

M3D MaxFan Project

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Name of Project: M3D MaxFan

Purpose behind project: The idea is to have a long lasting, ergonomic handheld fan to use. You can use the switch to either use it handheld and not have to hold a button down, or you can place it into a dock or set it on your desk and have it be a small desk fan.

Size of project: *SIZE IS TENTATIVE*

Main Body: L: 1.20", W: 2.00"-2.50", H: 5.50" (MM: L: ~30mm, W: ~50mm-60mm, H: ~140mm)

Fan Blade: L: 3.00", W: 1.00"-1.25", H: 3.00" (MM: L: ~75mm, W: ~25mm-30mm, H: ~75mm)

Assembled: L: 3.00", W: 3.25", H: 6.75" (MM: L: ~75mm, W: ~82mm, H: ~172mm)

List of Parts:

- 1x Fan Body (Front)
- 1x Fan Body (Rear)
- 1x Fan Body (Battery Door)
- 1x Fan Blade (1x Center + 3x Blade)
- 1x Power Switch
- 1x Fan Motor
- 5x M3 10mm Screws (3x for body assembly, 2x for battery door)
- 5x M3 Threaded Inserts
- 2x AAA Batteries
- 1x AAA Battery Compartment (Needs to fit 2x AAA's)
- 1x 4"-12" 22 Gauge Wire

Possible Future Parts Necessary:

- Resistors
- Docking Station

Drawing:

