.5 | 1177 | 13.653     | 0.191 | 23.7    | 0.0    |
|                | 115.0     | 87.0     | 154.3    | 6.074     | 614.2 | 1111 | 12.591     | 0.166 | 20.2    | 0.0    |
|                | 115.0     | 81.1     | 153.3    | 6.246     | 625.5 | 1040 | 11.604     | 0.144 | 17.1    | 0.0    |
|                | 115.0     | 75.6     | 152.5    | 6.404     | 635.9 | 962  | 10.537     | 0.121 | 14.2    | 0.0    |
|                | 115.0     | 69.9     | 152.0    | 6.546     | 644.4 | 879  | 9.241      | 0.097 | 11.2    | 0.0    |
|                | 115.0     | 64.5     | 152.0    | 6.667     | 649.7 | 790  | 7.877      | 0.074 | 8.5     | 0.0    |
|                | 115.0     | 59.2     | 152.1    | 6.759     | 651.8 | 694  | 6.538      | 0.054 | 6.2     | 0.0    |
|                | 115.0     | 54.1     | 152.9    | 6.812     | 652.0 | 592  | 5.713      | 0.040 | 4.6     | 0.0    |
|                | 115.0     | 50.8     | 155.7    | 6.868     | 656.5 | 483  | 5.421      | 0.031 | 3.5     | 0.0    |
|                | 115.0     | 49.2     | 158.4    | 6.924     | 660.3 | 367  | 4.696      | 0.021 | 2.3     | 0.0    |
|                | 115.0     | 47.1     | 160.2    | 6.976     | 663.6 | 243  | 4.379      | 0.013 | 1.4     | 0.0    |

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Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

Performance Data



# Performance Data



3LU73BH

REV.  
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## Dayton Manufacturing Company

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### Motor Description

Model: 3LU73BH  
Motor ID: 1 of 3  
Poles: 4  
Volts: 115  
Frequency: 60  
HP: 1/4  
Speed: 1625  
Phase: 1  
Protector: 7AM036-A5

