

Notable feats from this 97 page piece of beautiful work are all here. I've poured my heart out into calculating the verse for an entire day so I don't mind doing recalcs if necessary.

Denji throws Dirt:

Average Japanese male head size 16px/0.213m

Length 513px/6.841m

Width 297px/3.96m

Next shot

Length 424px/6.841m

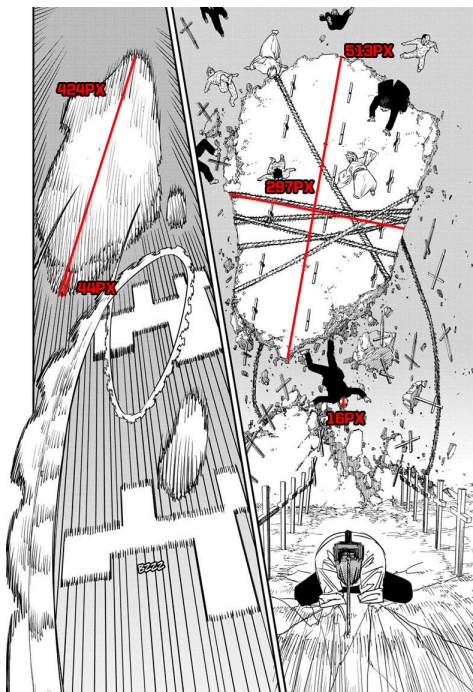
Thickness 44px/0.7m

$6.841 \times 3.96 \times 0.7 = 18.96\text{m}^3$

Density of Dry Soil(2000kg/m³):

Mass:37,926.5kg

(Class 25)



Denji gets the Dark Hammer:

Denji is 16yrs old. The average height for Japanese males at that age is 1.701m using that for average head size is 0.2126m. Denji gets smacked down til he reaches the first floor admittedly the building always chances in stories from 8 to 11 to exceeding 14 so we'll use that as the low-high end

Denji's head 66px/0.2126m

Makima's head 68px/0.219m

Next shot

Makima's head 60px/0.219m

Hole Height 27px/0.0985m

Hole Width 414px/1.5111m

Cylinder Volume: $1.77 \times 10^5 \text{cm}^3$

Violent Frag of Concrete (17-20j/cc):

$1.77 \times 10^5 \times 17 = 3 \text{MJ}$

$1.77 \times 10^5 \times 20 = 3.54 \text{MJ}$

Low End:

24-28.32MJ

Mid End:

33-38.94MJ

High End:

42.126-49.56MJ

(Small Building Level)

This had Steel in it so we apply Steel reinforced Concrete (119.85j/cc):

https://vsbattles.fandom.com/wiki/User_blog:AguilaR101/Destruction_of_reinforced_concrete

$1.77 \times 10^5 \times 119.85 = 21.2 \text{MJ}$

Low End:

169MJ

Mid End:

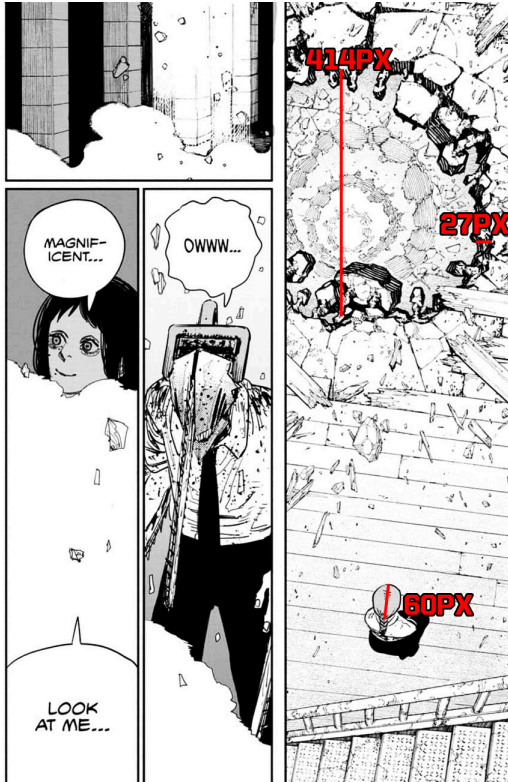
233MJ

High End:

296MJ

(Small Building Level)





Typhoon Devil pulls a Kool Aid Man:

Average story height is 3.5m/204px

Window width is 46px/0.789m

Next shot window width is 0.789m/35px

Building corner is 15px/0.338m

Building height is 372px/8.385m

It's length is hard to get via pixel scaling because it's slanted but via windows(8 Windows) and corner size(2 corners) so about 6.988m. The width is hard to determine since the backside has the slanted problem so this will be a bit of a lowball. Counting the windows(13 in the shot) and 2 corners the thickness would be 10.933m.

Rectangular Tank Volume:6.406e8cm³

VF of Concrete/Cement(17-20j/cc):

$6.406e8 \times 17 = 1.089e10$ joules or 2.6 Tons of TNT applying 80% Hollowness makes it

0.52 Tons of TNT **(Building Level)**

$6.406e8 \times 20 = 1.2812e10$ joules or 3.06 Tons of TNT applying 80% Hollowness makes it

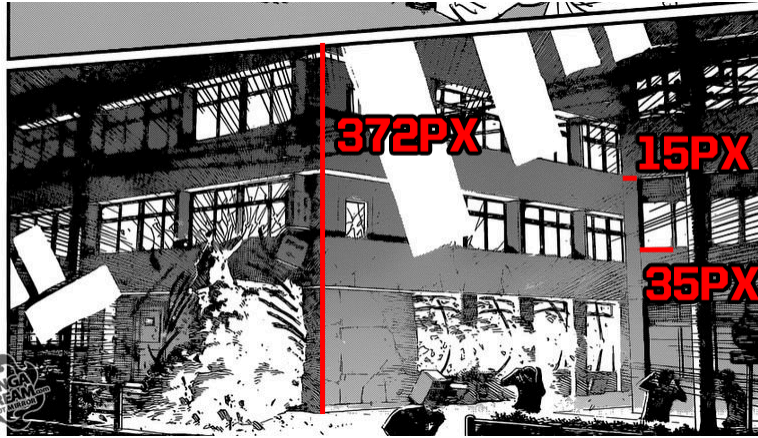
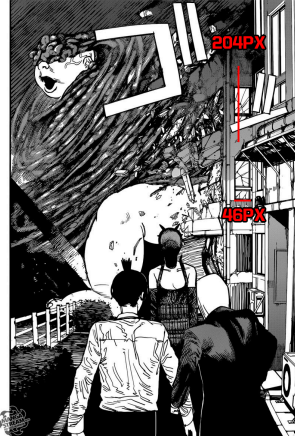
0.61 Tons of TNT **(Building Level)**

