

Datasheet

UNIT:MILLIMETER

1. Standard Operating Conditions:

1-1 Voltage operating range: 10.0~14.0 V DC.

1-2 Driving Voltage: 12.0V DC Constant between motor terminals.

1-3 Direction of Rotation: CW when viewed from output shaft side.

1-4 Position of Motor: To be placed horizontally when measuring.

2. Environmental Conditions:

環境條件

2-1 Operation Temperature Range: -5°C~55°C

2-2 Operation Humidity Range: 30%~95%

3. Electrical Characteristics (at initial stage)

3-1 No Load Current: 0.03A (0.05A Max)

3-2 No Load Speed : 77rpm $\pm 10\%$

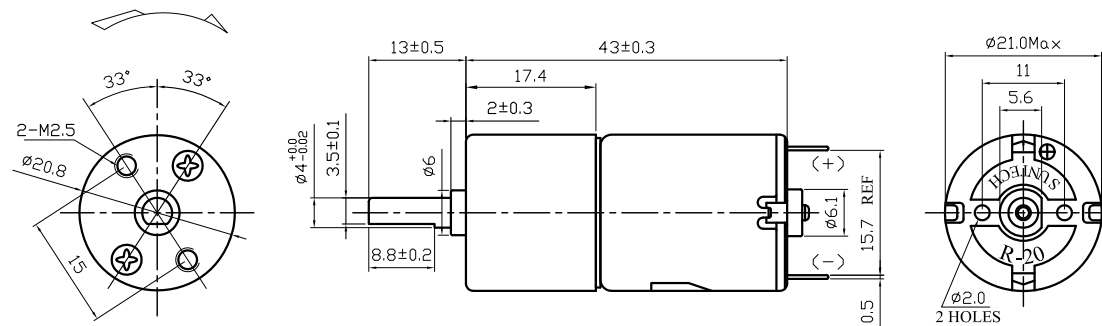
3-3 Rated Load Current: 0.05A (0.08A Max)

3-4 Rated Load Speed: 72rpm $\pm 12\%$

3-5 Rated Load: 200g.

3-6 Start Voltage: 3.5 V Max

DIRECTION OF ROTATION



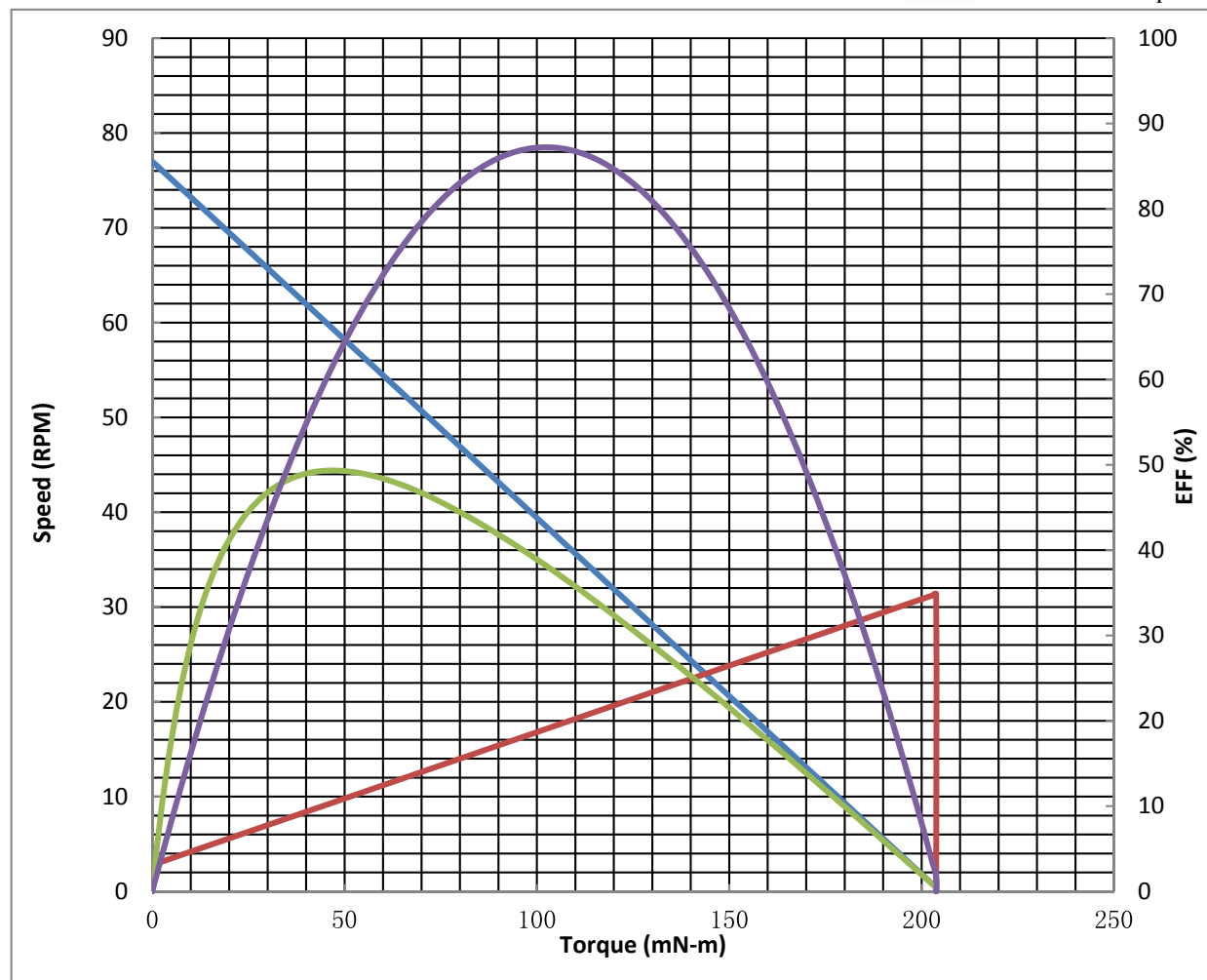
4.Noise Level:

4-1 Test Method 10 cm Distance Test

4-2 Noise Level: 60 dB(A) Max.

Project No.: 0
No. : 20022000
Model : YG2732

Date : 2020.02.20
Full scale : 100 % Eff
1.0 Watts
1.0 Amp.



Performance (in an ambient temperature of 25-30 ° C)

Motor tested rapidly to prevent significant temperature rise.

At a constant voltage of : 12.00 Volts

Direction: CW

At No Load

Speed : 77 RPM
Current : 0.031 AMPS

At stall (Extrapolated)

Torque : 204.82 mN-m
Current : 0.350 AMPS

At maximum efficiency

Efficiency: 49.3 %
Torque : 46.976 mN-m
Speed : 59 RPM
Current : 0.104 AMPS
Output : 0.62 Watts

At maximum Power output

Output : 0.872 Watts
Torque : 102.411 mN-m
Speed : 46 RPM
Current : 0.16 AMPS

Characteristics

Torque constant : 642.074 mN-m/AMP
E.M.F. constant : 67.204 mV/rad/sec
Dynamic resistance: 34.2857 Ohms
Motor regulation : 0.38 RPM/mN-m

Issued by QA Reliability Testing Center

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