### Test Conditions

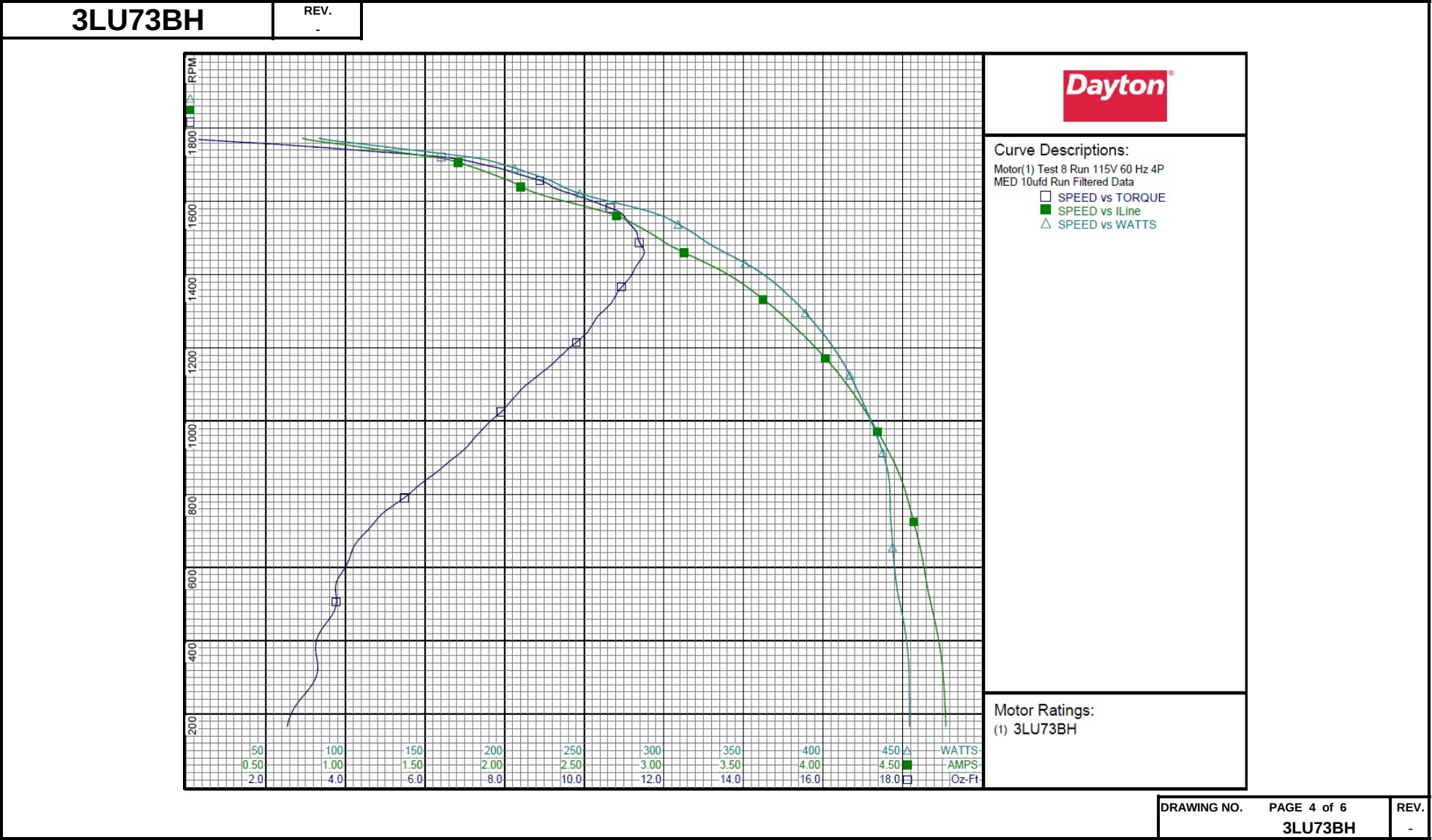
Test Type: Run  
Test Number: 8  
Poles: 4  
Volts: 115  
Hz: 60  
Rotation:  
Special Cond:  
Speed Conn: MED  
TestBoard: NMQC Plotter Fixture #1  
Run Cap: 10  
Start Cap: 0µfd  
Environment:  
Tested: 10/19/2015 4:32:39 PM  
Tested By: Liu, Bingmin  
Gear Ratio: 1:1  
Bearing Friction: -0.65 Oz-Ft  
Windage Torque: -0.95 Oz-Ft

