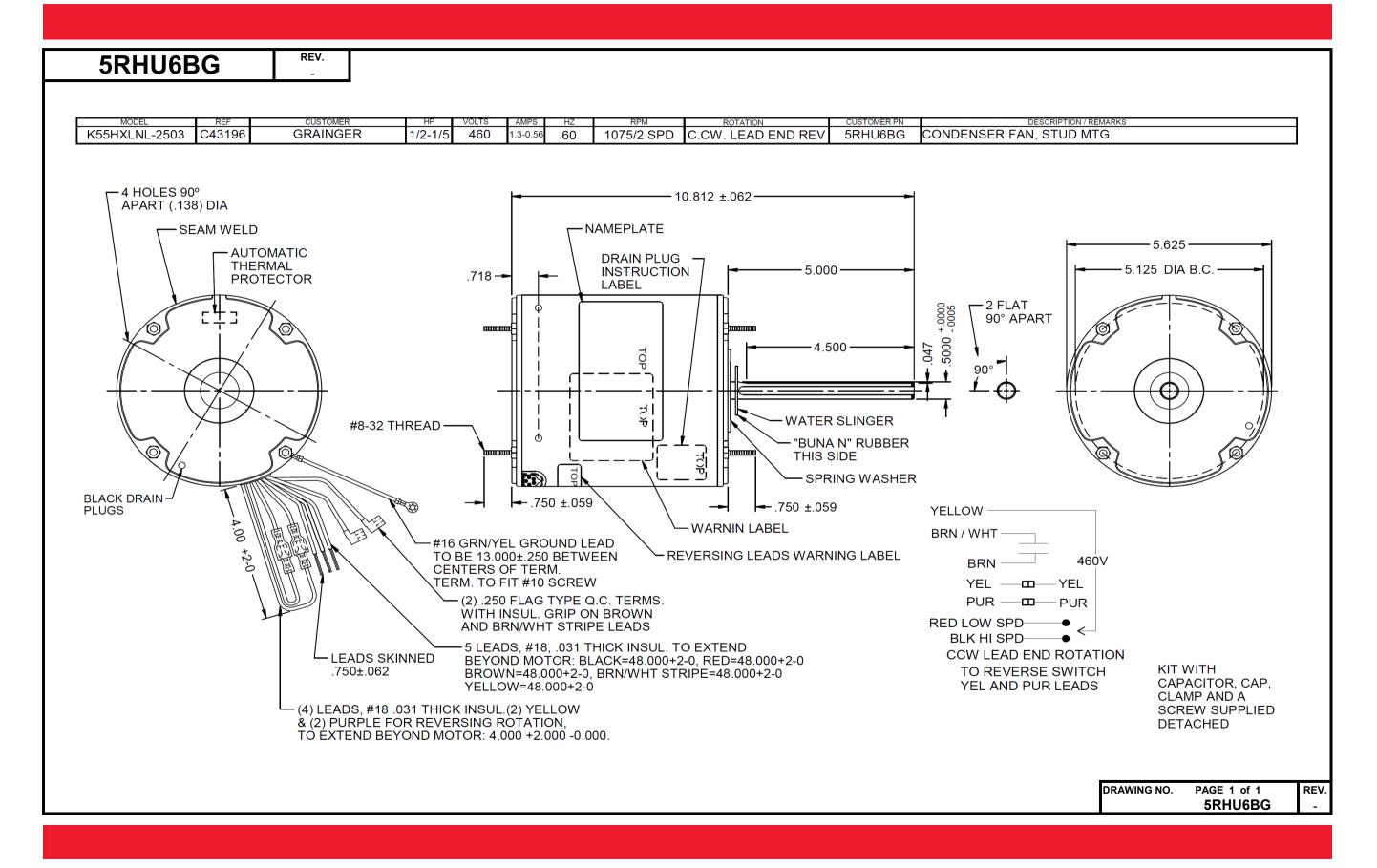
Dimensional Drawing







| 5RHU6I | BG RE | v. | | | | | | |
|--------------------|-----------------------|-----------|---------|------|-------|---------|-------|-------------|
| | | | | | | | | |
| | SHADED-POL | E & PSC M | OTOR I | PERF | ORMAN | ICE | | |
| HP: | 1/5 | | | | | | | |
| | 6 | | | | | | | |
| Poles: | 6 70 | | | | | | | |
| Ambient (°C): | NA NA | | | | | | | |
| Altitude (FASL): | | | | | | | | |
| No. of Speeds: | 2 | | | | | | | |
| | | HIGH S | PEED | | | | | |
| Volts: | 460 | 460 | 460 | | | | | |
| HZ: | 60 | 60 | 60 | | 1 | | | |
| Service Factor: | 1.0 | 1/2 HP | 1/5 HP | | | 1 | | |
| Efficiency: | @ Rated Load | 68.00 | 64.50 | | | | | |
| Power Factor: | @ Rated Load | 91.80 | 91.70 | | | | | |
| Amps: | @ No Load | | | | | | | |
| • | @ Rated Load | 1.30 | 0.55 | | | | | |
| | @ Locked Rotor | 3.27 | 3.27 | | | | | |
| RPM: | @ Rated Load | 1114.00 | 1153.00 | | | | | |
| Torques: | Breakdown | 50.30 | 30.36 | | | | | |
| | Locked Rotor | 8.65 | 8.65 | | | | | |
| | Pull-Up | 8.65 | 8.65 | | | | | |
| | Rated Load | 37.70 | 14.57 | | | | | |
