

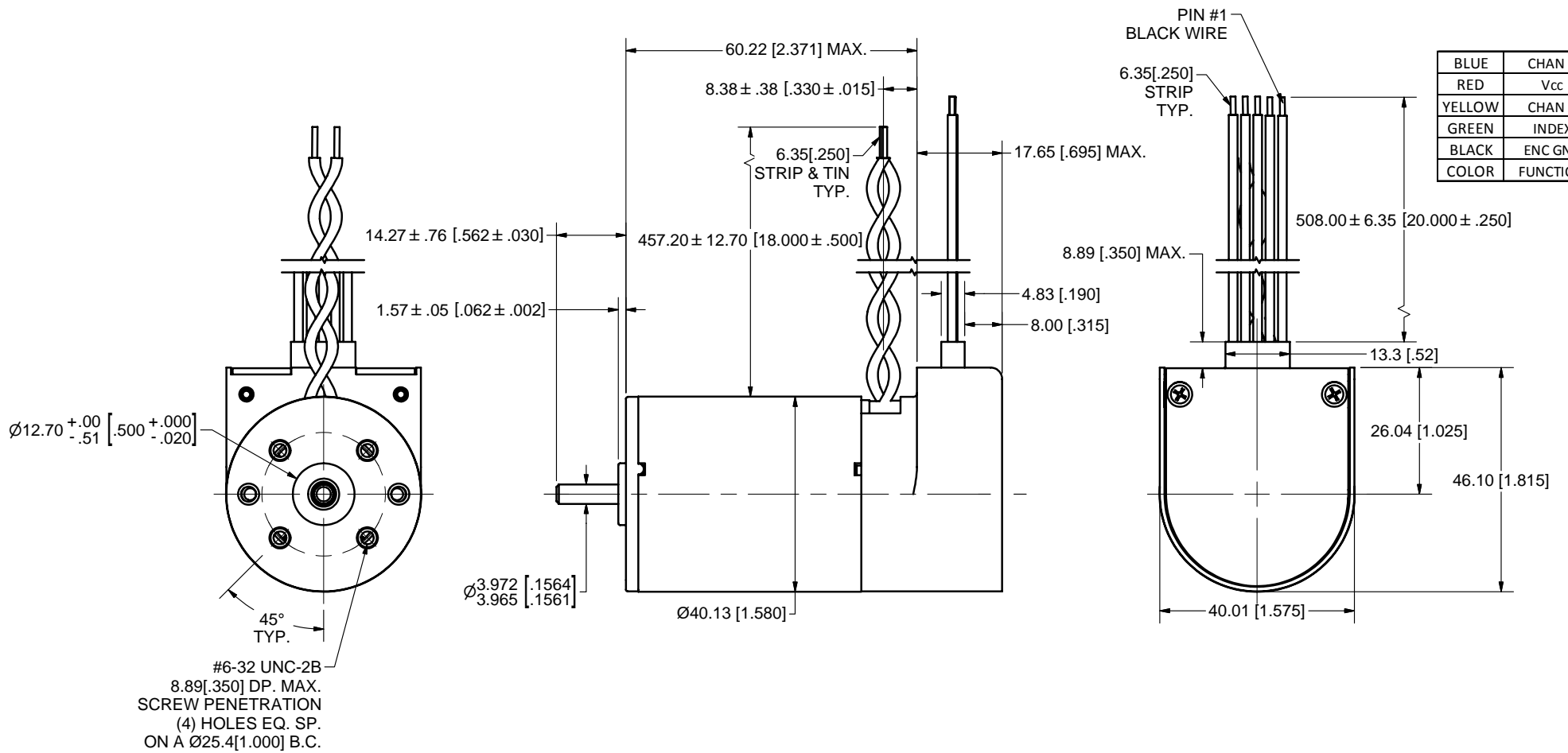
Product Details

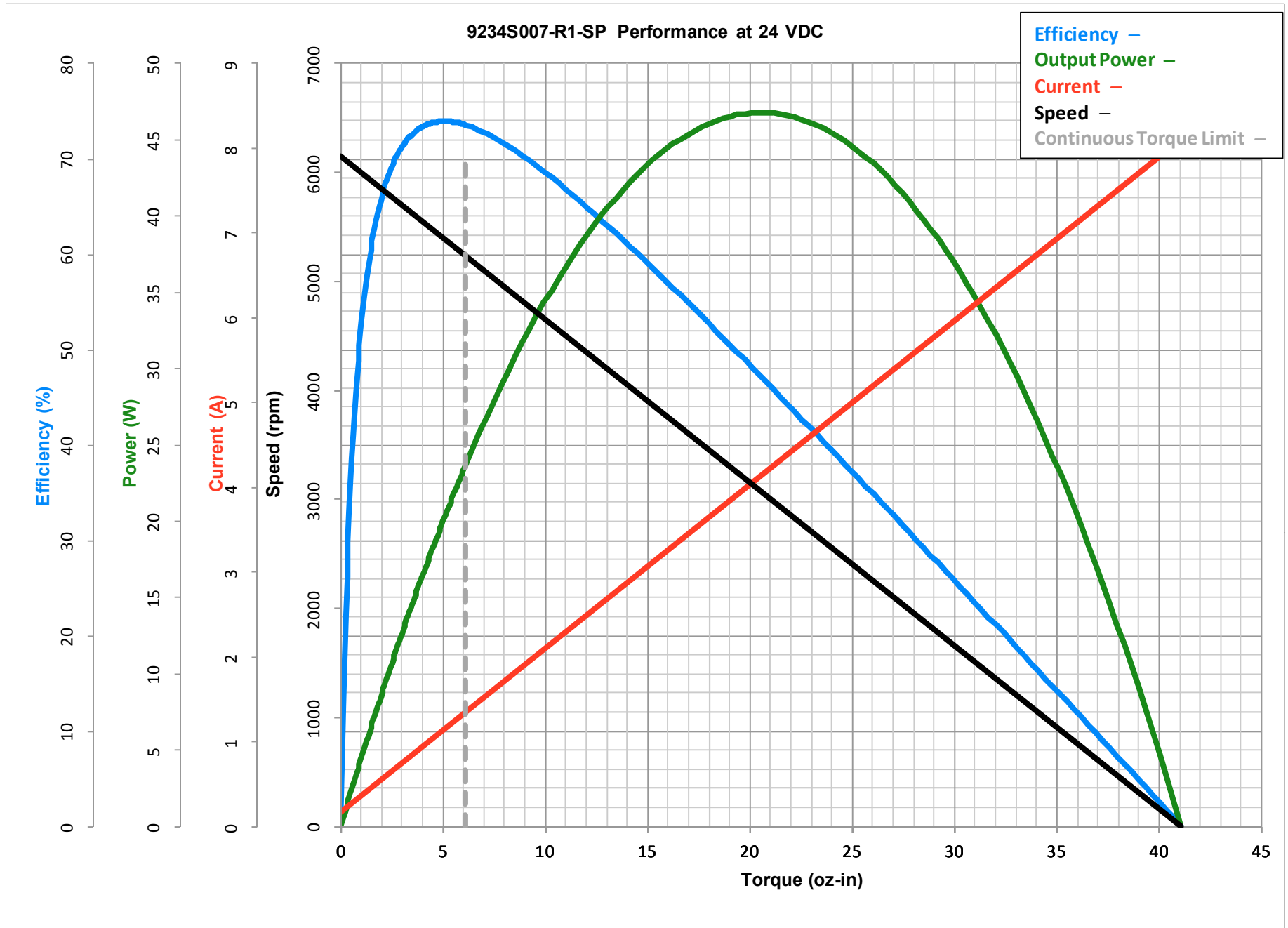
Brush DC Motor 9234S007-R1-SP

Note: Product photo is for illustrative purposes. Please refer to Engineering Drawing for specifics.



Motor Series	Series 9000 LO-COG Brush Commutated DC Motors
Frame Size (Mounting Face) (in)	1.58
Motor Frame Size (in)	1.58
Gear Frame Size (in)	n/a
Overall Body Length (in)	3.066
Supply Voltage (V)	24
Continuous Output Torque (oz-in)	6.1
Output Speed @ Cont. Torque (RPM)	5040
Current @ Cont. Torque (A)	1.5
Continuous Output Power (W)	23
No Load Current (A)	0.16
No Load Output Speed (RPM)	6030
Peak Current (A)	8.1
Peak Output Torque (oz-in)	41
Motor Constant (oz-in/√W)	3.01
Motor Torque Constant (oz-in/A)	5.17
Motor Voltage Constant (V/krpm)	3.82
Terminal Resistance (Ohms)	2.96
Inductance (mH)	2.5
Coulomb Friction Torque (oz-in)	0.6
Viscous Damping Factor (oz-in/krpm)	0.039
Electrical Time Constant (ms)	0.85
Mechanical Time Constant (ms)	9.3
Thermal Time Constant (min)	12
Thermal Resistance (°C/Watt)	17
Maximum Winding Temperature (°C)	155
Rotor Inertia (oz-in-s ²)	0.00059
Output Bearing	Ball
Gear Series	n/a
Gear Ratio (xx.x:1)	n/a
Gear Type	n/a
Gear Efficiency	n/a
Gear Maximum Torque (oz-in)	n/a
Encoder Series	E30B
Encoder Resolution (CPR)	500
Encoder Output Channels	3
Weight (Mass) (oz)	12
Voltage Note	n/a
Torque Warning	n/a





All values are nominal at 25°C. Peak torque and peak current are theoretical values. Curves are shown for reference only.