

Changzhou OuHe Power Technology Co., Ltd

Motor test report

Client:***

Mode: BS-90-15

S/N: Bs901520220905

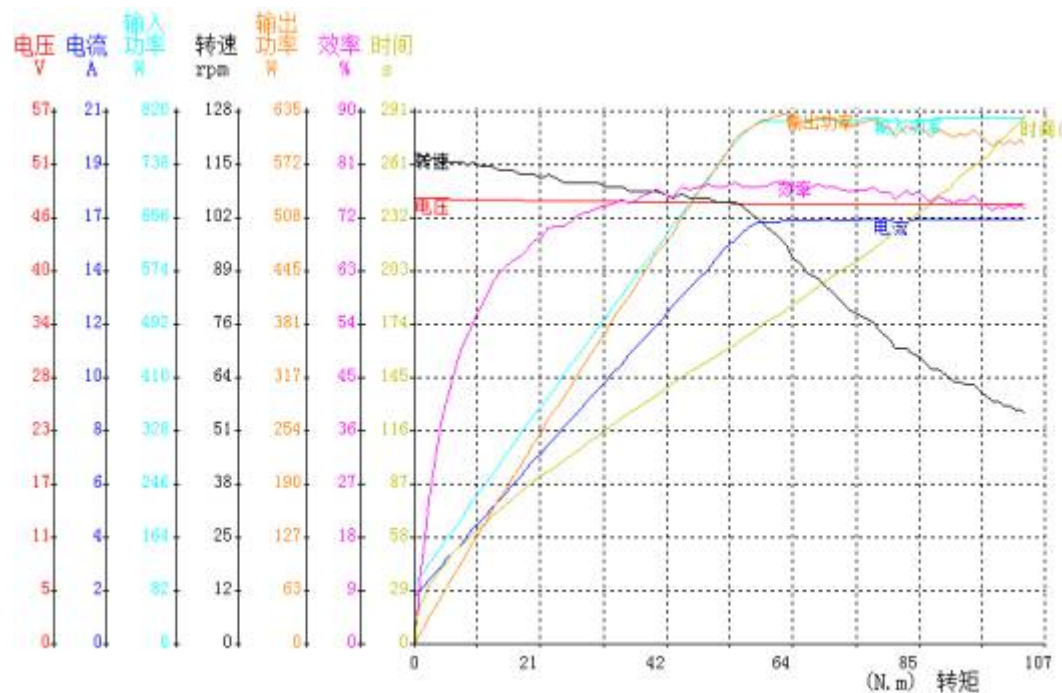
Rated Voltage(V) : 48

Rated Current(A) : 6

Rated Speed(rpm) : 80

Rated Power(kW) : 0.25

Rated Frequency(Hz) : 50



| Number (No.) | Voltage (V) | Current (A) | Input Power (W) | Cause (P. F) | Speed (rpm) | Torque (N.m) | Output Power (W) | Eff (%) | Times (s) |
|--------------|-------------|-------------|-----------------|--------------|-------------|--------------|------------------|---------|-----------|
| 1 | 48.13 | 1.916 | 92.24 | * | 118 | 0 | 0.14 | 0.2 | 1 |
| 2 | 48.13 | 1.923 | 92.57 | * | 118 | 0 | 0.1 | 0.1 | 4 |
| 3 | 48.13 | 1.926 | 92.74 | * | 118 | 0 | 0.56 | 0.6 | 7 |
| 4 | 48.13 | 1.932 | 93.02 | * | 118 | 0.1 | 1.45 | 1.6 | 10 |
| 5 | 48.13 | 1.974 | 95.04 | * | 118 | 0.3 | 3.77 | 4.0 | 13 |
| 6 | 48.13 | 2.024 | 97.45 | * | 118 | 0.5 | 6.61 | 6.8 | 16 |
| 7 | 48.12 | 2.104 | 101.2 | * | 118 | 0.8 | 10.44 | 10.3 | 19 |
| 8 | 48.12 | 2.21 | 106.3 | * | 117 | 1.2 | 15.04 | 14.1 | 22 |
| 9 | 48.12 | 2.31 | 111.1 | * | 117 | 1.6 | 19.92 | 17.9 | 25 |
| 10 | 48.11 | 2.458 | 118.2 | * | 118 | 2.1 | 26.37 | 22.3 | 29 |
| 11 | 48.1 | 2.599 | 125 | * | 117 | 2.6 | 32.54 | 26.0 | 32 |
| 12 | 48.1 | 2.735 | 131.5 | * | 117 | 3.2 | 39.38 | 29.9 | 35 |
| 13 | 48.09 | 2.914 | 140.1 | * | 117 | 3.9 | 48.35 | 34.5 | 38 |
| 14 | 48.07 | 3.104 | 149.2 | * | 117 | 4.6 | 57.24 | 38.4 | 41 |
| 15 | 48.07 | 3.35 | 161 | * | 116 | 5.4 | 65.96 | 41.0 | 44 |
| 16 | 48.06 | 3.564 | 171.3 | * | 116 | 6.2 | 76.14 | 44.4 | 48 |
| 17 | 48.04 | 3.785 | 181.8 | * | 116 | 7.1 | 86.78 | 47.7 | 51 |
| 18 | 48.04 | 4.011 | 192.7 | * | 116 | 8 | 97.3 | 50.5 | 54 |
| 19 | 48.02 | 4.324 | 207.7 | * | 115 | 9 | 108.4 | 52.2 | 57 |
| 20 | 48.01 | 4.607 | 221.2 | * | 116 | 9.9 | 120.5 | 54.5 | 60 |