| | Service Factor | 37.70 | 14.57 | | | | | |
| Watts: | Rated Load | 548.40 | 231.30 | | | | | |
| Temperature Rise: | @ Rated Load | | | | | | | |
| Thermal Protector: | Trip Temp (°C) | CU | CU | | | | | |
| Winding Material: | Start (Auxiliary) | AL | AL | | _ | _ | | |
| | Run (Main) | | | | | | | |
| Capacitor(s): | Run (MFD / Volts) | | | | 10 | | | |
| | No. of Run Capacitors | 5 | | | | | | |
| | | MEDIUM-HI | GH SPE | ED | | | | |
| HP: | | | | | | | | |
| Volts: | | | | | | | | |
| HZ: | | | | | | | | |
| Efficiency: | @ Rated Load | | | | | | | |
| Power Factor: | @ Rated Load | | | | | | | |
| Amps: | @ No Load | | | | | | | |
| • | @ Rated Load | | | | | | | |
| | @ Locked Rotor | | | | | | | |
| Torques: | Breakdown | | | | | | | |
| Oz.Ft. / Lb.In. | Locked Rotor | | | | | | | |
| (Circle One) | Pull-Up | | | | | | | |
| , , | Rated Load | | | | | | | |
| Watts: | @ Rated Load | | | | | | | |
| Temperature Rise: | @ Rated Load | | | | | | | |
| | 1 | | 1 | | 1 | | | DACE 4 of 4 |
| | | | | | | DRAWING | 3 NU. | PAGE 1 of 1 |

Performance Data



5RHU6

REV.