VF of Steel Reinforced Concrete(119.85j/cc):

$6.406e8 \times 119.85 = 7.677591e10$ joules or 18.3 Tons of TNT

$18.3 \times 0.2 = 3.66$ Tons of TNT

(Large Building Level)



Power Blitz:

Denji's head 171px/0.2126m

Aki's head 176px/0.2188m

Next shot

Aki's head 81px/0.2188m

Panel Height 343px

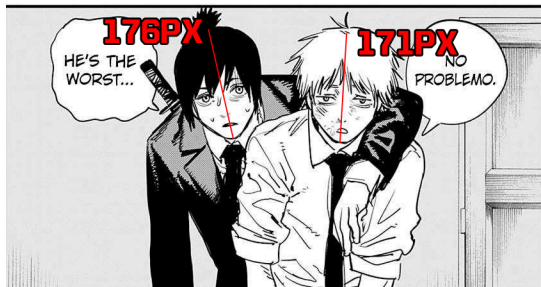
$$2 \tan(\tan(70/2)) \times (81/343) =$$

$$0.222857251 \text{ rad} = 12.7687799162 \text{ deg}$$

Distance: 0.977m

$0.977/0.013 = 75.1 \text{ m/s}$ (**Subsonic**)

$0.977/0.0045 = 217 \text{ m/s}$ (**Subsonic+**)



Kishibe snipes Denji:

Denji's head is 0.2126m/141px

Kishibe's head is 153px/0.2306m

Next Shot Kishibe's head is 0.2306m/20px

Height is 169px/1.9485m

Hallway Height 219px/2.525m

$2 \tan(\tan(70/2)) \times (107/278) =$

$0.360770447 \text{rad} = 20.67062398619 \text{deg}$

Distance = 6.9228

Since Kishibe was actually walking much farther into the dark before throwing his knife I think doubling the distance would make for a good general end so 13.8456m

Low End: $13.8456 / 0.25 = 55.38 \text{m/s}$

Mid End: $13.8456 / 0.2 = 69.22 \text{m/s}$

High End: $13.8456 / 0.15 = 92.3 \text{m/s}$ **(Subsonic)**

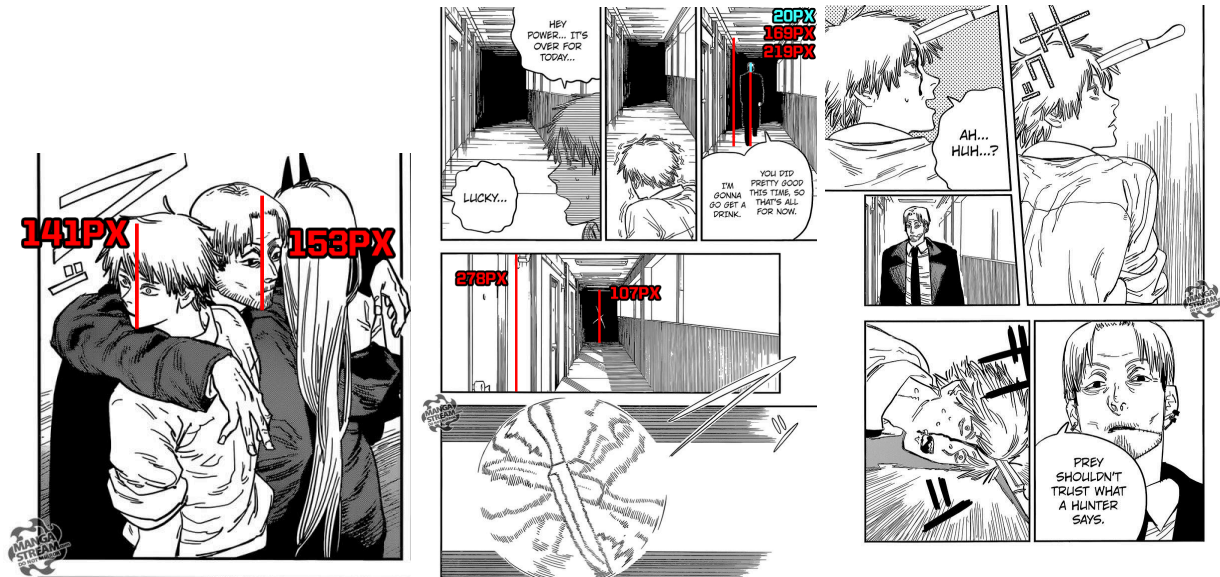
Kishibe stated he was the strongest Devil Hunter of course this was in terms of the current status quo and not counting Quanxi putting him over Aki who kept up with Katana Devil and intercepted an attack from Quanxi in her human form at the last second making this feat much faster since the Katana Devil can move at FTE speeds or you believe he did it at faster than perceive speeds.

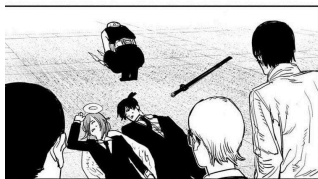
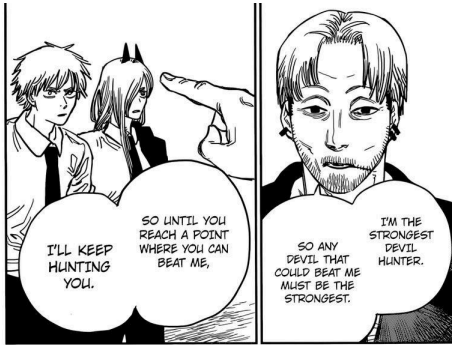
$13.8456 / 0.08 = 173.07 \text{m/s}$

(Subsonic+)

$13.8456 / 0.013 = 1,065 \text{m/s}$ or Mach 3.1 **(Supersonic)**

$13.8456 / 0.0045 = 3,076.8 \text{m/s}$ Mach 8.97 **(Hypersonic)**





Denji intercepts a Rifle:

Average Japanese Woman height 1.578m so head is 0.1972m

Head 33px/0.1972m

Panel Height 184px

$$2 \arctan(\tan(70/2) \times (33/184)) =$$

$$0.16954795 \text{ rad} = 9.714381960119 \text{ deg}$$

Distance: 1.16m

Based on previous calc for Aki's head his full height would be 1.7504m

Aki 322px/1.7504m

$$2 \arctan(\tan(70/2) \times (322/580)) =$$

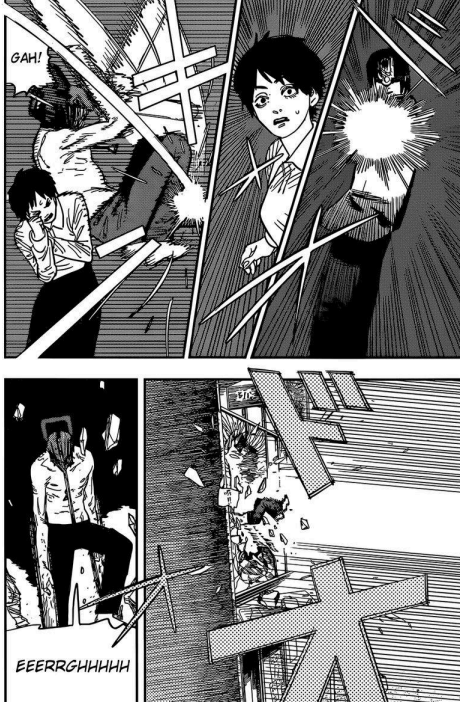
$$0.514443482 \text{ rad} = 29.47544031668 \text{ deg}$$

Distance: 3.327m

Total Distance Denji moved: 4.467m

Based on the previous shot Denji should have been about this close or more to be capable of calling out to Aki to hear him also because he had just struck him moments ago
Aki's arm resembles a Colt M4 Carbine which has a muzzle velocity of 880m/s
 $4.467 \times (880 / 1.16) = 3,388.75 \text{m/s}$ or
Mach 9.8 (Hypersonic)





Though this is a lowball since the Gun fiend should easily scale to the Hypersonic-High Hypersonic feats perhaps even the Massively Hypersonic feats

Chainsaw man blitz:

Katana man's head size is 39px and he looks about the same height as Denji so 0.2126m

$2 \arctan(\tan(70/2) \times (39/301)) = 0.122628649 \text{ rad} = 7.026104035108 \text{ deg}$

Distance=1.7315m

$1.7315/0.013 = 133.19 \text{ m/s}$ (**Subsonic**)

$1.7315/0.0045 = 384.7 \text{ m/s}$ (**Supersonic**)

Using timeframes as reference and assuming the length of Denji's leg is average for his height (0.8504m):

$0.8504/0.0075 = 113 \text{ m/s}$ (**Subsonic**)

$0.8504/0.0025 = 340 \text{ m/s}$ (**Transonic**)

The feat was really the old fashioned "Waits seconds before death" so the speed at which Denji travelled was much faster. Assuming each blank panel=1 second so 4 seconds and 34 words=18 seconds that's 22 seconds.

$0.8504/(0.0075/22) = 2,494.5 \text{ m/s}$ or Mach 7.2 (**Hypersonic**)

$0.8504/(0.0025/22) = 7,483.52 \text{ m/s}$ or Mach 21.8 (**Hypersonic+**)



Quanxi's Supersonic Speed:

Kishibe's head is 69px/0.2306m

Quanxi's head is 61px/0.2039m

First Section-

Quanxi's head is 32px/0.2039m
Height is 264px/1.682m
Panel Height is 584px
 $2 \tan(\tan(70/2)) \times (264/584) =$
 $0.422004052 \text{rad} = 24.1790511170 \text{deg}$
Distance=3.9264m

Second Section-

Average Japanese male height in modern times is 1.707m making head 0.213375m
Head 62px/0.213375m
Distance=227px/0.7812m
Head 79px/0.213375m
Distance=0.686m
Head 93px/0.213375m
Panel Height 262px
 $2 \tan(\tan(70/2)) \times (93/262) = 0.33325344 \text{rad} = 19.09401562026 \text{deg}$
Distance=0.634m

Third Section-

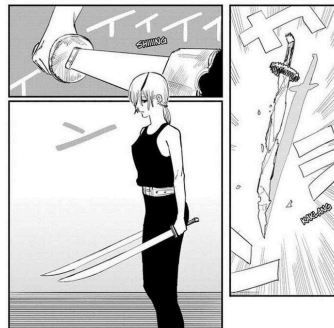
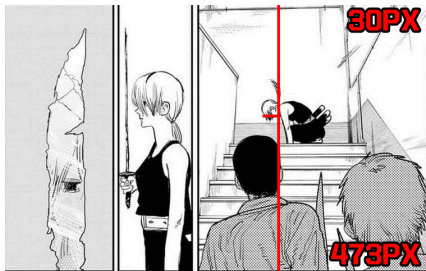
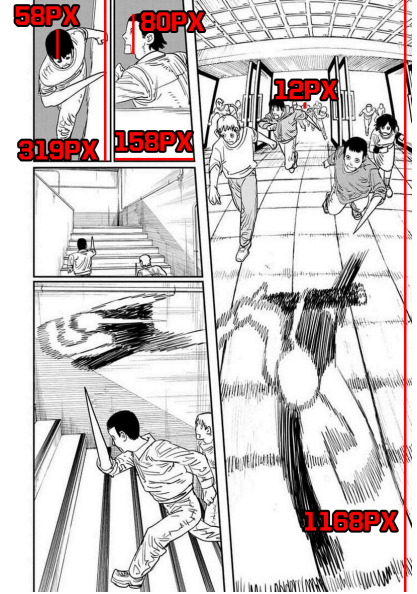
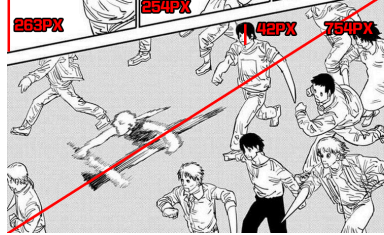
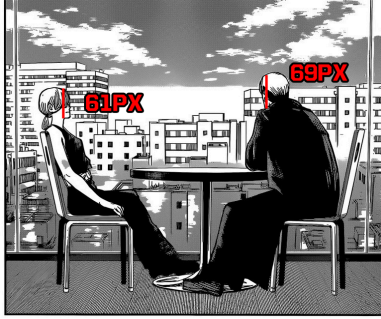
Head 12px/0.213375m
Panel Height 1168px
 $2 \tan(\tan(70/2)) \times (12/1168) = 0.00973584201 \text{rad} = 0.5578226571 \text{deg}$
Distance=21.916m
Head 80px/0.213375m
Distance=0.421m
Head 58px/0.213375m
Distance=1.173m