| Special Points | Vline (V) | Vaux (V) | Vcap (V) | Iline (A) | Imain (A) | Iaux (A) | Watts | RPM  | Tq (Oz-ft) | HP    | Eff (%) | PF (%) | Cap  |
|----------------|-----------|----------|----------|-----------|-----------|----------|-------|------|------------|-------|---------|--------|------|
|                | 115.0     | 195.4    | 237.6    | 0.729     | 0.723     | 0.005    | 83.2  | 1773 | 0.000      | 0.000 | 0.0     | 0.0    | 0.1  |
|                | 115.0     | 193.1    | 233.6    | 0.827     | 0.823     | 0.005    | 95.0  | 1764 | 0.977      | 0.020 | 14.3    | 0.0    | 0.1  |
|                | 115.0     | 181.6    | 216.7    | 1.173     | 1.170     | 0.004    | 135.2 | 1743 | 3.835      | 0.080 | 44.0    | 0.0    | 0.1  |
|                | 115.0     | 169.3    | 201.6    | 1.517     | 1.510     | 0.004    | 174.0 | 1723 | 6.216      | 0.128 | 55.7    | 0.0    | 0.1  |
|                | 115.0     | 161.2    | 193.6    | 1.725     | 1.718     | 0.004    | 196.4 | 1704 | 7.319      | 0.149 | 56.7    | 0.0    | 0.1  |
|                | 115.0     | 156.0    | 188.8    | 1.864     | 1.857     | 0.004    | 211.3 | 1683 | 8.088      | 0.162 | 57.2    | 0.0    | 0.1  |
|                | 115.0     | 151.3    | 184.3    | 1.996     | 1.991     | 0.004    | 225.5 | 1662 | 8.729      | 0.173 | 57.1    | 0.0    | 0.1  |
|                | 115.0     | 147.2    | 180.8    | 2.102     | 2.096     | 0.004    | 236.4 | 1640 | 9.208      | 0.180 | 56.7    | 0.0    | 0.1  |
| 1625 RPM       | 115.0     | 144.4    | 178.2    | 2.180     | 2.176     | 0.004    | 244.8 | 1625 | 9.535      | 0.184 | 56.2    | 0.0    | 0.1  |
|                | 115.0     | 142.2    | 176.2    | 2.243     | 2.239     | 0.004    | 251.4 | 1616 | 9.798      | 0.188 | 55.9    | 0.0    | 0.1  |
|                | 115.0     | 135.0    | 169.4    | 2.464     | 2.461     | 0.004    | 274.7 | 1591 | 10.438     | 0.198 | 53.7    | 0.0    | 0.1  |
|                | 115.0     | 127.6    | 163.0    | 2.686     | 2.677     | 0.002    | 297.0 | 1563 | 10.972     | 0.204 | 51.3    | 0.0    | 0.0  |
|                | 115.0     | 122.7    | 159.4    | 2.829     | 2.819     | -0.004   | 310.4 | 1534 | 11.175     | 0.204 | 49.0    | 0.0    | -0.1 |
|                | 115.0     | 118.1    | 156.1    | 2.953     | 2.945     | -0.008   | 322.1 | 1502 | 11.344     | 0.203 | 47.0    | 0.0    | -0.1 |
|                | 115.0     | 113.1    | 152.7    | 3.090     | 3.082     | -0.012   | 335.1 | 1468 | 11.493     | 0.201 | 44.7    | 0.0    | -0.2 |
| BDT OZ-FT      | 115.0     | 111.8    | 151.7    | 3.128     | 3.120     | -0.013   | 338.6 | 1460 | 11.505     | 0.200 | 44.1    | 0.0    | -0.2 |