SHADED-POLE & PSC MOTOR PERFORMANCE

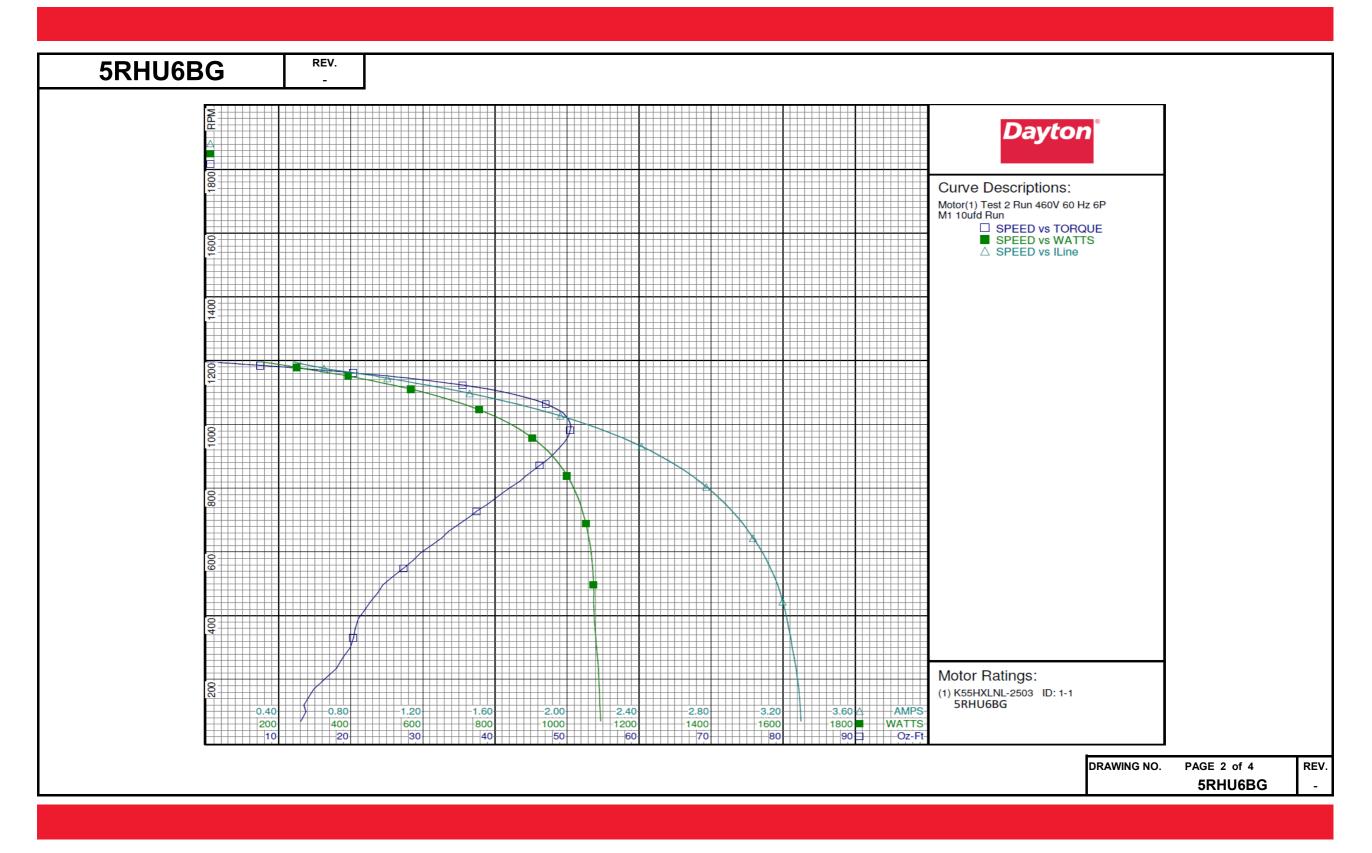
| HP: Volts: | | MEDIUM-LC | OW SPE | ED | | | | |
|---|--|-----------|--------|-----|-----|-----|-----|-----|
| | | | | | | | | |
| | | 120 | 208 | 230 | 277 | 460 | 100 | 200 |
| HZ: | | 60 | 60 | 60 | 60 | 60 | 50 | 50 |
| Efficiency: | @ Rated Load | | | | | | | |
| Power Factor: | @ Rated Load | | | | | | | |
| Amps: | @ No Load | | | | | | | |
| • | @ Rated Load | | | | | | | |
| Torques: | Breakdown | | | | | | | |
| Oz.Ft. / Lb.In. | Locked Rotor | | | | | | | |
| (Circle One) | Pull-Up | | | | | | | |
| | Rated Load | | | | | | | |
| Watts: | Rated Load | | | | | | | |
| Temperature Rise: | @ Rated Load | | | | | | | |
| Thermal Protector: | Trip Temp (°C) | | | | | | | |
| Winding Material: | Start (Auxiliary) | | | | | | | |
| | Run (Main) | | | | | | | |
| | | | | | | | | |
| | | LOW S | PEED | | | | | |
| HP: | | | | | | | | |
| Volts: | | 120 | 208 | 230 | 277 | 460 | 100 | 200 |
| HZ: | | 60 | 60 | 60 | 60 | 60 | 50 | 50 |
| Efficiency: | @ Rated Load | | | | | | | |
| Power Factor: | @ Rated Load | | | | | | | |
| | @ No Load | | | | | | | |
| Amps: | @ Rated Load | | | | | | | |
| Amps: | | | | | | | | |
| Amps: Torques: | Breakdown | | | | | | | |
| - | Breakdown Locked Rotor | | | | | | | |
| Torques: Oz.Ft. / Lb.In. | Breakdown Locked Rotor Pull-Up | | | | | | | |
| Torques: Oz.Ft. / Lb.In. (Circle One) | Breakdown Locked Rotor Pull-Up Rated Load | | | | | | | |
| Torques: Oz.Ft. / Lb.In. | Breakdown Locked Rotor Pull-Up | | | | | | | |



| RHU6BG | REV. - | | | | | | | | | |