| 21 | 47.99 | 4.856 | 233.1 | * | 115 | 10.9 | 132.1 | 56.7 | 63 |
| 22 | 47.99 | 5.118 | 245.6 | * | 115 | 12 | 144.8 | 59.0 | 66 |
| 23 | 47.98 | 5.382 | 258.2 | * | 115 | 13 | 157.4 | 61.0 | 69 |
| 24 | 47.97 | 5.669 | 271.9 | * | 114 | 14.2 | 170.2 | 62.6 | 72 |
| 25 | 47.95 | 5.981 | 286.8 | * | 114 | 15.3 | 183.6 | 64.0 | 75 |
| 26 | 47.93 | 6.328 | 303.3 | * | 114 | 16.4 | 196.4 | 64.8 | 78 |
| 27 | 47.92 | 6.666 | 319.5 | * | 113 | 17.7 | 209.4 | 65.5 | 82 |
| 28 | 47.91 | 7.003 | 335.5 | * | 113 | 18.9 | 223.8 | 66.7 | 85 |
| 29 | 47.89 | 7.304 | 349.8 | * | 113 | 20.1 | 238.7 | 68.2 | 88 |
| 30 | 47.88 | 7.616 | 364.6 | * | 112 | 21.3 | 250.7 | 68.8 | 91 |
| 31 | 47.87 | 7.93 | 379.6 | * | 113 | 22.6 | 268 | 70.6 | 94 |
| 32 | 47.86 | 8.323 | 398.3 | * | 112 | 24 | 282.3 | 70.9 | 97 |
| 33 | 47.84 | 8.675 | 415 | * | 111 | 25.2 | 293.9 | 70.8 | 100 |
| 34 | 47.83 | 9.01 | 431 | * | 111 | 26.6 | 309.2 | 71.7 | 103 |
| 35 | 47.83 | 9.345 | 447 | * | 111 | 28 | 325.7 | 72.9 | 106 |
| 36 | 47.81 | 9.745 | 465.9 | * | 111 | 29.3 | 341.4 | 73.3 | 110 |
| 37 | 47.79 | 10.14 | 484.7 | * | 111 | 30.8 | 358.1 | 73.9 | 113 |
| 38 | 47.79 | 10.46 | 500.1 | * | 110 | 32.2 | 371.4 | 74.3 | 116 |
| 39 | 47.78 | 10.83 | 517.7 | * | 110 | 33.5 | 386.1 | 74.6 | 119 |
| 40 | 47.76 | 11.18 | 534.1 | * | 110 | 34.9 | 402.4 | 75.3 | 123 |
| 41 | 47.75 | 11.62 | 555 | * | 109 | 36.3 | 414.7 | 74.7 | 126 |
| 42 | 47.74 | 11.97 | 571.6 | * | 109 | 37.9 | 432.6 | 75.7 | 129 |
| 43 | 47.73 | 12.31 | 588 | * | 109 | 39.2 | 448.3 | 76.2 | 132 |
| 44 | 47.71 | 12.73 | 607.5 | * | 109 | 40.9 | 467 | 76.9 | 135 |
| 45 | 47.7 | 13.09 | 624.7 | * | 108 | 42.2 | 477.2 | 76.4 | 138 |
| 46 | 47.68 | 13.53 | 645.4 | * | 107 | 43.6 | 489.1 | 75.8 | 142 |
| 47 | 47.67 | 13.9 | 660.5 | * | 108 | 45.1 | 510.9 | 77.4 | 145 |

