

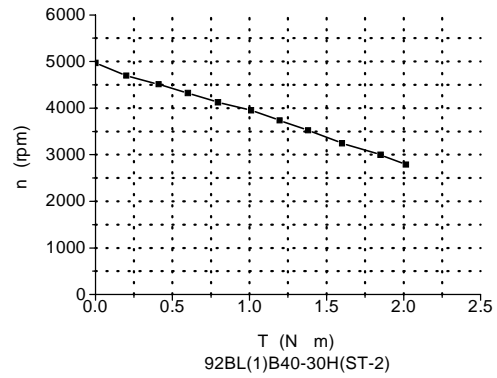
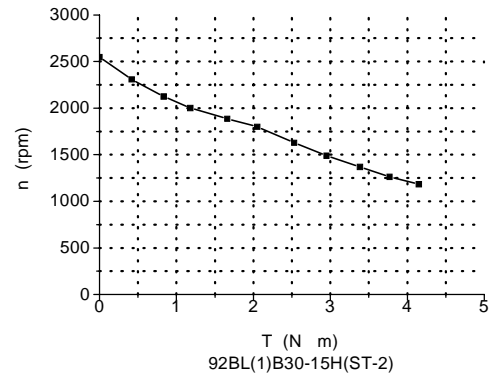
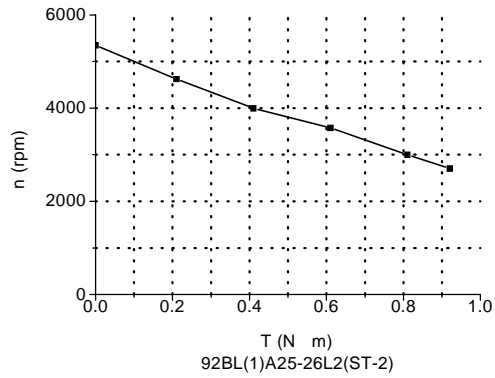
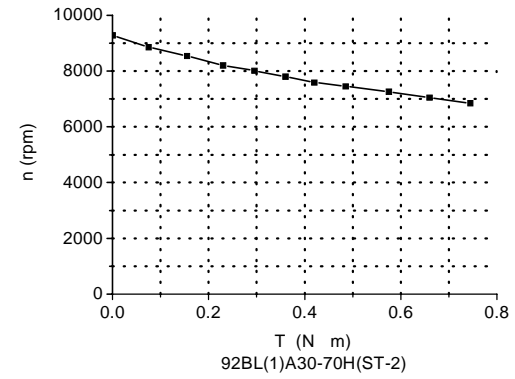
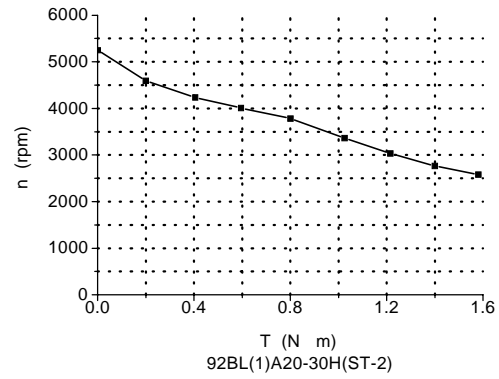
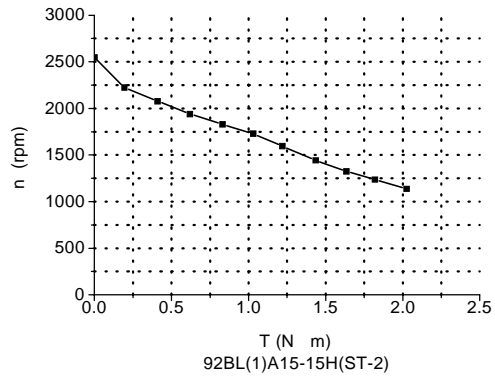
92 机座无刷直流电动机