|                | 115.0     | 106.8    | 148.3    | 3.268     | 3.260     | -0.014   | 351.1 | 1431 | 11.354     | 0.193 | 41.1    | 0.0    | -0.2 |
|                | 115.0     | 100.2    | 144.6    | 3.439     | 3.431     | -0.014   | 365.6 | 1391 | 11.139     | 0.184 | 37.6    | 0.0    | -0.2 |
|                | 115.0     | 95.0     | 142.0    | 3.580     | 3.572     | -0.013   | 377.3 | 1347 | 10.819     | 0.174 | 34.3    | 0.0    | -0.2 |
|                | 115.0     | 90.0     | 139.7    | 3.714     | 3.707     | -0.010   | 388.0 | 1301 | 10.483     | 0.162 | 31.2    | 0.0    | -0.2 |
|                | 115.0     | 85.2     | 138.0    | 3.838     | 3.832     | -0.005   | 397.8 | 1250 | 10.132     | 0.151 | 28.3    | 0.0    | -0.1 |
|                | 115.0     | 80.4     | 136.6    | 3.961     | 3.956     | -0.002   | 407.1 | 1197 | 9.593      | 0.137 | 25.0    | 0.0    | 0.0  |
|                | 115.0     | 75.5     | 135.4    | 4.080     | 4.075     | 0.009    | 415.3 | 1139 | 9.012      | 0.122 | 21.9    | 0.0    | 0.2  |
|                | 115.0     | 70.9     | 134.6    | 4.189     | 4.184     | 0.033    | 422.4 | 1077 | 8.337      | 0.107 | 18.9    | 0.0    | 0.6  |
|                | 115.0     | 66.8     | 134.2    | 4.290     | 4.285     | 0.045    | 429.1 | 1010 | 7.750      | 0.093 | 16.2    | 0.0    | 0.9  |
|                | 115.0     | 62.7     | 133.9    | 4.384     | 4.379     | 0.047    | 435.6 | 939  | 7.126      | 0.080 | 13.6    | 0.0    | 0.9  |
|                | 115.0     | 58.8     | 133.8    | 4.472     | 4.467     | 0.049    | 440.7 | 863  | 6.315      | 0.065 | 11.0    | 0.0    | 1.0  |
|                | 115.0     | 54.7     | 134.2    | 4.535     | 4.531     | 0.053    | 442.2 | 781  | 5.362      | 0.050 | 8.4     | 0.0    | 1.0  |
|                | 115.0     | 50.9     | 134.6    | 4.588     | 4.584     | 0.054    | 443.2 | 695  | 4.498      | 0.037 | 6.2     | 0.0    | 1.1  |
|                | 115.0     | 47.2     | 135.1    | 4.633     | 4.629     | 0.054    | 444.9 | 603  | 4.008      | 0.029 | 4.8     | 0.0    | 1.1  |
|                | 115.0     | 44.6     | 136.9    | 4.675     | 4.671     | 0.054    | 448.1 | 506  | 3.773      | 0.023 | 3.8     | 0.0    | 1.0  |
|                | 115.0     | 42.9     | 138.8    | 4.726     | 4.722     | 0.054    | 452.4 | 403  | 3.274      | 0.016 | 2.6     | 0.0    | 1.0  |
|                | 115.0     | 41.6     | 140.1    | 4.757     | 4.753     | 0.054    | 454.1 | 294  | 3.231      | 0.011 | 1.8     | 0.0    | 1.0  |
|                | 115.0     | 40.2     | 141.9    | 4.771     | 4.767     | 0.055    | 454.4 | 179  | 2.563      | 0.005 | 0.9     | 0.0    | 1.0  |

