



75cm Wind-Power-Plant as desk fan

B Buzz

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Summary

75cm high wind-mill model with motor works great as indoor fan with an gear motor I used a maxon 24V gearmotor with...

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Tags: [fan](#) [h0scale](#) [ventilator](#) [windrad](#)

75cm high wind-mill model with motor

works great as indoor fan with an gear motor

I used a maxon 24V gearmotor with Dia22mm and 4mm shaft

In my version all printed in PLA without support

fits within a 19cm x 19cm print bed (diagonally)

(I mounted the blades with the straight side to the back, to use it a desk fan)

Gearmotor is just pressed in, Rotor also just pressed on shaft by hand

I included the Solidworks and Step-Files, if you want to change something.

Works probably also as scenery for H0 scale, I added a small door in the tower. Pole height on H0 would be ~44m

Have fun,

Sebastian

Print Settings

Printer Brand:

Anycubic

Printer:

All-metal Mega

Rafts:

No

Supports:

No

Resolution:

0.2

Infill:

25%

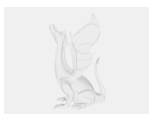
Filament: BasicFil PLA white

Category: Buildings & Structures

Model files



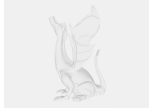
enclosure.stl



hubcap.step



pole_top.sldprt



rotor.step



pole_bottom.sldprt



hubcap_nose.step



wingblade.step



rotor.stl



rotor.sldprt



hubcap_nose.sldprt



enclosure_cap.sldprt



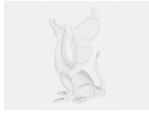
hubcap_pin.sldprt



pole_bottom.stl



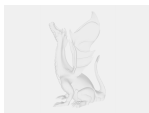
enclosure.step



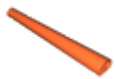
maxon_gearmotor.step



pole_bottom.step



maxon_gearmotor.sldprt



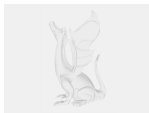
pole_top.stl



hubcap.sldprt



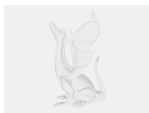
wingblade.sldprt



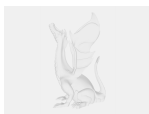
enclosure_cap.step



hubcap_nose.stl



enclosure.sldprt



hub.step



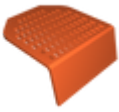
wingblade.stl



windmillcomplete.step



hub.stl



enclosure_cap.stl



hub.sldprt



pole_top.step



hubcap.stl

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com)

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