|----------------------|-----------------------|-----------------------|------------------|-------------------|------------------|--------------------|--|----------------|---------------------|---------------|
| | | | | Day | ton Ma | nufactu | iring Con | npany | | |
| Motor Des | scription | | | | | Test Co | nditions | | | |
| Model: | K55HXLNL- | 2503 5RHL | J6BG | Test Type: | Run | | Run Ca | ID: | 10 | |
| Motor ID: | 1-1 | 0 | | Test Number: | | | Start Ca | • | 0µfd | |
| Poles: | 6 | | | Poles: | 6 | | Enviror | | | |
| Volts: | 460 | | | Volts: | 460 | | Tested: | | 6/9/2016 2:59 | 45 PM |
| Frequency: | 60 | | | Hz: | 60 | | Tested | | Navarro, Susa | |
| HP: | 1/2-1/5 | | | Rotation: | 00 | | Gear R | | 1:1 | i.c. |
| Speed: | 1105-1130 | | | Special Cond: | | | | | -0.13 Oz-Ft | |
| Phase: | 1 | | | Speed Conn: | M 1 | | | | | |
| Protector: | 7AM036-A5 | | | TestBoard: | | Line Three | Windage Torque: -0.71 C Phase #2 Fixture #1 | | 0./1 OZ-Ft | |
| Consist Deinte | Wine (W) | 1 | Mann (M) | | Watta | DDM | | | | DE (%) |
| Special Points | Vline(V) 460.0 | Vaux (V) 316.6 | Vcap(V) 379.8 | 1line(A) 0.485 | Watts 150.5 | RPM 1196 | Tq(Oz-ft) 0.00 | HP 0.000 | Eff(%) 0.0 | PF(%) 67.5 |
| | 460.0 | 317.4 | 377.5 | 0.502 | 166.0 | 1193 | 1.87 | 0.027 | 11.9 | 72.0 |
| | 460.0 | 317.9 | 373.7 | 0.529 | 190.1 | 1189 | 4.45 | 0.063 | 24.7 | 78.1 |
| | 460.0 | 319.6 | 366.8 | 0.584 | 226.8 | 1183 | 8.54 | 0.120 | 39.5 | 84.4 |
| | 460.0 460.0 | 322.7 327.0 | 358.3 346.2 | 0.652 | 264.3 318.8 | 1175 1165 | 12.97 18.50 | 0.181 0.257 | 51.2 60.1 | 88.1 90.1 |
| 24.82 OZ-FT | 460.0 | 327.9 | 333.1 | 0.930 | 390.3 | 1153 | 24.82 | 0.341 | 65.1 | 91.3 |
