

Performance (In an ambient temperature of 25-30 °C)
 Motor tested rapidly to prevent significant temperature rise.
 At a constant voltage of : 10.00 Volts
 With a circuit resistance of : 0.000 Ohms

At NO LOAD

Speed : 21312 RPM
 Current : 6.133 AMPS

At stall (Extrapolated)

Torque : 563.488 mN-m
 Current : 126.832 AMPS

At maximum efficiency

Efficiency : 66.59 %
 Torque : 101.428 mN-m
 Speed : 17476 RPM
 Current : 27.858 AMPS

At maximum Power output

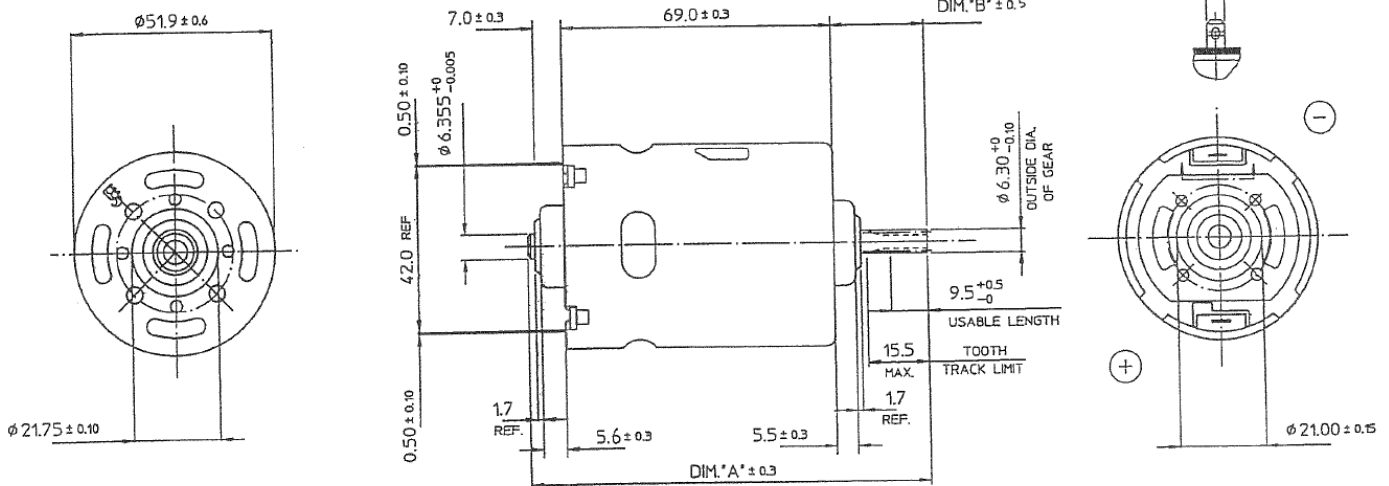
Output : 314.19 Watts
 Torque : 281.744 mN-m
 Speed : 10656 RPM
 Current : 66.483 AMPS

Characteristics

Torque constant : 4.669 mN-m/AMP
 E.M.F. constant : 4.669 mV/rad/sec
 Dynamic resistance : 0.079 Ohms
 Motor regulation : 37.822 PRM/mN-m

Issued by Sampling Dept.

COMPUTER PRINT-OUT
 NOMINAL MOTOR CURVES.
 Performance and characteristics
 are measured based on limited
 motor samples only.

ROTATION

NOTES :

1. LENGTH OF SHAFT, DIM. "A" 102.0 mm.
2. FRONT EXTENSION, DIM. "B" 24.0 mm.
3. DIRECTION OF ROTATION : ANTI-CLOCKWISE WHEN VIEWING MOTOR OUTPUT END WITH POSITIVE VOLTAGE APPLIED TO POSITIVE TERMINAL.
4. END PLAY : 0.15 mm MAX.
5. ANY VENTILATION HOLES IN THE MOTOR SHOULD NOT BECOME BLOCKED IN FINAL PRODUCT WITHOUT CONSULTATION WITH JOHNSON.