| | Voltage (V) | Current (A) | Input power (W) | Cause (P. F) | Speed (rpm) | Torque (N.m) | Output Power (W) | Eff (%) | Time (s) |
|----------------|-------------|-------------|-----------------|--------------|-------------|--------------|------------------|---------|----------|
| Unload Point | 48.13 | 1.916 | 92.24 | * | 118 | 0 | 0.14 | 0.2 | 1 |
| Blocking Point | * | * | * | * | * | * | * | * | * |
| Rated Point | 47.88 | 7.616 | 364.6 | * | 112 | 21.3 | 250.7 | 68.8 | 91 |
| Max Torque | 47.52 | 17.04 | 810 | * | 55 | 103.4 | 595.9 | 73.6 | 290 |
| Max Output | 47.53 | 16.95 | 806.2 | * | 96 | 62.9 | 632.3 | 78.4 | 182 |
| Max Efficiency | 47.54 | 16.93 | 804.9 | * | 98 | 61.5 | 631.5 | 78.5 | 179 |

| | | | | | | | | | |
|----|-------|-------|-------|---|-----|-------|-------|------|-----|
| 48 | 47.66 | 14.26 | 679.8 | * | 107 | 46.6 | 522.7 | 76.9 | 148 |
| 49 | 47.65 | 14.64 | 698 | * | 107 | 48.2 | 540.1 | 77.4 | 151 |
| 50 | 47.64 | 15 | 714.9 | * | 107 | 49.7 | 556.9 | 77.9 | 154 |
| 51 | 47.63 | 15.41 | 734.3 | * | 106 | 51.1 | 568.1 | 77.4 | 157 |
| 52 | 47.61 | 15.81 | 752.8 | * | 106 | 52.4 | 582.4 | 77.4 | 160 |
| 53 | 47.59 | 16.19 | 770.8 | * | 106 | 54.3 | 602.9 | 78.2 | 163 |
| 54 | 47.58 | 16.52 | 786.5 | * | 105 | 55.5 | 610.6 | 77.6 | 167 |
| 55 | 47.56 | 16.77 | 797.9 | * | 103 | 57.2 | 617.8 | 77.4 | 170 |
| 56 | 47.54 | 16.9 | 803.8 | * | 102 | 58.4 | 623.9 | 77.6 | 173 |
| 57 | 47.53 | 16.92 | 804.7 | * | 100 | 59.8 | 626.4 | 77.8 | 176 |
| 58 | 47.54 | 16.93 | 804.9 | * | 98 | 61.5 | 631.5 | 78.5 | 179 |
| 59 | 47.53 | 16.95 | 806.2 | * | 96 | 62.9 | 632.3 | 78.4 | 182 |
| 60 | 47.54 | 16.96 | 806.5 | * | 93 | 64 | 623.9 | 77.4 | 185 |
| 61 | 47.54 | 16.94 | 805.7 | * | 91 | 65.5 | 624.6 | 77.5 | 188 |
| 62 | 47.54 | 16.94 | 805.8 | * | 89 | 66.8 | 623.1 | 77.3 | 191 |
| 63 | 47.54 | 16.97 | 807.2 | * | 88 | 68.2 | 628.7 | 77.9 | 195 |
| 64 | 47.54 | 17.01 | 808.7 | * | 86 | 69.6 | 627.3 | 77.6 | 198 |
