

# M87 BLACK HOLE

The Event Horizon Telescope (EHT) is a global array of interconnected telescopes that has revealed humanity's first image of a black hole. Shown here is the supermassive black hole at the centre of the M87 galaxy.

**LY 55000000**

Lies at the heart of the M87 galaxy in the Virgo constellation, 55 million light years from Earth



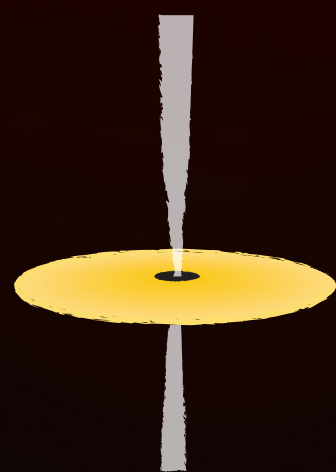
Gobbles mass equivalent to 90 Earths every day



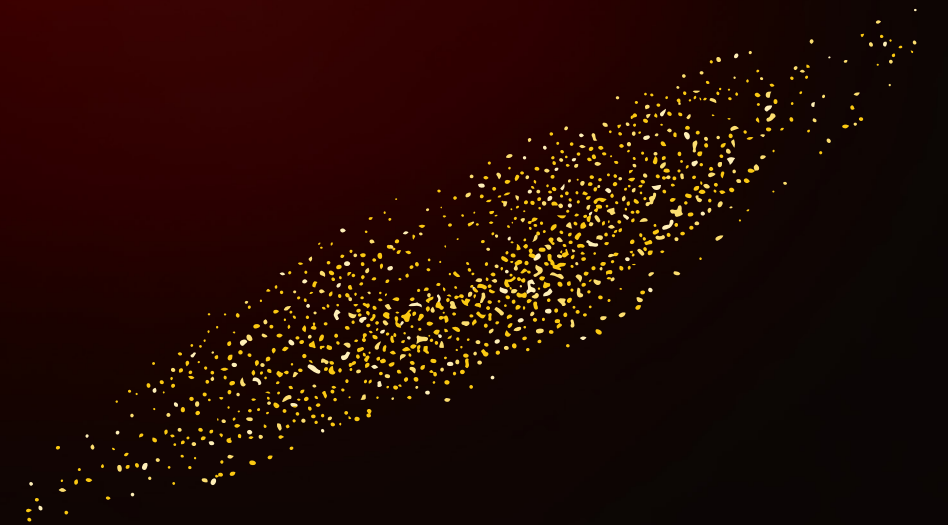
Surrounded by a luminous disk of infalling matter and gas, superheated to billions of degrees and rotating at 1,000 km/sec



Occupies a space roughly the size of our solar system



Blasts narrow jets of matter and gas many light years in length



Contains 6.5 billion times the mass of our Sun or 1,500 times the mass of the black hole at the centre of the Milky Way