

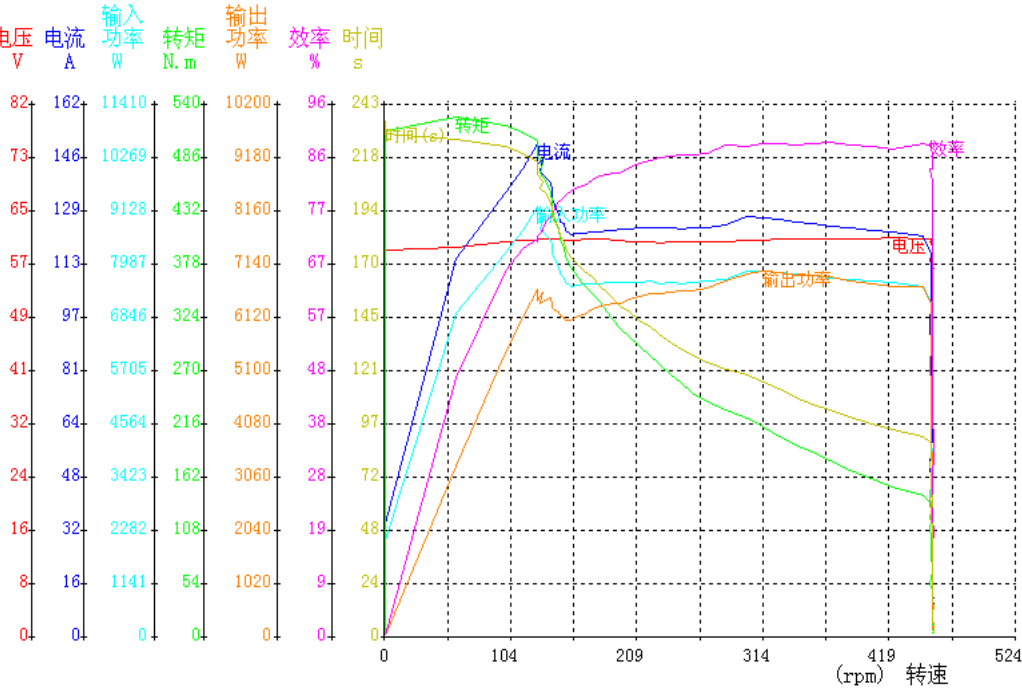
# 杭州威衡科技有限公司

## 电机测试报告

客户名称: 杭州威衡科技有限公司  
电机型号: WH-001  
电机编号: 0001

额定电压 (V): 60  
额定电流 (A): 55  
额定转速 (rpm): 3000

额定功率 (kW): 3.0  
额定频率 (Hz): 50  
额定转向: CW



| 编号 (No.) | 电压 (V) | 电流 (A) | 输入功率 (W) | 功因 (P.F) | 转速 (rpm) | 转矩 (N.m) | 输出功率 (W) | 效率 (%) | 时间 (s) |
|----------|--------|--------|----------|----------|----------|----------|----------|--------|--------|
| 1        | 56.83  | 9.72   | 552.4    | *        | 456      | 2        | 98.82    | 17.9   | 1      |
| 2        | 56.89  | 9.726  | 553.4    | *        | 456      | 2        | 100.6    | 18.2   | 4      |
| 3        | 56.93  | 9.935  | 565.7    | *        | 455      | 2        | 123.5    | 21.8   | 7      |
| 4        | 56.97  | 10.46  | 596.1    | *        | 455      | 3        | 160.1    | 26.9   | 10     |
| 5        | 57.46  | 11.37  | 653.3    | *        | 456      | 4        | 227.9    | 34.9   | 13     |
| 6        | 57.59  | 12.28  | 707.4    | *        | 455      | 5        | 284.9    | 40.3   | 16     |
| 7        | 57.63  | 13.59  | 783.5    | *        | 455      | 7        | 377.5    | 48.2   | 19     |
| 8        | 57.08  | 15.87  | 906.1    | *        | 455      | 10       | 503.7    | 55.6   | 23     |
| 9        | 57.13  | 18.02  | 1029     | *        | 455      | 13       | 635.5    | 61.8   | 26     |
| 10       | 57.07  | 20.62  | 1177     | *        | 455      | 16       | 795.3    | 67.6   | 29     |
| 11       | 57.07  | 23.36  | 1333     | *        | 454      | 20       | 965.3    | 72.4   | 32     |
| 12       | 57.17  | 26.66  | 1524     | *        | 455      | 24       | 1147     | 75.3   | 35     |
| 13       | 57.23  | 30.45  | 1742     | *        | 454      | 27       | 1292     | 74.2   | 38     |
| 14       | 58.21  | 33.94  | 1975     | *        | 454      | 30       | 1473     | 74.6   | 41     |
| 15       | 59.08  | 36.34  | 2147     | *        | 454      | 36       | 1712     | 79.7   | 44     |
| 16       | 59.05  | 40.26  | 2377     | *        | 454      | 41       | 1956     | 82.3   | 47     |
| 17       | 59.57  | 44.98  | 2679     | *        | 454      | 46       | 2218     | 82.8   | 51     |
| 18       | 58.03  | 51.45  | 2985     | *        | 452      | 53       | 2532     | 84.8   | 54     |
| 19       | 57.67  | 56.62  | 3265     | *        | 453      | 58       | 2767     | 84.7   | 57     |
| 20       | 59.28  | 61.25  | 3632     | *        | 454      | 64       | 3080     | 84.8   | 60     |
| 21       | 60.2   | 64.42  | 3878     | *        | 454      | 71       | 3397     | 87.6   | 63     |
| 22       | 60.47  | 69.34  | 4193     | *        | 453      | 78       | 3719     | 88.7   | 66     |