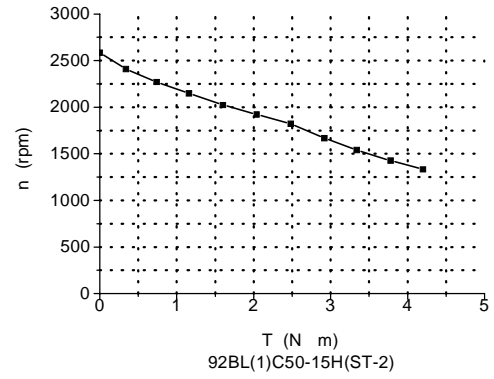
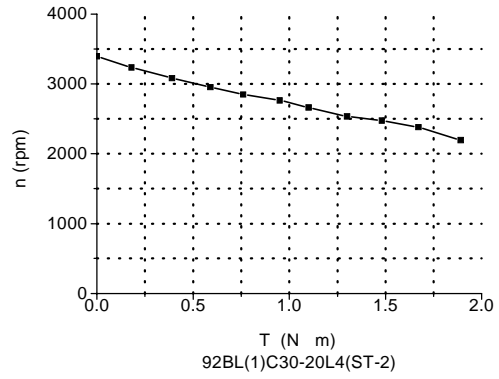
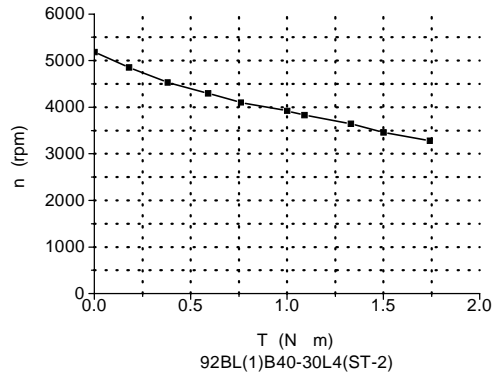
1、性能参数表

92 BL(1)□-□-□(ST-2)系列产品

| 参数 | 符号 | 单位 | 型 号 | | | | | | | | |
|-----------|-------------|----------|---------|---------|---------|----------|---------|---------|----------|----------|---------|
| | | | A15-15H | A20-30H | A30-70H | A25-26L2 | B30-15H | B40-30H | B40-30L4 | C30-20L4 | C50-15H |
| 额定输出功率 | P_N | W | 150 | 200 | 300 | 250 | 300 | 400 | 400 | 300 | 500 |
| 额定电源电压 | V_{IN} | V | 220(AC) | 220(AC) | 220(AC) | 24(DC) | 220(AC) | 220(AC) | 48(DC) | 48(DC) | 220(AC) |
| 额定电压(DC) | V_N | V | 260 | 226 | 277 | 21.3 | 246 | 241 | 39.0 | 38.3 | 254 |
| 额定电流(DC) | I_N | A | 0.945 | 1.24 | 1.48 | 21.0 | 1.75 | 2.22 | 15.1 | 10.8 | 3.17 |
| 额定线电流(AC) | $I_{N\sim}$ | A | 0.847 | 1.12 | 1.37 | 18.5 | 1.56 | 2.09 | 13.5 | 8.97 | 2.45 |
| 额定转速 | n_N | rpm | 1500 | 3000 | 7000 | 2600 | 1500 | 3000 | 3000 | 2000 | 1500 |
| 额定转矩 | T_N | Nm | 0.955 | 0.637 | 0.410 | 0.918 | 1.91 | 1.27 | 1.27 | 1.43 | 3.18 |
| 电势系数 | k_e | Vs/rad | 1.13 | 0.557 | 0.316 | 0.0411 | 1.13 | 0.595 | 0.0884 | 0.134 | 1.14 |
| 转矩系数 | k_t | Nm/A | 1.33 | 0.730 | 0.345 | 0.0471 | 1.36 | 0.698 | 0.0950 | 0.144 | 1.37 |
| 电枢绕组电阻 | R | Ω | 23.1 | 5.77 | 2.27 | 0.0505 | 8.56 | 2.44 | 0.086 | 0.212 | 5.77 |
| 电枢绕组电感 | L | mH | 183 | 45.2 | 15.1 | 0.377 | 82.5 | 22.5 | 0.787 | 1.86 | 59.3 |
| 转动惯量 | J_r | Kgm^2 | 1.23e-4 | 1.23e-4 | 1.23e-4 | 1.23e-4 | 2.46e-4 | 2.46e-4 | 2.46e-4 | 3.69e-4 | 3.69e-4 |
| 摩擦转矩 | T_f | Nm | 0.06 | 0.06 | 0.06 | 0.06 | 0.12 | 0.12 | 0.12 | 0.18 | 0.18 |
| 阻尼系数 | β | Nms/rad | 2.8e-5 | 2.8e-5 | 2.8e-5 | 2.8e-5 | 5.6e-5 | 5.6e-5 | 5.6e-5 | 8.4e-5 | 8.4e-5 |
| 额定功率增长率 | Q_N | KW/sec | 7.42 | 3.30 | 1.37 | 6.85 | 14.8 | 6.59 | 6.59 | 5.56 | 120 |
| 机械时间常数 | T_m | msec | 1.61 | 1.33 | 2.36 | 3.70 | 1.14 | 1.23 | 2.34 | 4.34 | 0.062 |
| 电气时间常数 | T_e | msec | 7.92 | 7.83 | 6.62 | 7.48 | 9.64 | 9.22 | 9.15 | 8.76 | 43.0 |
| 重量 | G | Kg | 2.4 | 2.4 | 2.4 | 2.4 | 3.2 | 3.2 | 3.2 | 3.7 | 3.7 |

2、特性曲线





3、外形及安装尺寸