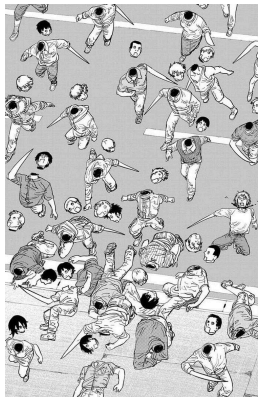
Quanxi head is 30px/0.2126m
Panel Height is 473px
 $2 \tan(\tan(70/2)) \times (30/473) = 0.0600852638 \text{rad} = 3.44263202667 \text{deg}$
Distance=3.5372m
Total Distance=32.1489m

$32.1489/0.013 = 2,472.9 \text{m/s}$ or Mach 7.2 (**Hypersonic**)

$32.1489/0.0045 = 7,144.2 \text{m/s}$ or Mach 20.8 (**Hypersonic+**)

Since it took much longer for the kills to sink in and she clearly had to have zig zagged to kill every doll starting from the second after she ran, counting the number of words said and assuming blank panels Starting from when Quanxi stands up is equal to 1 second this happened after about 50 seconds the kanji on the 9th picture are 3 meaning laughter and the other's mean "A corpse is talking" so I do believe this feat could be **High Hypersonic**.





Reze says Boom:

Average story height is 3.5m/17px

First Explosion is 157px/32.32m

Second is 133px/27.38m

Third is 176px/36.23m

Keep in mind these are Gasoline based meaning they're not nuclear:

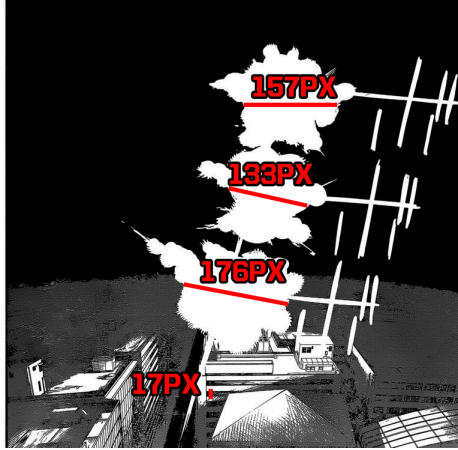
1. $(0.01616/0.28)^3/1000=0.192/2=0.096$ Tons of TNT (**Small Building Level**)

2. $(0.01369/0.28)^3/1000=0.116/2=0.058$ Tons of TNT (**Small Building Level**)

3. $(0.01811/0.28)^3/1000=0.27/2=0.135$ Tons of TNT (**Small Building Level**)

Adding these up since Reze needed to pile up enough ammunition makes it 0.289 Tons of TNT (**Building Level**)

Reze is one of the Mid Tiers in the verse meaning she surpasses the feats of Man Bat as well as the Typhoon Devil



Denji's head is 0.2126m/113px.

Reze's is 108px so it's 0.2032m making her height 1.625m

Next shot she's 84px

Panel Height is 747px

$2 \arctan(\tan(70/2) \times (84/747)) = 0.106460077 \text{ rad} = 6.09971309875 \text{ deg}$

Distance=15.25m

Using the shockwaves of an as reference for time frame (343m/s).

$15.25/0.0029 = 5,258.6 \text{ m/s}$ or Mach 15.3 (**Hypersonic+**)

If you want the high end via initial flash point of an explosion Reze states her explosions are Gasoline based this wouldn't be unreasonable to use because Reze herself is a walking explosive based demon

Low End(1600m/s):

$15.25/0.000625 = 24,400 \text{ m/s}$ or Mach 71.1 (**High Hypersonic**)

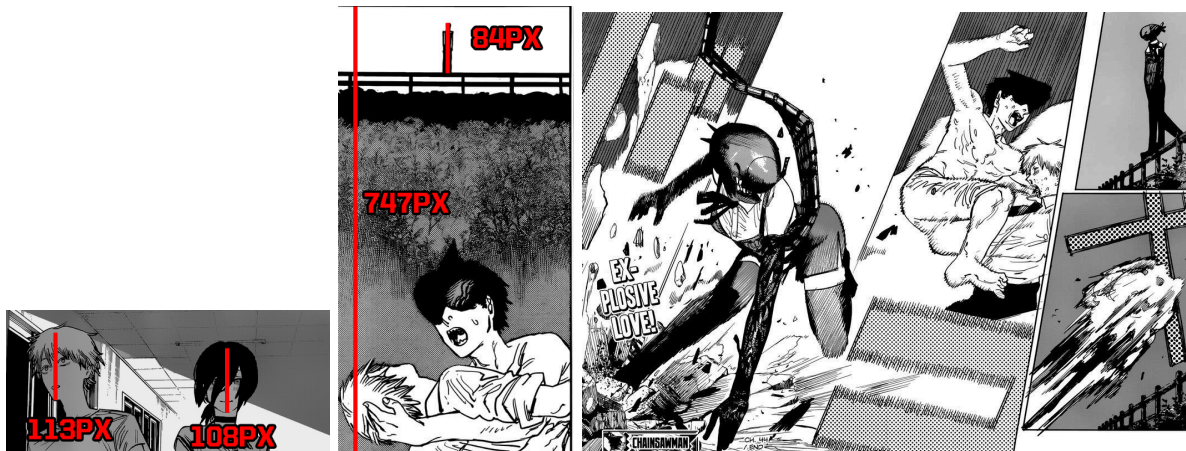
Mid End(1800m/s):

$15.25/0.0005 = 30,500 \text{ m/s}$ or Mach 88.9 (**High Hypersonic**)

High End(3000m/s):

$15.25/0.0003 = 50,833 \text{ m/s}$ or Mach 183 (**Massively Hypersonic**)

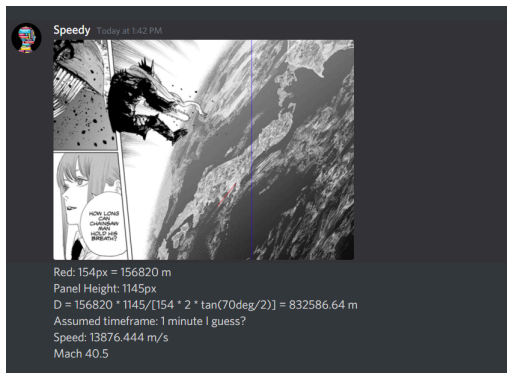
In terms of consistency the Low-Mid Ends are more accurate.





Makima's Big Bang Attack:

Ver.1:



(High Hypersonic)

Ver.2:

Only calculated CM's distance, not the distance of the shots. To find the distance of shot 4 is simple, we just need to divide the distance by 5 and then multiply by 4. This can be used considering that the distances are constant

Distance per shot: $((832587.64/5 * 4)/4) = 166517.528\text{m}$

For this, you can use a lower time frame, given how CSM doesn't drop considerably for each shot. Perhaps 5 seconds is good enough based on free fall?

Speed: 33303.5056 m/s, Mach 97.86

(High Hypersonic+)

Chainsaw Man saves Kobeni:

Makima Head(Blue Line) 70px/0.219m

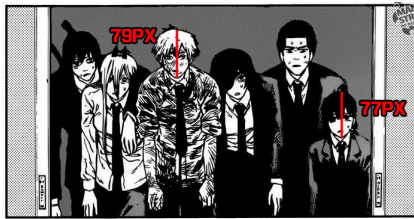
Makima(Red Line) 486px/1.52m



Next shot

Denji's Head 79px/0.2126m

Kobeni's Head 77px/0.207m



Next shot

Kobeni's Head

112px/0.207m

Hero Chainsaw Man Height

1275px/2.356m

Hero Chainsaw Man Head Size

143px/0.264m



Next shot

Makima 117px/1.52m

Beam Width 8px/0.1039m

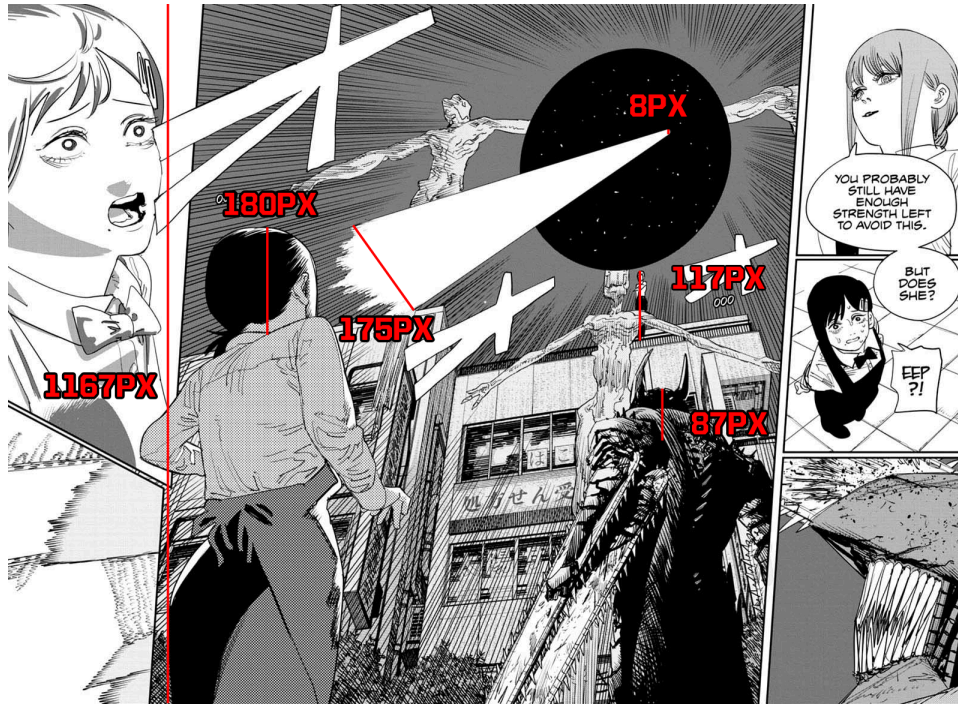
Kobeni Head 180px/0.207m

Upclose Beam Width 175px/0.1039m

Hero Chainsaw Man Head Size

87px/0.264m

Panel Height 1167px



Kobeni's Panel Distance

$$2 \tan(\tan(70/2) \times (180/1167)) =$$

$$0.145904536 \text{rad} : 8.3597141246 \text{deg}$$

$$\text{Distance} : 1.4162 \text{m}$$

Beam's Panel Distance

$$2 \tan(\tan(70/2) \times (175/1167)) =$$

$$0.141865406 \text{rad} : 8.12828902273 \text{deg}$$

$$\text{Distance} : 0.73116 \text{m}$$

Kobeni's Distance from Beam

$$1.4162 - 0.73116 = 0.68504 \text{m}$$

This is also for Denji because this was the distance that was left before it hit Kobeni

Denji's Panel Distance

$$2 \tan(\tan(70/2) \times (87/1167)) =$$

$$0.0706165367 \text{rad} : 4.04602951675 \text{deg}$$

$$\text{Distance} : 3.7369 \text{m}$$

Denji's Distance from Kobeni

$$3.7369 - 1.4162 = 2.3207 \text{m}$$

After Denji rushed to Kobeni he bent his legs +0.589m

Lifted his arms and bent them

Going off via proportionate arm length

(0.8835m)

$$2 \times 3.14 \times 0.8835 \times (90/360) = 1.387095\text{m}$$

And +0.44175m counting the Bend



Denji's Distance moved:

$$2.3207 + 0.589 + 1.387095 + 0.44175 = 4.738545\text{m}$$

Now as for the speed of the object it was powered up to peak capability meaning it should be easily faster than Makima's Bangs but using that as some sort of reference for speed

Low End(Speedy's Ver):

$$\begin{aligned} \text{Attack Speed: } & 13,876.444\text{m/s} \\ (4.738545 \times 13,876.444) / 0.68504 = & 95,985.8\text{m/s or Mach } 279.8 \end{aligned}$$

(Massively Hypersonic)

High End(Phantom's Ver):

$$\begin{aligned} \text{Attack Speed: } & 33,303.5\text{m/s} \\ (4.738545 \times 33,303.5) / 0.68504 = & 230,366.3\text{m/s or Mach } 671.6 \end{aligned}$$

(Massively Hypersonic)

Aki's Snowball Fight:

Average Car length is 88px/4.55m

Destruction is 1010px/52.22m

$26.11^3 \cdot ((27136 \cdot 1.37895 + 8649)^{(1/2)} / 13568 - 93 / 13568)^2 = 1.43$ Tons of TNT not nuclear 0.715 Tons of TNT

(Building Level)

Aki was having fun the whole time doing this.