| 23       | 60.62  | 76.08  | 4612     | *        | 453      | 86       | 4083     | 88.5   | 69     |
| 24       | 60.71  | 82.04  | 4981     | *        | 453      | 93       | 4436     | 89.1   | 72     |
| 25       | 60.86  | 88.13  | 5364     | *        | 453      | 101      | 4816     | 89.8   | 75     |
| 26       | 60.96  | 95.5   | 5822     | *        | 452      | 109      | 5186     | 89.1   | 78     |
| 27       | 61.02  | 101.3  | 6184     | *        | 453      | 116      | 5538     | 89.6   | 81     |
| 28       | 61.09  | 108.8  | 6648     | *        | 453      | 125      | 5938     | 89.3   | 84     |
| 29       | 61.33  | 116.7  | 7159     | *        | 453      | 134      | 6367     | 88.9   | 88     |
| 30       | 61.43  | 122    | 7498     | *        | 447      | 143      | 6694     | 89.3   | 91     |
| 31       | 61.47  | 123.4  | 7585     | *        | 421      | 151      | 6697     | 88.3   | 94     |
| 32       | 61.4   | 124.1  | 7622     | *        | 403      | 160      | 6770     | 88.8   | 97     |
| 33       | 61.28  | 124.8  | 7654     | *        | 386      | 168      | 6822     | 89.1   | 100    |
| 34       | 61.31  | 125.4  | 7691     | *        | 369      | 178      | 6882     | 89.5   | 103    |
| 35       | 61.34  | 126.2  | 7745     | *        | 355      | 186      | 6922     | 89.4   | 106    |
| 36       | 61.34  | 126.6  | 7771     | *        | 340      | 194      | 6923     | 89.1   | 109    |
| 37       | 61.29  | 127.3  | 7802     | *        | 327      | 203      | 6973     | 89.4   | 113    |
| 38       | 61.23  | 127.7  | 7819     | *        | 314      | 212      | 6994     | 89.4   | 116    |
| 39       | 61.16  | 128    | 7833     | *        | 300      | 221      | 6960     | 88.9   | 119    |
| 40       | 60.95  | 125.6  | 7658     | *        | 283      | 230      | 6823     | 89.1   | 122    |
| 41       | 60.94  | 124.9  | 7618     | *        | 267      | 238      | 6674     | 87.6   | 125    |
| 42       | 60.88  | 124.6  | 7590     | *        | 255      | 247      | 6621     | 87.2   | 128    |
| 43       | 60.86  | 124.4  | 7575     | *        | 246      | 256      | 6613     | 87.3   | 131    |
| 44       | 60.81  | 124.6  | 7580     | *        | 237      | 265      | 6601     | 87.1   | 134    |
| 45       | 60.74  | 124.6  | 7571     | *        | 227      | 276      | 6563     | 86.7   | 138    |
| 46       | 60.95  | 124.7  | 7606     | *        | 220      | 284      | 6562     | 86.3   | 141    |
| 47       | 60.99  | 124.6  | 7601     | *        | 212      | 293      | 6525     | 85.8   | 144    |