| | 460.0 | 327.9 | 332.7 | 0.935 | 392.7 | 1152 | 25.03 | 0.343 | 65.2 | 91.3 |
| | 460.0 | 326.8 | 324.1 | 1.049 | 442.7 | 1140 | 29.67 | 0.403 | 67.9 | 91.7 |
| MAX % 38.56 OZ-FT | 460.0 460.0 | 324.2 322.2 | 311.7 304.5 | 1.220 | 515.3 559.0 | 1123 1112 | 35.51 38.56 | 0.475 0.511 | 68.7 68.1 | 91.8 91.7 |
| 58.56 02-FI | 460.0 | 320.4 | 298.9 | 1.409 | 592.6 | 1103 | 40.74 | 0.535 | 67.4 | 91.5 |
| | 460.0 | 315.8 | 287.4 | 1.586 | 661.6 | 1082 | 44.75 | 0.576 | 65.0 | 90.7 |
| | 460.0 | 310.0 | 276.1 | 1.778 | 732.7 | 1056 | 47.90 | 0.602 | 61.3 | 89.6 |
| MAX HP | 460.0 | 305.8 | 269.6 | 1.896 | 773.9 | 1037 | 49.38 | 0.610 | 58.8 | 88.7 |
| BDT OZ-FT | 460.0 460.0 | 303.4 296.3 | 266.2 257.8 | 1.964 2.144 | 796.9 855.0 | 1027 994 | 49.79 50.53 | 0.608 0.598 | 57.0 52.1 | 88.2 86.7 |
| 221 02 11 | 460.0 | 296.3 | 257.8 | 2.144 | 855.0 | 994 | 50.53 | 0.598 | 52.1 | 86.7 |
| | 460.0 | 289.0 | 251.5 | 2.307 | 903.5 | 958 | 50.07 | 0.571 | 47.1 | 85.1 |
| | 460.0 | 281.1 | 246.7 | 2.468 | 947.5 | 916 | 48.52 | 0.529 | 41.6 | 83.5 |
| | 460.0 460.0 | 273.4 265.8 | 244.0 242.6 | 2.607 2.736 | 980.9 1009.5 | 871 821 | 46.20 43.44 | 0.479 0.425 | 36.4 31.4 | 81.8 80.2 |
| | 460.0 | 258.4 | 242.5 | | 1031.4 | 766 | 39.99 | 0.365 | 26.4 | 78.7 |
| | 460.0 | 251.7 | 243.2 | | 1047.6 | 709 | 36.44 | 0.308 | 21.9 | 77.3 |
| | 460.0 | 244.9 | 244.7 | | 1060.4 | 643 | 32.59 | 0.249 | 17.6 | 76.0 |
| | 460.0 460.0 | 238.6 232.7 | 246.5 248.6 | | 1069.3 1073.9 | 573 497 | 28.64 24.46 | 0.195 0.145 | 13.6 | 74.8 73.7 |
| | 460.0 | 227.2 | 250.9 | | 1075.0 | 416 | 21.88 | 0.108 | 7.5 | 72.8 |
| | 460.0 | 221.7 | 254.4 | 3.242 | 1079.9 | 330 | 20.36 | 0.080 | 5.5 | 72.4 |
