Hexapot - Simple hexagonal parametric plant pot (stackable, fully customizable)

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VIEW IN BROWSER

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Summary

Simple hexagonal plant pot comprised of two parts - the pot body (with drainage holes) and the base for drained water.

Household > Outdoor & Garden

Tags: hexagon stackable parametric pot plantpot

I recently searched for a simple design of a hexagonal plant pot. I couldn't find one I'll be happy with so I made my own.

The model is simple and fully parametric. I used Fusion360 user parameters - feel free to customize them for your own purposes.

The main parameters are pot diagonal and its height - I uploaded .3mf files for 3 versions -smallest 150x75 mm, middle one 200x75 mm and the big one 240x100 mm. The small and big one are in the pictures, I didn't print the middle one.

The pot is stackable (it has chamfers for stacking which are named in the model and can be turned off easily), it has 12 drainage holes (parametric size and number), walls are by default 3 mm thick (parametric). The pot

has a base for drained water (it's height parametric as well), the base has a central cylinder for helping to support the main pot weight (easy to turn off in the model).

The printed models in pictures are PLA printed on Prusa Mk3. Most of the layers are 0.4 mm thick but the bottom and top chamfers are printed with 0.15 mm to make them better fit each other.

When printing I recommend setting the extrusion rate for 110% for the base (to make sure it's not water permeable).

Model files

3mf models 3 files

hexapot-150x75.3mf

hexapot-240x100.3mf

hexapot-200x75.3mf

CAD model 2 files

hexapot-200x75.f3d

hexapot-200x75.step

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