Next shot

Average Window size 5px/0.6096m

Panel Height is 828px

$2 \tan(\tan(70/2)) \times (5/828) =$

0.005722384rad:0.327868474299deg

Distance=106.53

$(0.053265/0.28)^3 / 1000 = 6.8$ Tons of TNT not nuclear 3.4 Tons of TNT

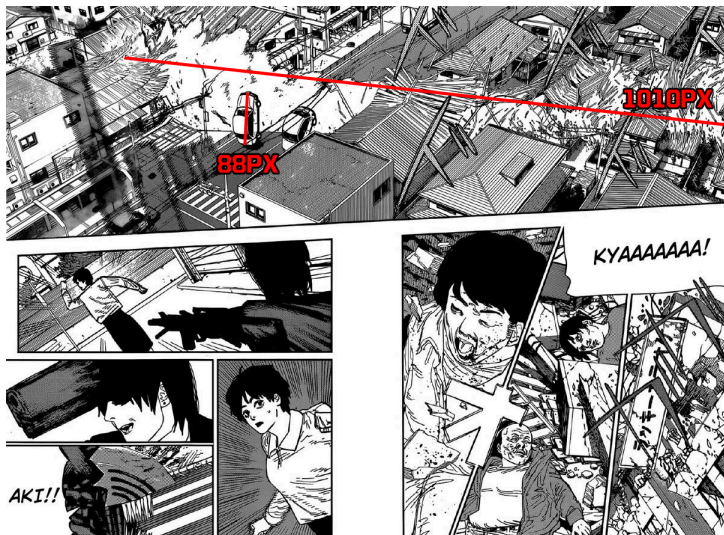
(Large Building Level)

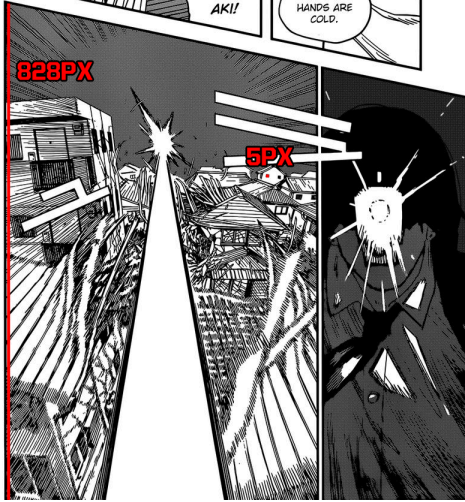
though the following pages show there was massive damage done on the ground

$53.265^3 \cdot ((27136 \cdot 1.37895 + 8649)^{(1/2)} / 13568 - 93 / 13568)^2 = 12.14$ Tons of TNT not nuclear

6.07 Tons of TNT

(Large Building Level)







Denji Divebombs his Heart:

Earth's Diameter is 2665px/12,742km

Shot of the earth is 374px/1,788km

Panel height is 399px

$2 \arctan(\tan(70/2) \times (374/399)) = 0.835918568 \text{ rad} = 47.8946059631 \text{ deg}$

Distance = $2.0131 \times 10^3 \text{ km}$

Next shot average story height is 7px/3.5m

Panel height 826px

$2 \arctan(\tan(70/2) \times (7/826)) =$

$0.00803071 \text{ rad} = 0.46012606508734 \text{ deg}$

Distance = 435.82

Subtracting since Denji didn't make the full distance $2.012 \times 10^6 \text{ m}$

Assuming the timeframe for each Panel starting from when he threw his heart is 3-5 secs making the total 27-45 secs before Denji comes to a complete stop Denji was falling for a short period of time so anything more than 30sec tbf is a lowball. Average weight of a male heart is 0.2896kg

(45secs):

44,711m/s or Mach 130.5

(Massively Hypersonic)

KE: $0.5 \times 0.2896 \times (44711^2) = 0.069 \text{ Tons of TNT (Small Building Level)}$

(27secs):

74,518m/s or Mach 217.2

(Massively Hypersonic)

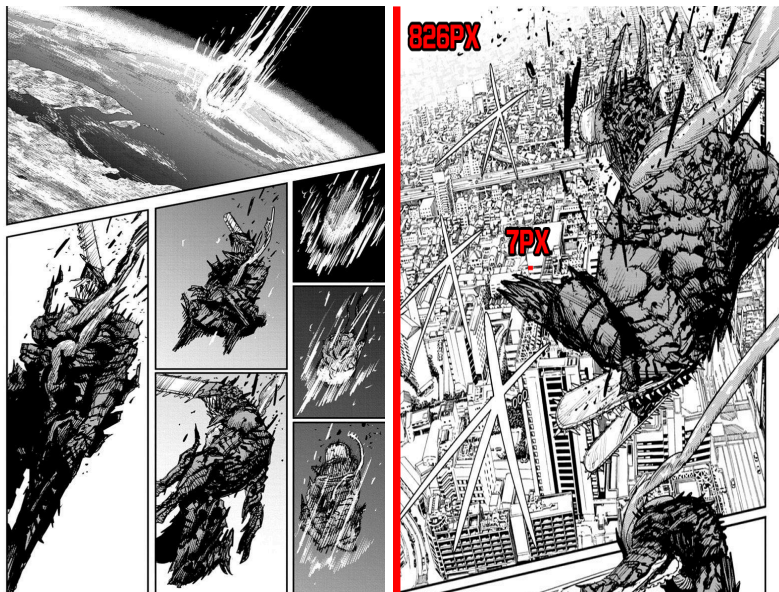
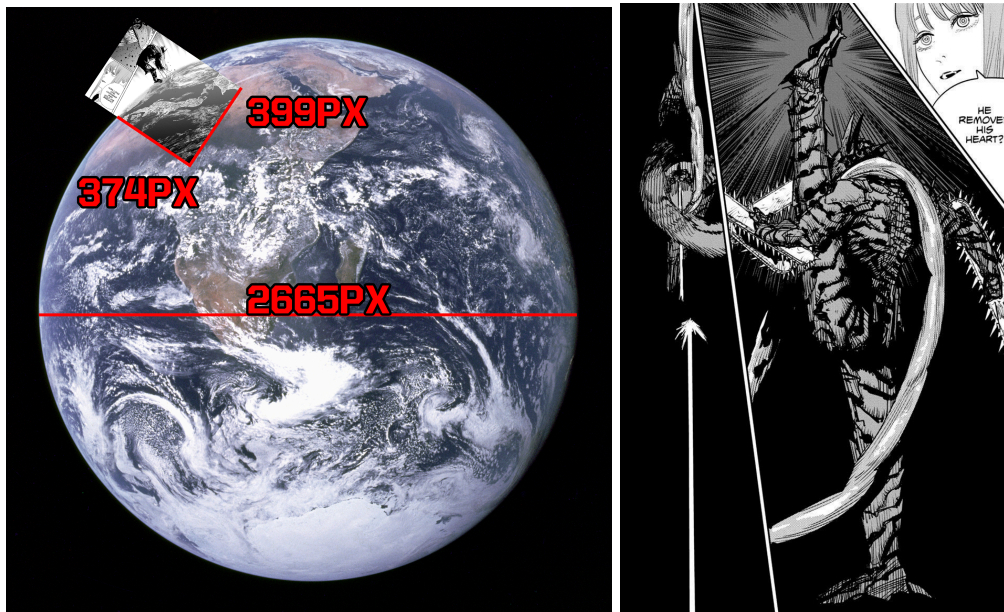
KE: $0.5 \times 0.2896 \times (74518^2) = 0.192 \text{ Tons of TNT (Small Building Level)}$

Considering Denji was changing back to his normal weight mid flight meaning the pressure increased let's say he endured half his weight which is a lowball tbf since Chainsaw man's new form looks much more bulked

(45secs):

KE: $0.5 \times 30.6 \times (44711^2) = 7.3$ Tons of TNT (Large Building Level)
(27secs):

KE: $0.5 \times 30.6 \times (74518^2) = 20.3$ Tons of TNT (City Block Level)



"BURN FOR ME BABY!":

The Flamethrower Devil vaporizes some floors/walls of a Building

I previously had Hero Mode Denji's Height at 2.356m

Denji 233px/2.356m

Floor Thickness 56px/0.566m

Floor Height 326px/3.296m

Next shot

Floor Height 147px/3.296m

Floor Width 183px/4.103m

Burned Height Section 251px/5.627m

Average Exterior Wall Thickness

12inch = 30.48cm

<https://www.foxblocks.com/blog/exterior-wall-thickness-residential>

$562.7 \times 410.3 \times 30.48 = 7,037,094.68 \text{cm}^3$

There's 2 sides burned here

$7,037,094.68 \times 2 = 14,074,189.3776 \text{cm}^3$

Taking into account the Floor yeeted between

$410.3 \times 410.3 \times 56.6 = 9,528,388.694 \text{cm}^3$

$14,074,189.3776 + 9,528,388.694 =$

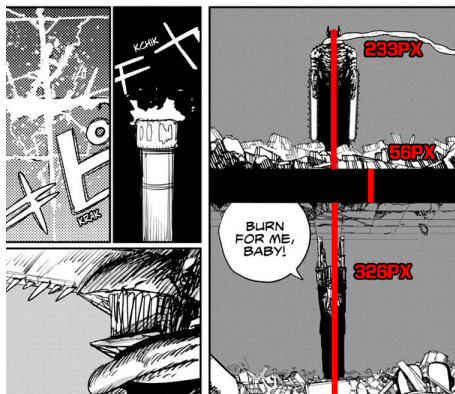
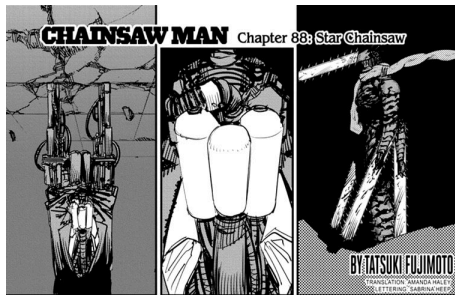
$23,602,578.0716 \text{cm}^3$

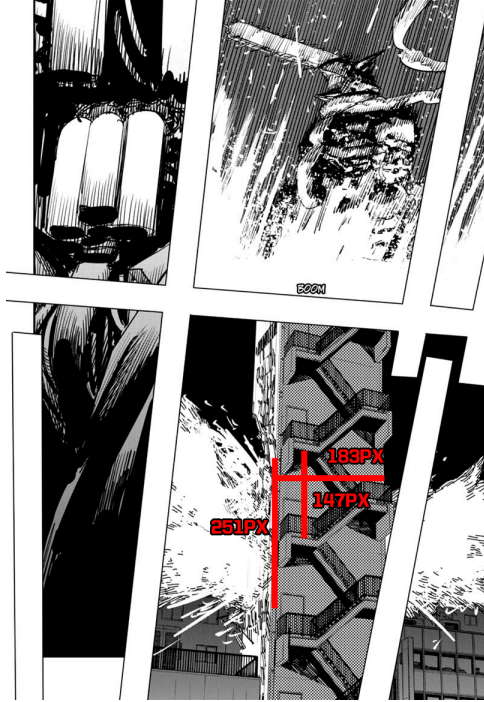
Vapor of Concrete(5,304j/cc):

$23,602,578.0716 \times 5,304 =$

125,188,074,092joules or 29.9 Tons of TNT

(City Block Level)





Bat Devil Nukes a Building:

Ok so the Volume the person got here was 2,259,607,278.63cm³

https://vsbattles.fandom.com/wiki/User_blog:DMUA/Chainsaw_Man:_A_lot_of_stuff

I apply 80% Hollowness for Buildings because that's actually the general end for Buildings (×0.2)

Since this also a Steel Reinforced Concrete Building I'll use the value given here (119.85j/cc)

https://vsbattles.fandom.com/wiki/User_blog:AguilaR101/Destruction_of_reinforced_concrete

$(2,259,607,278.63 \times 0.2) \times 119.85 =$

54,162,786,468.8joules or 12.94 Tons of TNT

(City Block Level)

Edit:Vsbattles wiki value for reinforced concrete being VF'd is 61.2j/cc

$(2,259,607,278.63 \times 0.2) \times 61.2 = 27,657,593,090.4$ joules or 6.6 Tons of TNT

(Large Building Level)

Dynamite Kick Chainsaw Edition:

Building structure looks similar to

14ft high stories so using that as reference.