| | 460.0 460.0 | 216.6 210.5 | 258.0 262.5 | | 1087.0 1090.9 | 234 119 | 17.99 13.47 | 0.050 | 3.4 | 72.2 72.0 |
| | 400.0 | 210.0 | 202.0 | 0.270 | 2000.0 | 110 | 10.17 | 0.015 | | |
| | | | | | | | | | DRAWING NO. | PAGE 1 of |
| | | | | | | | | | | 5RHU6 |

Performance Data



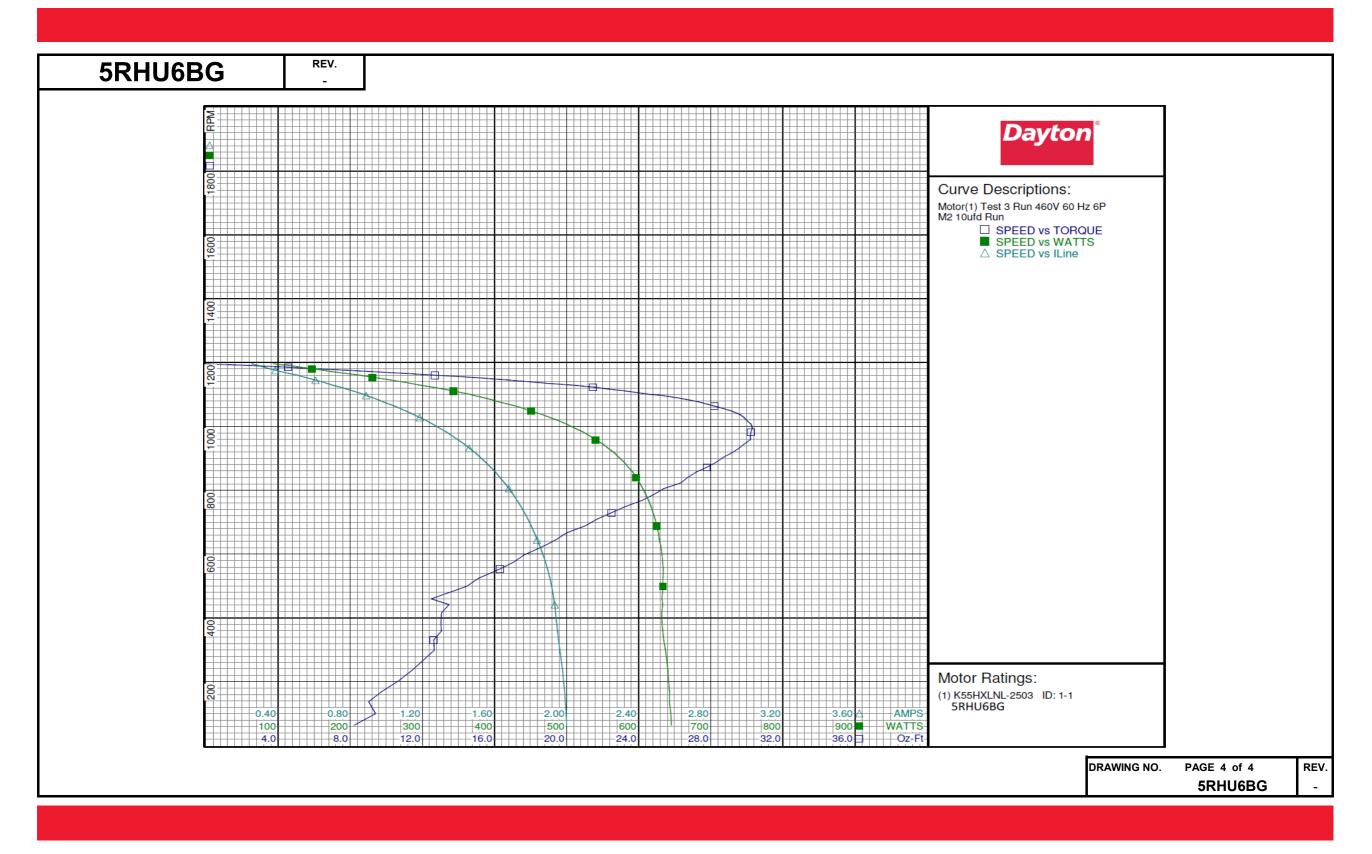




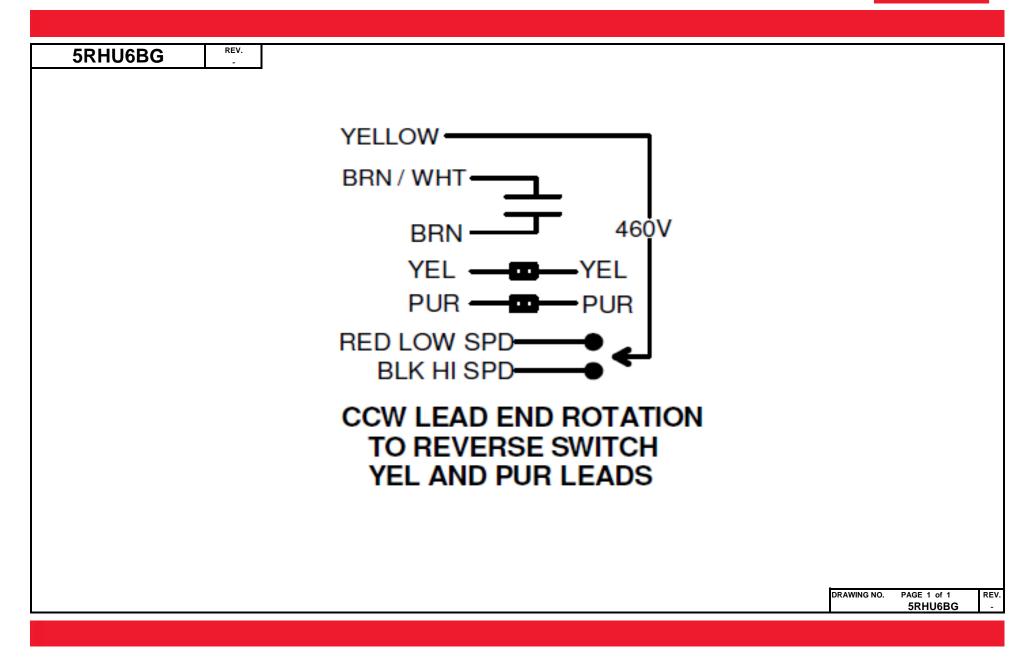
| RHU6BG | REV. - | | | | | | | | | |
|----------------------|-----------------------|----------------|----------------|---------------------------|----------------|--------------|-----------------------|----------------|---------------|---------------------|
| | | | | Dayt | ton Ma | nufactu | iring Con | npany | | |
| Motor Des | cription | | | | | Test Co | nditions | | | |
| Model: | K55HXLNL | 2503 5RH | J6BG | Test Type: | Run | | Run Ca | p: | 10 | |
| Motor ID: | 1-1 | | | Test Number: | 3 | | Start C | | 0µfd | |
| Poles: | 6 | | | Poles: | 6 | | Enviror | | | |
| Volts: | 460 | | | Volts: | 460 | | Tested: | | 6/9/2016 3:09 | |
| Frequency: | 60 | | | Hz: | 60 | | Tested | | Navarro, Susa | na |
| HP: | 1/2-1/5 | | | Rotation: | | | Gear R | | 1:1 | |
| Speed: | 1105-1130 | | | Special Cond: | | | | | -0.13 Oz-Ft | |
| Phase: Protector: | 1 7AM036-A5 | | | Speed Conn: TestBoard: | M2 CMD In | Line Three | Phase #2 Fi | | : -0.16 Oz-Ft | |
| Special Points | Vline(V) | Vaux (V) | Vcap(V) | Iline(A) | Watts | RPM | Tq(Oz-ft) | HP | Eff(%) | PF (%) |
| | 460.0 460.0 | 249.8 250.2 | 308.3 306.0 | 0.253 | 93.2 103.8 | 1196 1193 | 0.00 | 0.000 | 0.0 | 80.2 83.6 |
| | 460.0 | 250.2 | 302.0 | 0.297 | 118.7 | 1189 | 2.88 | 0.018 | 25.6 | 86.8 |
