

TT DC gearbox motor 200RPM 3-6V

Adafruit · MPN 3777 · category: motor

Canonical record: <https://partsgraph.ai/catalog/parts/adafruit-tt-motor>

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ELECTRICAL

Continuous no-load current: **150 mA** · vendor page
Stall current @6V (measured): **1.5 Amps** · vendor page
Measured stall current @3V: **1.1 Amps** · vendor page
Measured no-load current @4.5V: **155 mA** · vendor page
Measured stall current @4.5V: **1.2 Amps** · vendor page
Measured no-load current @6V: **160 mA** · vendor page
No-load current tolerance: **+/- 10%** · vendor page
Wire gauge: **28 AWG** · vendor page

PERFORMANCE

Stall torque @6V: **0.8 kg.cm** · vendor page
Rated speed @6V: **200 RPM** · vendor page
Measured no-load speed @3V: **120 RPM** · vendor page
Measured no-load speed @4.5V: **185 RPM** · vendor page
Measured no-load speed @6V: **250 RPM** · vendor page
Stall torque @3V: **0.4 kg.cm** · vendor page
Min. operating speed @3V (RPM): **90** · vendor page

INTERFACE

Wire termination: **0.1" male connectors** · vendor page
Built-in encoder: **No** · vendor page
Motor driver required: **Yes** · vendor page

MECHANICAL

Body dimensions: **70 x 22 x 18mm** · vendor page
Weight: **30.6 g** · vendor page
Wire length: **200 mm** · vendor page
Sold individually: **Yes** · vendor page

GENERAL

Operating voltage: **3-6 V** · vendor page
Gear ratio: **1:48** · vendor page

INDICATIVE PRICES

Adafruit: \$2.95 USD · as of 2026-08-22 · <https://www.adafruit.com/product/3777>
The Pi Hut: £2.60 GBP · as of 2026-08-22 · <https://thepihut.com/products/dc-gearbox-motor-tt-motor-200rpm-3-to-6vdc>

Prices are indicative and dated, captured only from vendors' machine-stated markup. Availability is never claimed.

SOURCES — THE AUTHORITATIVE DOCUMENTS

TT motor product page: <https://www.adafruit.com/product/3777>
Adafruit product page: <https://www.adafruit.com/product/3777>
The Pi Hut product page: <https://thepihut.com/products/dc-gearbox-motor-tt-motor-200rpm-3-to-6vdc>

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