<https://theskydeck.com/how-tall-is-a-storey-in-feet/#:~:text=The%20height%20of%20each%20storey,average%20of%20about%2014%20feet.>

Building Story 7px/4.2672m

Diameter 41px/24.9936m or 25m
 Width 107px/65.2272m or 65.2m
 Cylinder Volume:3.2e10cm³
 Applying 80% Hollowness cause Building
 Cylinder Volume:6.4e9cm³
 Violent Frag of Concrete(17-20j/cc):
 6.4e9×17=1.088e11joules or 26 Tons of TNT **(City Block Level)**
 6.4e9×20=1.28e11joules or 30.5 Tons of TNT **(City Block Level)**
 KE Method
 Volume:32004.98m³
 Density of Concrete(2400kg/m³):
 Mass:7.681e7kg
 0.5×7.681e7×(65.2²)=1.632e11joules
 or 39 Tons of TNT **(City Block Level)**

Taking into account VF of Steel Reinforced Concrete since these are skyscrapers

Result A:
 (61.2j/cc):
 6.4e9×61.2=
 391,680,000,000joules or 93.6 Tons of TNT
(City Block Level)

Result B:
 (119.85j/cc):
 6.4e9×119.85=7.6704e11joules or
 183.3 Tons of TNT
(Multi City Block Level)



This feat could be more depending on if we assumed Denji covered the whole distance in an instant by the way the Katana Devil survived this so normal Chainsaw Man Denji upscales from this

Panel width 800px/487.68m
 0.5×7.681e7×(487.68²)=
 9.133e+12joules or 2.183 Kilotons of TNT **(Small Town Level)**
 Applying Human Surface area to the Devils hit in the recoil

$32004.98/1.9=16844m^3$

Cylinder Volume: $1.6844e+10cm^3$

Hollowness 80%

$3.3688e9 \times 17 = 5.726e10$ joules or 13.68 Tons of TNT (**City Block Level**)

$3.688e9 \times 20 = 7.376e10$ joules or 17.62

Tons of TNT (**City Block Level**)

$3.688e9 \times 61.2 =$

225,705,600,000 joules or 53.9 Tons of TNT (**City Block Level**)

$3.688e9 \times 119.85 = 4.420068e11$ joules or

105 Tons of TNT

(Multi City Block Level)

KE: $0.5 \times 4.04256e7 \times (65^2) =$

$8.539e10$ joules or 20.4 Tons of TNT

(City Block Level)

KE: $0.5 \times 4.04256e7 \times (487.68^2) =$

$4.807e+12$ joules or 1.148 Kilotons of TNT (**Small Town Level**)

Gun Devil attempts to Snipe:

Chainsaw Man chapter 76:

<https://i.imgur.com/sSg2RZG.png>

<https://i.imgur.com/sna6w2e.png>

<https://i.imgur.com/rT0JVUw.png>

Crosses 500 km in 1 second and Mach 1,470 (**Massively Hypersonic+**)

9mm bullet = 0.262 ounces or 0.0074275kg

Gun barrel about the size of a head or like 0.2m

9mm Ratio: $22.2222^3 = \times 10974$

Gun Devil bullet mass: 81.51kg

High End KE = 10188716378600 Joules or 2.44 Kilotons of TNT

(Small Town Level)

I count about 14 simultaneous shots so that's 34,16 for the total barrage, give or take

The Typhoon Devil's Storm:

<https://en.m.wikipedia.org/wiki/Utashinai>

Smallest Japanese city in terms of population, seems like a decent end to use and it's 55.99 km²

Average cloud thickness is 320m

Using this calculator

Area: $5.599e7m^2$

Thickness in cm so 320m = 32,000cm

<https://vodoprovod.blogspot.com/2019/11/convert-m2-to-m3.html?m=1>

Volume: $17,916,800,000m^3$

LWQ in nimbostratus is at least 0.275g/m³ so mass = volume

Mass: 4,927,120,000g

Condensation energy: 2465.087 j/g
Energy: 1.2145e+13 joules or 2.9 Kilotons of TNT
(Small Town Level)

Applying the original LWQ value of 2g/m³ for a good range
17,916,800,000×2=35,833,600,000g
Energy: 8.83329e+13 joules or 21.112 Kilotons of TNT
(Town Level)

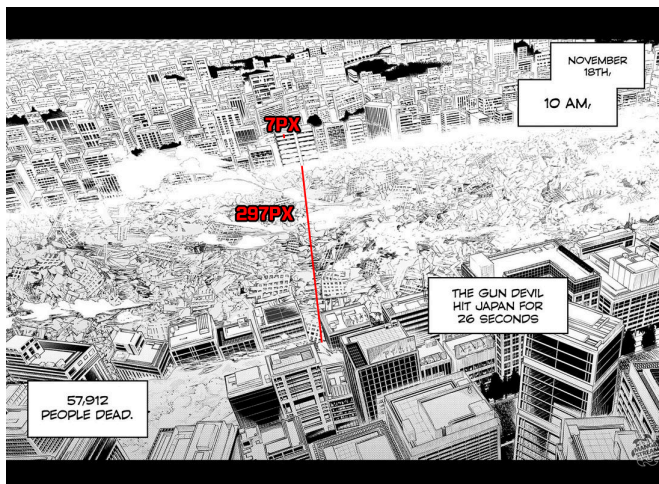
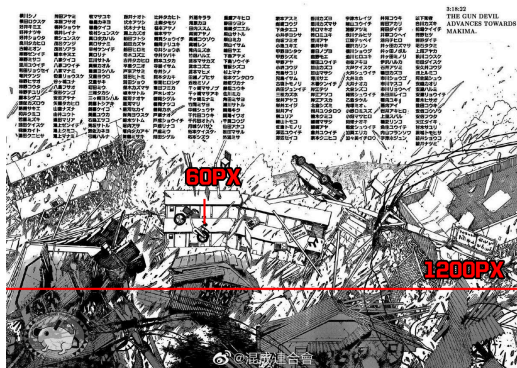
Gun Devil's Casual Shinra Tensei:

Average story height is 3.5m/60px

Panel width 1200px/70m

$(0.035/0.28)^3/1000=1.95312$ Tons of TNT halving it makes it 0.97656 Tons of TNT

(Building Level)



Judging from Building type I'll be using 4.26m for average story height

Story 7px/4.26m

Damage width 297px/181m

Japan's length 1,300km

Thickness is the same as damage width

The shape fits with the block so it most likely resembles a rectangle so using that as reference for Volume

Volume: $4.26 \times 10^{16} \text{cm}^3$

Violent Frag of Concrete (17-20j/cc):

Applying 80% Hollowness cause Buildings

$(4.26 \times 10^{16} \times 17) \times 0.2 =$

$1.448 \times 10^{17} \text{joules}$

$(4.26 \times 10^{16} \times 20) \times 0.2 =$

$1.704 \times 10^{17} \text{joules}$

Timeframe of destruction was 26 secs

$1.448 \times 10^{17} / 26 = 5.569 \times 10^{15} \text{joules or}$

1.331 Megatons of TNT

$1.704 \times 10^{17} / 26 = 6.553 \times 10^{15} \text{joules or}$

1.566 Megatons of TNT

(Small City Level)

Special thanks for Tommy for making the Gun Devil snipe calc as well as Big Speedy and Phantom for the Makima Big Bang Attack speed calcs