

50:1 Micro Metal Gearmotor HP 6V



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This gearmotor is a miniature **high-power, 6 V** brushed DC motor with a **51.45:1** metal gearbox. It has a cross section of 10 × 12 mm, and the D-shaped gearbox output shaft is 9 mm long and 3 mm in diameter.

Key specs at 6 V: 625 RPM and 120 mA with no load, 15 oz-in (1.1 kg-cm) and 1.6 A at stall.

Select options:

51.45 :1

▼

1.6A stall @ 6V (HP 6V)

▼

extended motor shaft? N

▼

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Description Specs (10) Pictures (20) Resources (12) FAQs (1) On the blog (1)

Dimensions

Size:	10 × 12 × 26 mm ¹
Weight:	9.5 g
Shaft diameter:	3 mm ²

General specifications

Gear ratio:	51.45:1
Free-run speed @ 6V:	630 rpm
Free-run current @ 6V:	120 mA
Stall current @ 6V:	1600 mA
Stall torque @ 6V:	15 oz·in
Extended motor shaft?:	N

Motor type:

1.6A stall @ 6V (HP 6V)

Notes:

- 1 Output shaft adds 9 mm to the 26 mm length.
- 2 D shaft.