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Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

Performance Data



# Performance Data



**3LU73BH**

REV.  
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## Dayton Manufacturing Company

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### Motor Description

Model: 3LU73BH  
Motor ID: 1 of 3  
Poles: 4  
Volts: 115  
Frequency: 60  
HP: 1/4  
Speed: 1625  
Phase: 1  
Protector: 7AM036-A5

### Test Conditions

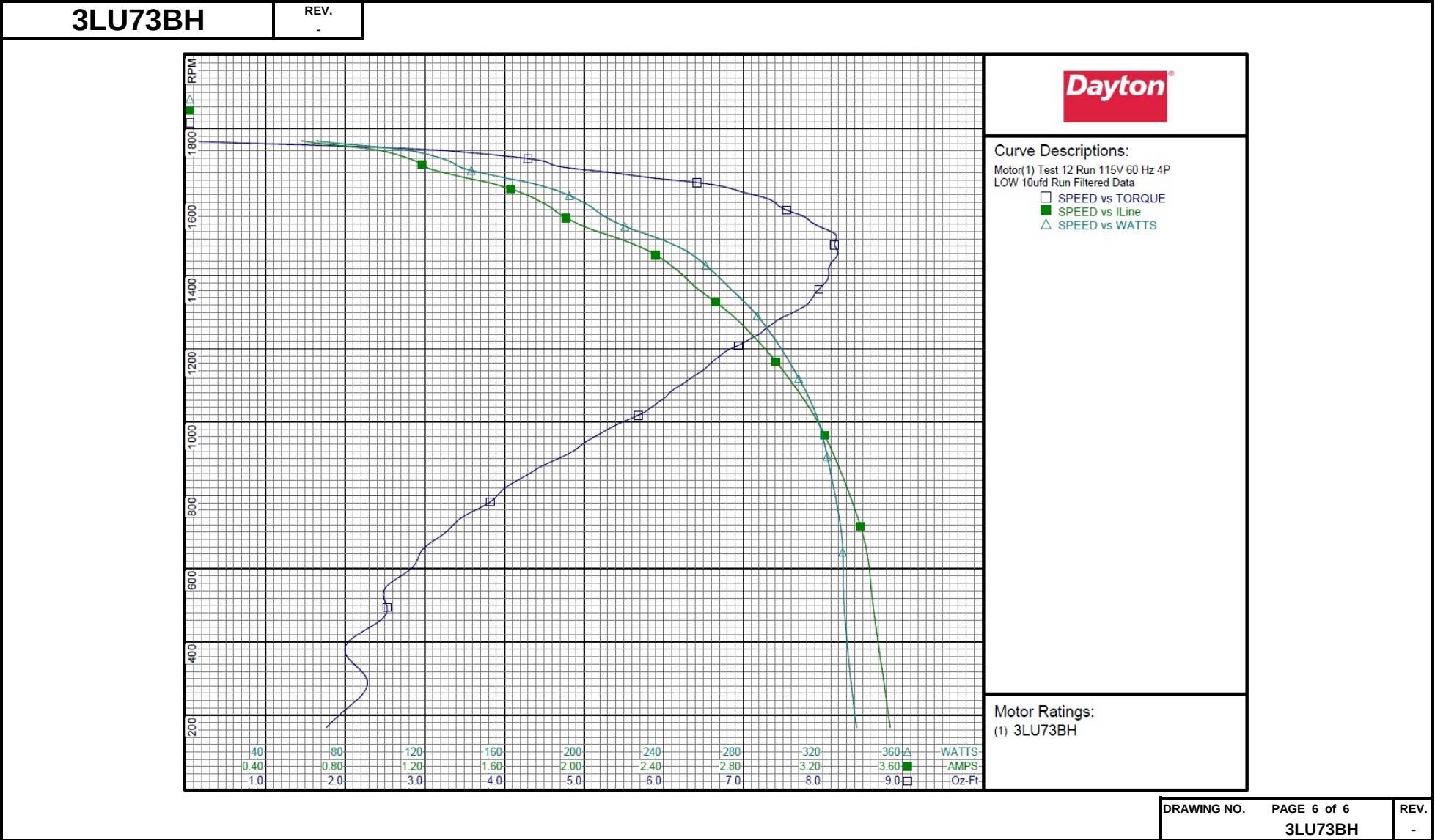
Test Type: Run  
Test Number: 12  
Poles: 4  
Volts: 115  
Hz: 60  
Rotation:  
Special Cond:  
Speed Conn: LOW  
TestBoard: NMQC Plotter Fixture #1  
Run Cap: 10  
Start Cap: 0µfd  
Environment:  
Tested: 10/19/2015 4:28:55 PM  
Tested By: Liu, Bingmin  
Gear Ratio: 1:1  
Bearing Friction: -0.75 Oz-Ft  
Windage Torque: -0.98 Oz-Ft