| | 460.0 | 250.7 | 295.8 | 0.334 | 138.2 | 1183 | 5.10 | 0.072 | 38.8 | 89.9 |
| | 460.0 | 253.2 | 285.1 | 0.385 | 162.2 | 1175 | 7.80 | 0.109 | 50.2 | 91.5 |
| | 460.0 460.0 | 257.7 258.4 | 272.1 262.3 | 0.463 0.547 | 195.0 231.2 | 1165 1154 | 11.19 14.66 | 0.155 | 59.4 65.0 | 91.6 91.9 |
| 15.3 OZ-FT | 460.0 | 258.2 | 260.4 | 0.564 | 238.5 | 1151 | 15.30 | 0.210 | 65.6 | 91.9 |
| | 460.0 | 257.1 | 252.2 | 0.642 | 271.9 | 1139 | 18.01 | 0.244 | 67.0 | 92.1 |
| 19.41 OZ-FT | 460.0 | 256.0 | 248.2 | 0.680 | 287.6 | 1133 | 19.41 | 0.262 | 67.9 | 91.9 |
| MAX % | 460.0 460.0 | 255.5 254.6 | 246.2 242.0 | 0.700 0.742 | 295.8 313.4 | 1129 1123 | 20.29 21.46 | 0.273 0.287 | 68.8 68.3 | 91.9 91.8 |
| | 460.0 | 250.5 | 229.3 | 0.874 | 365.6 | 1123 | 24.57 | 0.322 | 65.7 | 90.9 |
| | 460.0 | 247.3 | 221.3 | 0.962 | 399.2 | 1082 | 26.89 | 0.346 | 64.7 | 90.2 |
| | 460.0 | 242.5 | 211.7 | 1.078 | 440.9 | 1056 | 28.70 | 0.361 | 61.0 | 88.9 |
| MAX HP | 460.0 | 239.1 | 206.2 | 1.151 | 465.6 | 1037 | 29.62 | 0.366 | 58.6 | 88.0 |
| BDT OZ-FT | 460.0 460.0 | 237.3 231.3 | 203.7 196.7 | 1.186 1.298 | 477.1 512.2 | 1027 994 | 29.85 30.30 | 0.365 0.358 | 57.1 52.2 | 87.4 85.8 |
| | 460.0 | 231.3 | 196.7 | 1.298 | 512.2 | 994 | 30.30 | 0.358 | 52.2 | 85.8 |
| | 460.0 | 225.5 | 191.6 | 1.397 | 540.6 | 958 | 30.20 | 0.344 | 47.5 | 84.1 |
| | 460.0 | 219.2 | 187.8 | 1.494 | 566.3 | 917 | 29.16 | 0.318 | 41.9 | 82.4 |
| | 460.0 460.0 | 213.0 206.8 | 185.6 184.8 | 1.578 1.656 | 585.6 601.3 | 872 822 | 27.79 26.32 | 0.288 | 36.7 32.0 | 80.6 79.0 |
| | 460.0 | 200.9 | 185.1 | 1.725 | 613.5 | 768 | 24.20 | 0.221 | 26.9 | 77.3 |
