

NFP-10GP-M10

10mm 171.5:1 1.5V / 3V DC



- 1. 10mm diameter cross planetary DC gear motor for compact drive mechanisms.
- 2. High torque output with 171.5:1 gear ratio for demanding miniature applications.
- 3. Dual voltage versions: 1.5V DC at 30rpm and 3V DC at 60rpm no-load speed.
- 4. Available with gearbox ear options and cross shaft configurations.
- 5. Suitable for small-scale robotics, automation, precision mechanisms, and compact high-torque devices.

10mm MOTOR DIAMETER	171.5:1 GEAR RATIO	30/60rpm NO-LOAD SPEED	260g.cm 3V STALL TORQUE
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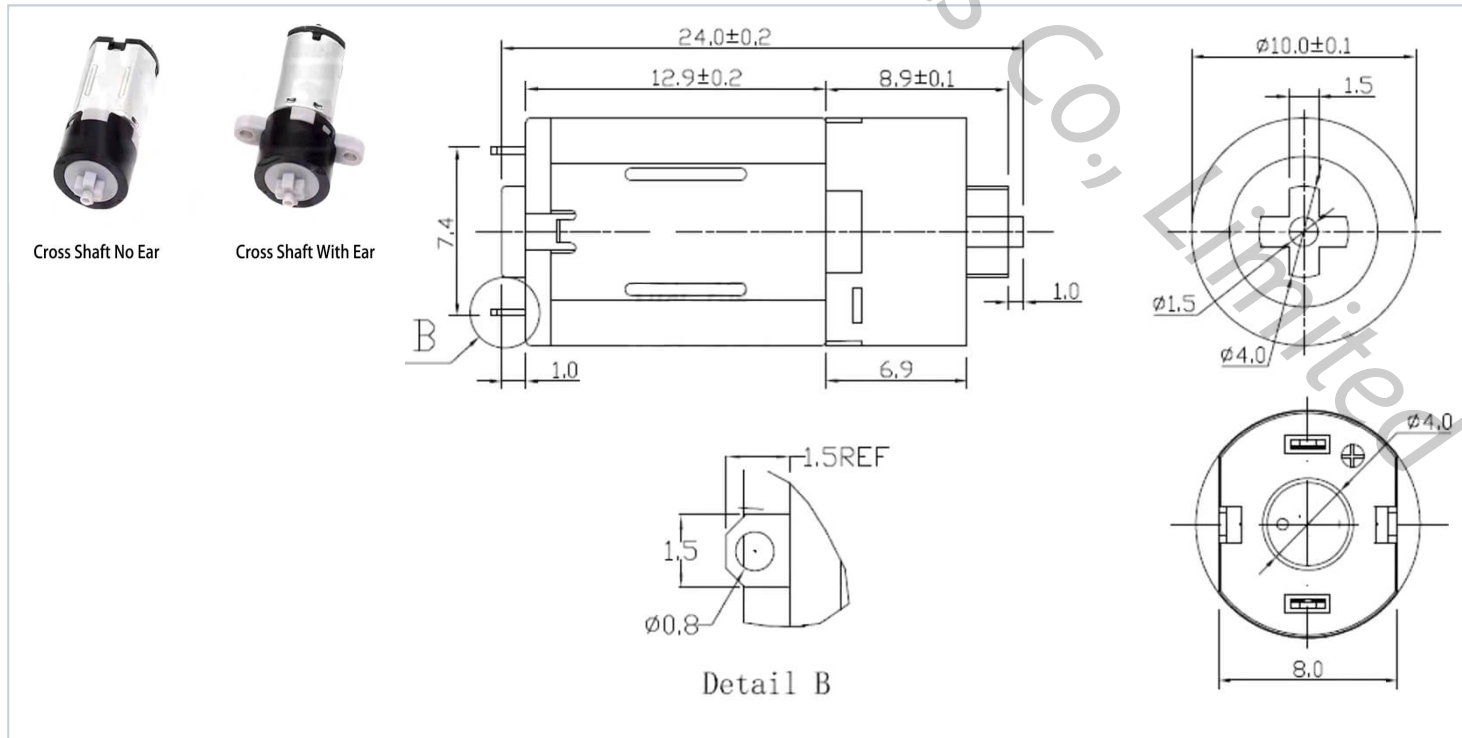
PRODUCT OPTIONS

Option	Published Values
Gearbox Ear	With / Without
Voltage & Speed	1.5V 30RPM / 3V 60RPM / 5V 100RPM
Primary Published Ratio	171.5:1

MOTOR PERFORMANCE DATA

Parameter	NFP-10GP-M10-1.5	NFP-10GP-M10-3
Rated Voltage	1.5V DC	3V DC
No-load Speed	30rpm	60rpm
No-load Current	≤35mA	≤70mA
Ratio	171.5:1	171.5:1
At Max Efficiency Power	0.01W	0.038W
At Max Efficiency Torque	50g.cm	92g.cm
At Max Efficiency Current	55mA	92mA
At Max Efficiency Speed	20rpm	40rpm
At Max Power Output	0.012W	0.043W
At Max Power Torque	75g.cm	140g.cm
At Max Power Current	65mA	115mA
At Max Power Speed	15rpm	30rpm
Stall Torque	≥150g.cm	≥260g.cm
Stall Current	0.1A max	0.2A max

SMALL DC GEAR MOTOR OUTLINE DRAWING



The outline drawing is the source product drawing. Unit values are shown on the drawing.