| Special Points | Vline (V) | Vaux (V) | Vcap (V) | Iline (A) | Watts | RPM  | Tq (Oz-ft) | HP    | Eff (%) | PF (%) |
|----------------|-----------|----------|----------|-----------|-------|------|------------|-------|---------|--------|
|                | 115.0     | 170.4    | 204.6    | 0.580     | 65.7  | 1767 | 0.000      | 0.000 | 0.0     | 0.0    |
|                | 115.0     | 168.1    | 200.9    | 0.662     | 75.4  | 1761 | 0.759      | 0.016 | 14.0    | 0.0    |
|                | 115.0     | 153.4    | 182.2    | 0.960     | 110.5 | 1742 | 3.140      | 0.065 | 44.1    | 0.0    |
|                | 115.0     | 144.3    | 172.9    | 1.109     | 127.4 | 1721 | 4.212      | 0.086 | 51.5    | 0.0    |
|                | 115.0     | 140.1    | 169.3    | 1.190     | 135.9 | 1700 | 4.622      | 0.094 | 51.4    | 0.0    |
|                | 115.0     | 136.0    | 164.8    | 1.302     | 148.8 | 1679 | 5.384      | 0.108 | 53.9    | 0.0    |
|                | 115.0     | 129.6    | 158.3    | 1.476     | 167.7 | 1658 | 6.204      | 0.122 | 54.5    | 0.0    |
|                | 115.0     | 123.5    | 153.0    | 1.633     | 183.9 | 1636 | 6.861      | 0.134 | 54.2    | 0.0    |
| 1625 RPM       | 115.0     | 121.3    | 151.1    | 1.689     | 189.6 | 1625 | 7.033      | 0.136 | 53.6    | 0.0    |
|                | 115.0     | 119.1    | 149.4    | 1.741     | 194.9 | 1613 | 7.257      | 0.139 | 53.3    | 0.0    |
|                | 115.0     | 115.4    | 146.4    | 1.829     | 203.6 | 1587 | 7.465      | 0.141 | 51.7    | 0.0    |
|                | 115.0     | 112.2    | 144.3    | 1.901     | 210.6 | 1559 | 7.765      | 0.144 | 51.1    | 0.0    |
|                | 115.0     | 107.5    | 140.7    | 2.014     | 222.2 | 1530 | 7.987      | 0.145 | 48.9    | 0.0    |
|                | 115.0     | 101.2    | 135.9    | 2.184     | 238.4 | 1498 | 8.162      | 0.146 | 45.6    | 0.0    |
|                | 115.0     | 95.1     | 132.1    | 2.332     | 252.0 | 1464 | 8.185      | 0.143 | 42.2    | 0.0    |
| BDT OZ-FT      | 115.0     | 94.5     | 131.8    | 2.346     | 253.2 | 1460 | 8.190      | 0.142 | 41.9    | 0.0    |
|                | 115.0     | 90.6     | 129.8    | 2.438     | 261.3 | 1426 | 8.085      | 0.137 | 39.2    | 0.0    |
|                | 115.0     | 86.6     | 127.9    | 2.523     | 269.3 | 1386 | 8.052      | 0.133 | 36.8    | 0.0    |
|                | 115.0     | 82.4     | 126.1    | 2.621     | 277.6 | 1342 | 7.880      | 0.126 | 33.8    | 0.0    |
|                | 115.0     | 78.0     | 124.2    | 2.734     | 286.2 | 1295 | 7.593      | 0.117 | 30.5    | 0.0    |
|                | 115.0     | 73.4     | 122.9    | 2.831     | 293.3 | 1245 | 7.228      | 0.107 | 27.2    | 0.0    |
|                | 115.0     | 69.2     | 122.0    | 2.923     | 300.1 | 1190 | 6.764      | 0.096 | 23.8    | 0.0    |
|                | 115.0     | 65.3     | 121.3    | 3.011     | 306.5 | 1132 | 6.428      | 0.087 | 21.1    | 0.0    |
|                | 115.0     | 61.8     | 120.9    | 3.094     | 312.6 | 1070 | 6.029      | 0.077 | 18.3    | 0.0    |
|                | 115.0     | 58.3     | 120.8    | 3.171     | 317.7 | 1003 | 5.515      | 0.066 | 15.5    | 0.0    |
|                | 115.0     | 54.7     | 120.9    | 3.237     | 321.1 | 931  | 4.932      | 0.055 | 12.7    | 0.0    |
|                | 115.0     | 51.3     | 121.2    | 3.297     | 324.1 | 854  | 4.275      | 0.043 | 10.0    | 0.0    |

