RS-550PF (8021)

For Reference only.

At Maximum Efficiency

- Speed: 21840 r/min
- Current: 14.685 A
- Power: 133.22 W
- Torque: 58.252 mN\(\cdot\)m
- Eff.: 75.598%

At Maximum Output Power

- Speed: 24000 r/min
- Current: 148 A
- Power: 647.25 mN\(\cdot\)m
- Torque: 406.65 W
- Eff.: 45.334%

Motor Characteristics

- Free Speed: 24000 r/min
- E\(c\): V
- Free Current: 1.5 A
- \(\alpha\): 
- Stall Current: 148 A
- Max V: 12 V
- Stall Torque: 647.25 mN\(\cdot\)m
- K\(t\): 4.418 mN\(\cdot\)m/A
- R: 0.0811 \(\Omega\)
- Back EMF: 15.52 mN\(\cdot\)m/\(\sqrt{W}\)