Insurance Institute for Business & Home Safety®

IBHS Research Center

Top Ten Facts

1. **The concrete underneath the fan tower would be enough concrete to fill up a 2300 sq. ft. home (to the ceiling).**

2. **When the fans are turned on, it will be drawing the same amount of power as 9,000 individual homes (30 mega watts of power)**

3. **The test chamber has 21,000 sq. ft. which is the equivalent of 1/2 acre under the roof or 4 1/2 basketball courts. It is big enough to accommodate 9 - 2,300 sq ft homes.**

4. **The test chamber is as tall as a 6 story building and you could fit more than 50 homes into the volume.**

5. **There are 105 fans with 350 hp motors. Each fan is 5 1/2 feet in diameter; in combination with the engineered fan tower and contraction inlet, these fans are capable of generating realistic, sustained and gusty winds the equivalent of a Category 3 hurricane gust structure.**

6. **Each fan is capable of pushing 230,000 cubic feet of air per minute through the test section and together they can push 24 million cubic feet per minute through the test chamber.**

7. **The air flow volume is 20 times the flow going over Niagara Falls, or the same amount of air that would flow through the air conditioning systems of 10,000 homes when they are all running.**

8. **The surface of the turntable is 2,375 sq ft - the size of a medium sized home.**

9. **The water tank has 750,000 gallons (about 600,000 gallons for fire suppression and about 150,000 gallons for rain capability). This is greater than an Olympic size swimming pool.**

10. **The rain capacity (when installed) will be equal to 8 inches per hour.**

IBHS is a non-profit applied research and communications organization dedicated to reducing property losses due to natural and man-made disasters by building stronger, more resilient communities.

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