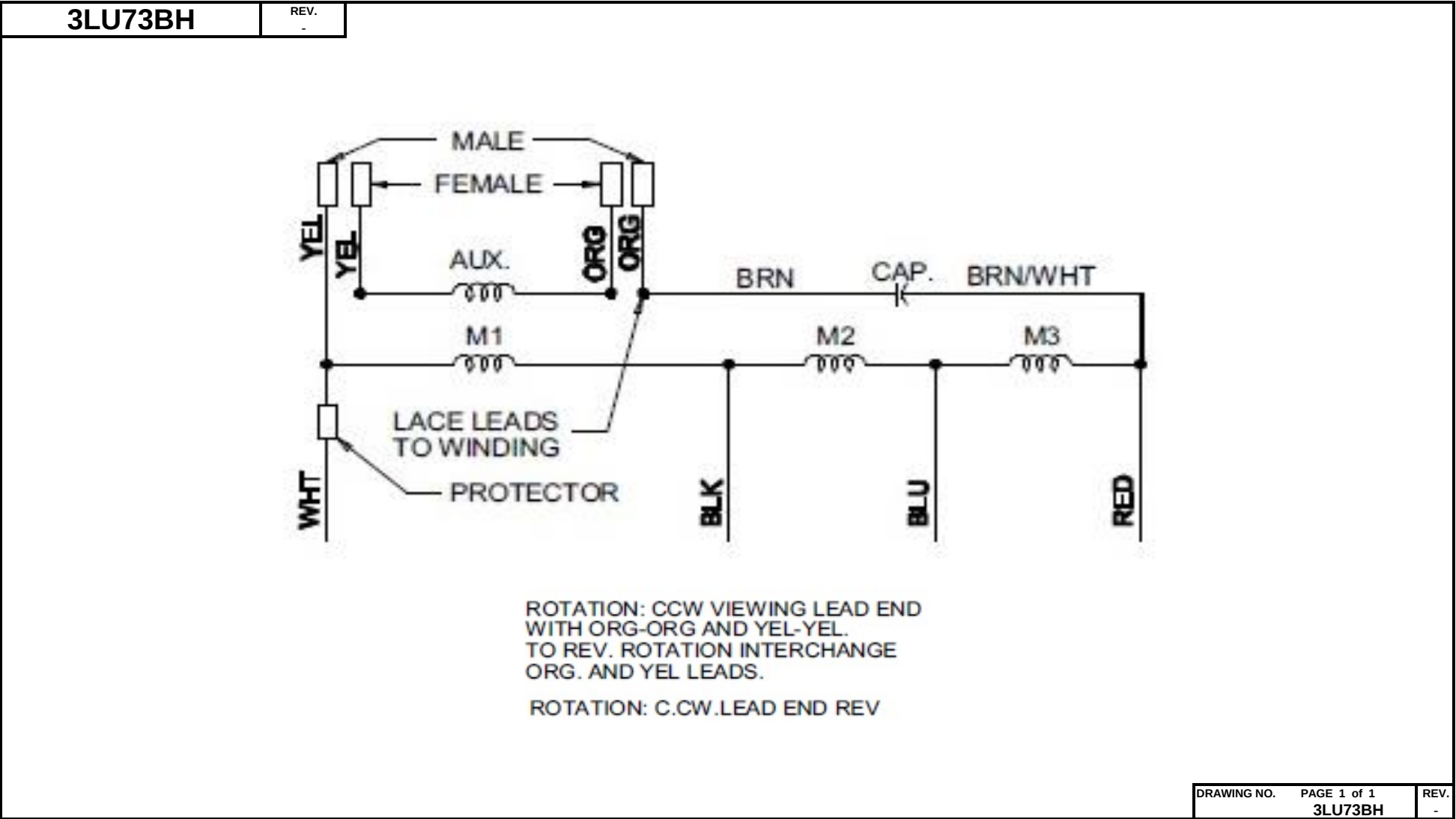
DRAWING NO. PAGE 5 of 6 REV.  
3LU73BH -

Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

Performance Data



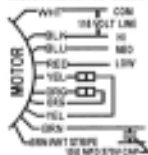
Wiring Diagram



Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

**Dayton****DIRECT DRIVE  
BLOWER MOTOR**Part No  
3LU73BH

HP: 1/4                      PH: 1  
VOLTS: 115                HZ: 60  
AMPS: 3.4                FR: 48YZ  
RPM: 1625/3SPD        INS CL: B  
DUTY: CONT              AMB: 40 °C  
ENCL: OAD  
THERMALLY PROTECTED: AUTO  
MFG. NO. 018 KM    PROTECTOR: 7A010    AVG. FL  
MTR. REF: K55HURMY-2259    EFF

**Disconnect Power Before Making Any  
Electrical Connections or Changes**US PAT  
7799992**TO REVERSE ROTATION  
INTERCHANGE ORG AND YEL LEADS**

Mfd for Dayton Electric Mfg. Co., Lake Forest, IL 60046 USA

Made in China