| | 460.0 | 195.4 | 185.9 | 1.786 | 622.7 | 709 | 21.68 | 0.183 | 21.9 | 75.8 |
| | 460.0 | 190.0 | 187.5 | 1.837 | 628.7 | 644 | 19.40 | 0.149 | 17.7 | 74.4 |
| | 460.0 460.0 | 184.9 180.1 | 189.1 191.1 | 1.883 1.917 | 633.2 633.8 | 574 499 | 17.06 | 0.117 0.086 | 13.7 | 73.1 71.9 |
| | 460.0 | 176.0 | 192.7 | 1.939 | 632.0 | 416 | 13.06 | 0.065 | 7.6 | 70.9 |
| | 460.0 | 171.9 | 195.4 | 1.955 | 634.6 | 331 | 12.63 | 0.050 | 5.8 | 70.6 |
| | 460.0 | 167.7 | 198.7 | 1.977 | 640.4 | 237 | 11.45 | 0.032 | 3.8 | 70.4 |
| | 460.0 | 163.0 | 202.3 | 1.993 | 642.6 | 137 | 9.02 | 0.015 | 1.7 | 70.1 |
| | | | | | | | | | DRAWING NO. | PAGE 3 of 4 |
| | | | | | | | | | | 5RHU6E |

Performance Data









| Dayton CONDENSER FAN MOTOR | | | | | | | | | | | |
|--|--|--|-----------------|--------------------|----------------------------------|------------|--|--|--|--|--|
| RPM: 1075/2 SPD INS CL: B AMPS: 1.3-0.56 SFA: 1.3-0.56 ENCL: TEAO DUTY: CONT AMB: 70 °C | | | | | | | | | | | |
| FR: 48YZ MFG. NO. PROT. CODE :A0TOAVG. F.L. EFF. MTR REF: K55HXLNL-2503 THERMALLY PROTECTED: AUTO Part No: 5RHU6BG ROTATION: CCW Lead End Rev CAPACITOR: See Table Below | | | | | | | | | | | |
| BRN / WHT | FL | | MOTOR 1/2 HP | CAP MFD/370V 10 | SPEEDS TO USE HIGH (1115 RPM) | FLA 1.3 | | | | | |
| YEL - YEL PUR - PUR RED LOW SPD - • | E37403 | | 1/3 HP | 10 | HIGH (1150 RPM) | 0.93 | | | | | |
| BLK HI SPD | SP. | | 1/4 HP | 10 | LOW (1135 RPM) | 0.68 | | | | | |
| YEL AND PUR LEADS | 258501 | | 1/5 HP | 10 | LOW (1150 RPM) | 0.56 | | | | | |
| Mfd for Dayton E | Mfd for Dayton Electric Mfg. Co., Lake Forest, IL 60045 USA Made in Mexico | | | | | | | | | | |