

I'm not sure of the exact context (I've never read the full manga). But looking over the chapter, the sky is pretty clear early on in the fight.

<https://s2.mangabeast01.com/manga/To-Aru-Kagaku-No-Choudenjihou/0095-002.png>

<https://s2.mangabeast01.com/manga/To-Aru-Kagaku-No-Choudenjihou/0095-003.png>

And it appears Misaka was getting ready to make the storm in the prior page?

<https://s2.mangabeast01.com/manga/To-Aru-Kagaku-No-Choudenjihou/0095-014.png>

There could be context I'm missing, but for now I'm going to give it the benefit of the doubt.

The storm looms over the city, and we make out several buildings in the background. Let's measure the width of one of said buildings first.

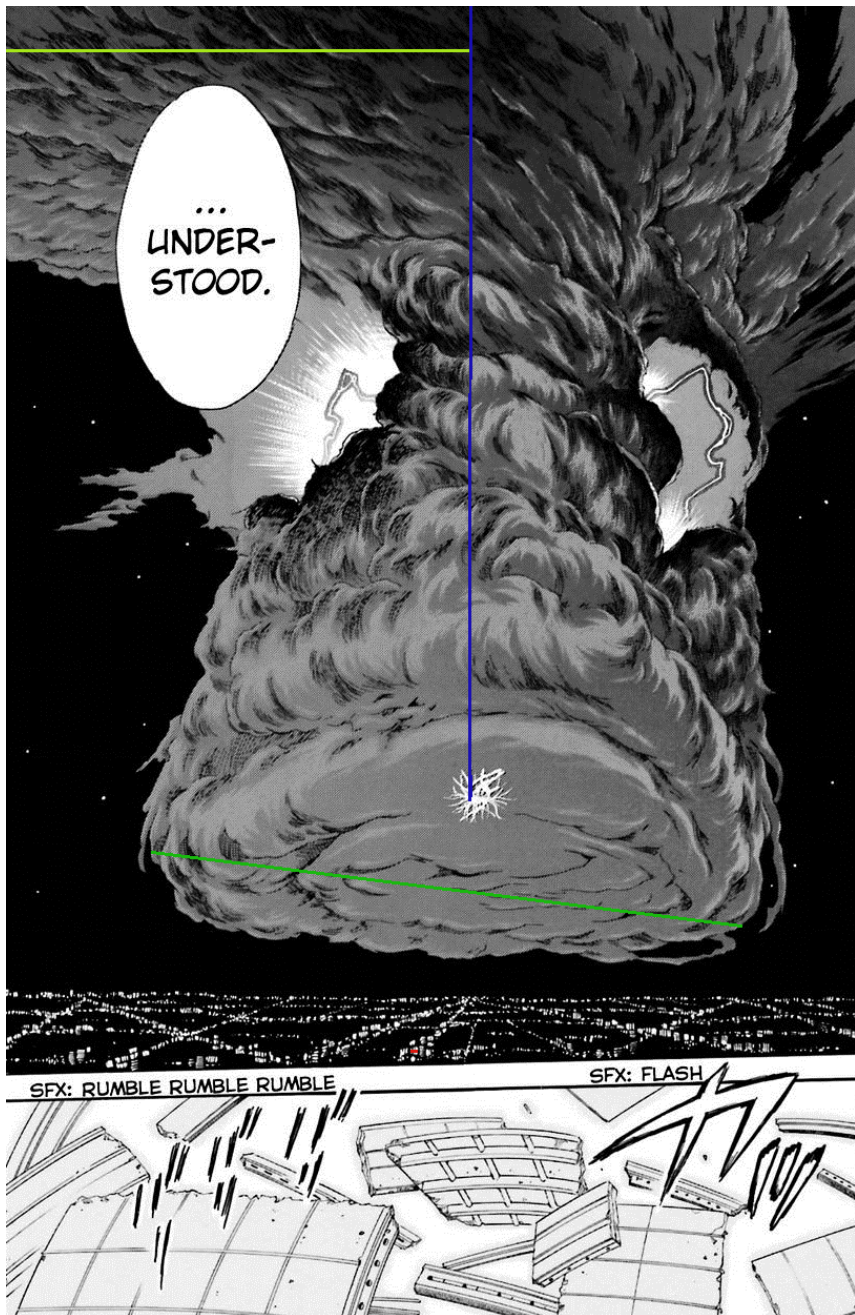
A quick Google search says a building story is typically about 14 feet tall.



Story Height (Pink) 4.26 meters = 14px

1px = 0.3042857142857143

Building Width (Red): 144px/43.82 M



Building Width (Red): 7px/43.82 M

1px = 6.26 M

Storm Diameter (Green): 568px/3555.68 M

Storm Height (Blue): 757px/4738.82 M

Get the volume of a Cylinder

<https://www.omnicalculator.com/math/cylinder-volume>

Storm Volume: 47054962530 M³

Cloud Density: 1.003 kg/m³

$47054962530 * 1.003 = 47196127417.59$

Storm Mass: 47196127417.59 kg

It couldn't have taken anymore than 5 or so seconds for the storm to have formed...

Distance the storm clouds cover (Yellow): 444px/2779.44 m

$2779.44 / 5 \text{ seconds} = 555.88 \text{ m/s}$

Solving for Kinetic Energy gives us...

7291862436872867 joules or **1.742 Megatons of TNT**

Worth noting the calc is a low-end. It only gets the mass of the 'cylindrical' portion of the storm, and a large portion of the clouds above it extend off-panel. They could (and likely do) reach much further.