|       | 电压 (V) | 电流 (A) | 输入功率 (W) | 功因 (P.F) | 转速 (rpm) | 转矩 (N.m) | 输出功率 (W) | 效率 (%) | 时间 (s) |
|-------|--------|--------|----------|----------|----------|----------|----------|--------|--------|
| 空载点   | 56.83  | 9.72   | 552.4    | *        | 456      | 2        | 98.82    | 17.9   | 1      |
| 堵转点   | 59.64  | 34.14  | 2036     | *        | 0        | 513      | 0        | 0.0    | 230    |
| 额定点   | 59.28  | 61.25  | 3632     | *        | 454      | 64       | 3080     | 84.8   | 60     |
| 最大转矩点 | 60.07  | 115.5  | 6942     | *        | 59       | 527      | 3257     | 46.9   | 227    |
| 最大输出点 | 61.23  | 127.7  | 7819     | *        | 314      | 212      | 6994     | 89.4   | 116    |
| 最高效率点 | 60.86  | 88.13  | 5364     | *        | 453      | 101      | 4816     | 89.8   | 75     |

|    |       |       |      |   |     |     |      |      |     |
|----|-------|-------|------|---|-----|-----|------|------|-----|
| 48 | 61.01 | 124.3 | 7588 | * | 203 | 303 | 6460 | 85.1 | 148 |
| 49 | 61.13 | 124.2 | 7595 | * | 195 | 312 | 6378 | 84.0 | 151 |
| 50 | 61.19 | 123.9 | 7586 | * | 189 | 321 | 6370 | 84.0 | 154 |
| 51 | 61.25 | 123.8 | 7586 | * | 184 | 329 | 6348 | 83.7 | 157 |
| 52 | 61.26 | 123.5 | 7567 | * | 178 | 339 | 6321 | 83.5 | 160 |
| 53 | 61.24 | 123.6 | 7573 | * | 172 | 348 | 6270 | 82.8 | 164 |
| 54 | 61.24 | 123.2 | 7548 | * | 165 | 357 | 6171 | 81.8 | 167 |
| 55 | 61.22 | 122.9 | 7525 | * | 160 | 365 | 6131 | 81.5 | 170 |
| 56 | 61.18 | 122.7 | 7510 | * | 154 | 375 | 6057 | 80.7 | 173 |
| 57 | 61.14 | 123.9 | 7580 | * | 150 | 385 | 6058 | 79.9 | 177 |
| 58 | 61.1  | 126.1 | 7688 | * | 148 | 395 | 6124 | 79.7 | 180 |
| 59 | 61.32 | 126.7 | 7772 | * | 145 | 403 | 6131 | 78.9 | 183 |
| 60 | 61.38 | 128.8 | 7910 | * | 144 | 413 | 6232 | 78.8 | 186 |
| 61 | 61.37 | 131.5 | 8074 | * | 141 | 423 | 6253 | 77.4 | 189 |
| 62 | 61.37 | 133.9 | 8222 | * | 139 | 433 | 6312 | 76.8 | 192 |
| 63 | 61.4  | 137   | 8414 | * | 138 | 442 | 6389 | 75.9 | 195 |
| 64 | 61.41 | 138.5 | 8508 | * | 137 | 451 | 6477 | 76.1 | 198 |
| 65 | 61.44 | 139.6 | 8579 | * | 134 | 461 | 6471 | 75.4 | 202 |
| 66 | 61.45 | 141.9 | 8723 | * | 129 | 471 | 6372 | 73.0 | 205 |
| 67 | 61.43 | 145.8 | 8959 | * | 131 | 480 | 6587 | 73.5 | 208 |
| 68 | 61.35 | 144.2 | 8848 | * | 126 | 487 | 6427 | 72.6 | 211 |
| 69 | 61.28 | 149.2 | 9148 | * | 126 | 495 | 6543 | 71.5 | 214 |
| 70 | 61.2  | 150.5 | 9217 | * | 126 | 503 | 6647 | 72.1 | 217 |
| 71 | 61.03 | 142.6 | 8706 | * | 114 | 512 | 6114 | 70.2 | 221 |
| 72 | 60.84 | 135.3 | 8234 | * | 100 | 519 | 5442 | 66.1 | 224 |
| 73 | 60.07 | 115.5 | 6942 | * | 59  | 527 | 3257 | 46.9 | 227 |
| 74 | 59.64 | 34.14 | 2036 | * | 0   | 513 | 0    | 0.0  | 230 |
| 75 | 59.12 | 34.71 | 2052 | * | 0   | 434 | 0    | 0.0  | 233 |
| 76 | 58.53 | 0.252 | 14.8 | * | 0   | 0   | 0    | 0.0  | 236 |