| 65 | 47.54 | 16.98 | 807.7 | * | 84 | 71.1 | 626.1 | 77.5 | 201 |
| 66 | 47.54 | 16.95 | 806.1 | * | 82 | 72.3 | 620.7 | 77.0 | 204 |
| 67 | 47.55 | 16.95 | 806.2 | * | 80 | 73.8 | 618.7 | 76.7 | 207 |
| 68 | 47.55 | 16.98 | 807.5 | * | 79 | 75 | 621 | 76.9 | 210 |
| 69 | 47.54 | 17.02 | 809.2 | * | 78 | 76.4 | 624.1 | 77.1 | 213 |
| 70 | 47.54 | 17.04 | 810.2 | * | 77 | 77.8 | 627.2 | 77.4 | 216 |
| 71 | 47.54 | 17.03 | 809.8 | * | 75 | 79 | 620.5 | 76.6 | 219 |
| 72 | 47.54 | 16.94 | 805.6 | * | 73 | 80.5 | 615.9 | 76.5 | 223 |
| 73 | 47.54 | 16.92 | 804.9 | * | 71 | 81.5 | 605.9 | 75.3 | 226 |
| 74 | 47.54 | 16.93 | 805 | * | 71 | 83.4 | 620.4 | 77.1 | 229 |
| 75 | 47.54 | 16.96 | 806.3 | * | 70 | 84 | 616.4 | 76.4 | 232 |
| 76 | 47.54 | 16.99 | 807.9 | * | 69 | 85.5 | 618 | 76.5 | 236 |
| 77 | 47.52 | 17 | 808.4 | * | 67 | 86.9 | 609.7 | 75.4 | 239 |
| 78 | 47.52 | 17.01 | 808.8 | * | 66 | 87.6 | 605.4 | 74.9 | 242 |
| 79 | 47.52 | 17.02 | 809.3 | * | 66 | 88.8 | 614 | 75.9 | 245 |
| 80 | 47.52 | 17.02 | 809.2 | * | 64 | 90.6 | 607.2 | 75.0 | 248 |
| 81 | 47.52 | 17.02 | 809.2 | * | 63 | 91.5 | 603.8 | 74.6 | 252 |
| 82 | 47.52 | 17.03 | 809.4 | * | 63 | 92.3 | 609.4 | 75.3 | 255 |
| 83 | 47.53 | 17.03 | 809.5 | * | 62 | 93.5 | 607.1 | 75.0 | 258 |
| 84 | 47.53 | 17.03 | 809.7 | * | 62 | 94.7 | 615.2 | 76.0 | 261 |
| 85 | 47.53 | 17.03 | 809.6 | * | 60 | 96.1 | 604.2 | 74.6 | 264 |
| 86 | 47.53 | 17.03 | 809.6 | * | 59 | 97.1 | 600 | 74.1 | 267 |
| 87 | 47.52 | 17.03 | 809.5 | * | 58 | 97.9 | 594.6 | 73.5 | 270 |
| 88 | 47.52 | 17.03 | 809.5 | * | 58 | 98.9 | 600.8 | 74.2 | 274 |
| 89 | 47.52 | 17.03 | 809.6 | * | 57 | 99.7 | 595.6 | 73.6 | 277 |
| 90 | 47.52 | 17.03 | 809.7 | * | 57 | 100.7 | 601.6 | 74.3 | 280 |
| 91 | 47.52 | 17.04 | 809.8 | * | 56 | 101.9 | 597.9 | 73.8 | 283 |
| 92 | 47.52 | 17.04 | 809.9 | * | 56 | 102.8 | 602.8 | 74.4 | 286 |
| 93 | 47.52 | 17.04 | 810 | * | 55 | 103.4 | 595.9 | 73.6 | 290 |