



## AMCA International News Release

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The International Authority on Air System Components

### **FOR IMMEDIATE RELEASE**

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## **AMCA INTERNATIONAL LAUNCHES THE AMCA FAN ENERGY WASTE CALCULATOR**

ARLINGTON HEIGHTS, Ill., May 9, 2016 – The Air Movement and Control Association (AMCA) International Inc. announced the launch of the all new AMCA Fan Energy Waste Calculator hosted on the AMCA website.

AMCA developed the web tool to help participants in the AMCA Certified Ratings Program communicate the program's benefits to members and the industry at large. The calculator estimates the wasted electricity resulting from a fan operating with higher energy consumption than expected, based on its manufacturer's rating data.

The calculator's output includes:

- annual wasted energy (in kilowatt hours)
- annual wasted energy budget (in any of the calculator's 34 pre-programmed countries' currencies, based on the country's average commercial electricity rate)
- annual unnecessary greenhouse emissions (in tons of carbon dioxide equivalent)

"AMCA's new fan energy waste calculator helps users better understand the costs of inefficiency," said Nazme Mohsina, developer of the AMCA Fan Waste Calculator. "With a few simple clicks, it is easy to make a data-driven argument for the use of cost-effective, energy efficient, AMCA-certified fans."

AMCA members can use the calculator to as an example of why they invest in having their products certified by AMCA. It can also be used by engineers, contractors and facility engineers to consider specifying that applicable products be certified by AMCA and ensuring that specified AMCA-certified products are installed. The AMCA Certified Ratings Program independently verifies that manufacturers' fan performance data are correctly calculated and presented based on ratings test results.

The Fan Energy Waste Calculator can be accessed at <http://amca.org/certified-listed/fanenergywastecalculator.php>. An accompanying white paper describing how and why the calculator was developed, documents underlying assumptions, sources of data, and examples of the calculator's insights can be found in the AMCA White Paper Library at <http://amca.org/resources/whitepapers.php>.

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## About AMCA International

The Air Movement and Control Association (AMCA) International Inc. is a not-for-profit trade association with more than 360 member companies worldwide representing more than \$3 billion in annual revenue. AMCA's mission is to advance the health, growth and integrity of the air movement and control industry, with programs like certified ratings, verification of compliance and international standard development. AMCA also advocates for model codes, regulations and utility incentive programs that promote efficiency and life safety. **For more information about AMCA, visit [www.amca.org](http://www.amca.org).**



**Problem:** Under-performing fans - fans that are not performing as rated - waste energy whenever they are operated, resulting in higher energy usage, carbon emissions, and energy bills. You can estimate these penalties using the Fan Energy Waste Calculator below. To run the calculator, select a country and slide the indicators for fan diameter, rating error, and annual operating hours.

**Solution:** One way to reduce energy waste is to specify AMCA-certified fans where possible. The AMCA Certified Ratings Program independently verifies that manufacturers' fan performance data are correctly calculated and presented based on ratings test results. Download the free AMCA white papers for detailed information about the AMCA Certified Ratings Program, how to correctly specify AMCA-certified fans, and how to ensure AMCA-certified fans are purchased when specified.

United States Country Electricity cost per kwh: 0.1 USD

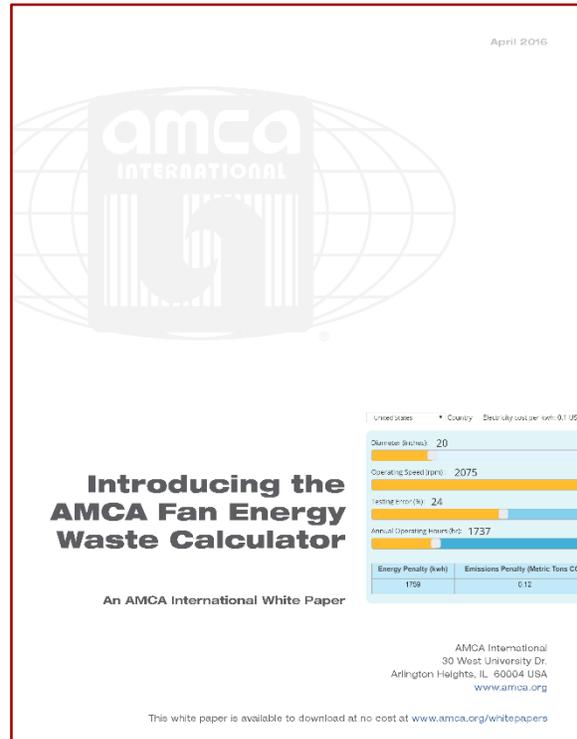
Diameter (inches): 15

Operating Speed (rpm): 1910

Testing Error (%): 20

Annual Operating Hours (hr): 2920

Energy Penalty (kwh)	Emissions Penalty (Metric Tons CO <sub>2</sub> )	Economic Penalty (USD)
0	0.00	0



The AMCA Fan Energy Waste Calculator (left), and the Introducing the AMCA Fan Energy Waste Calculator (right) images can be found in [AMCA's public press folder](#)