

Better Rooftop Cooling Units

The Western Cooling Challenge helps western states reduce greenhouse gases with high-efficiency rooftop cooling units.

THE WESTERN COOLING Efficiency Center at UC Davis runs the Western Cooling Challenge, an initiative to help western states meet their greenhouse gas reduction targets through improved rooftop cooling units for dry climates.

The Challenge supports a policy directive from the California Public Utilities Commission, and it offers a major opportunity for the HVAC industry to begin to transition to a climate-sensitive future.

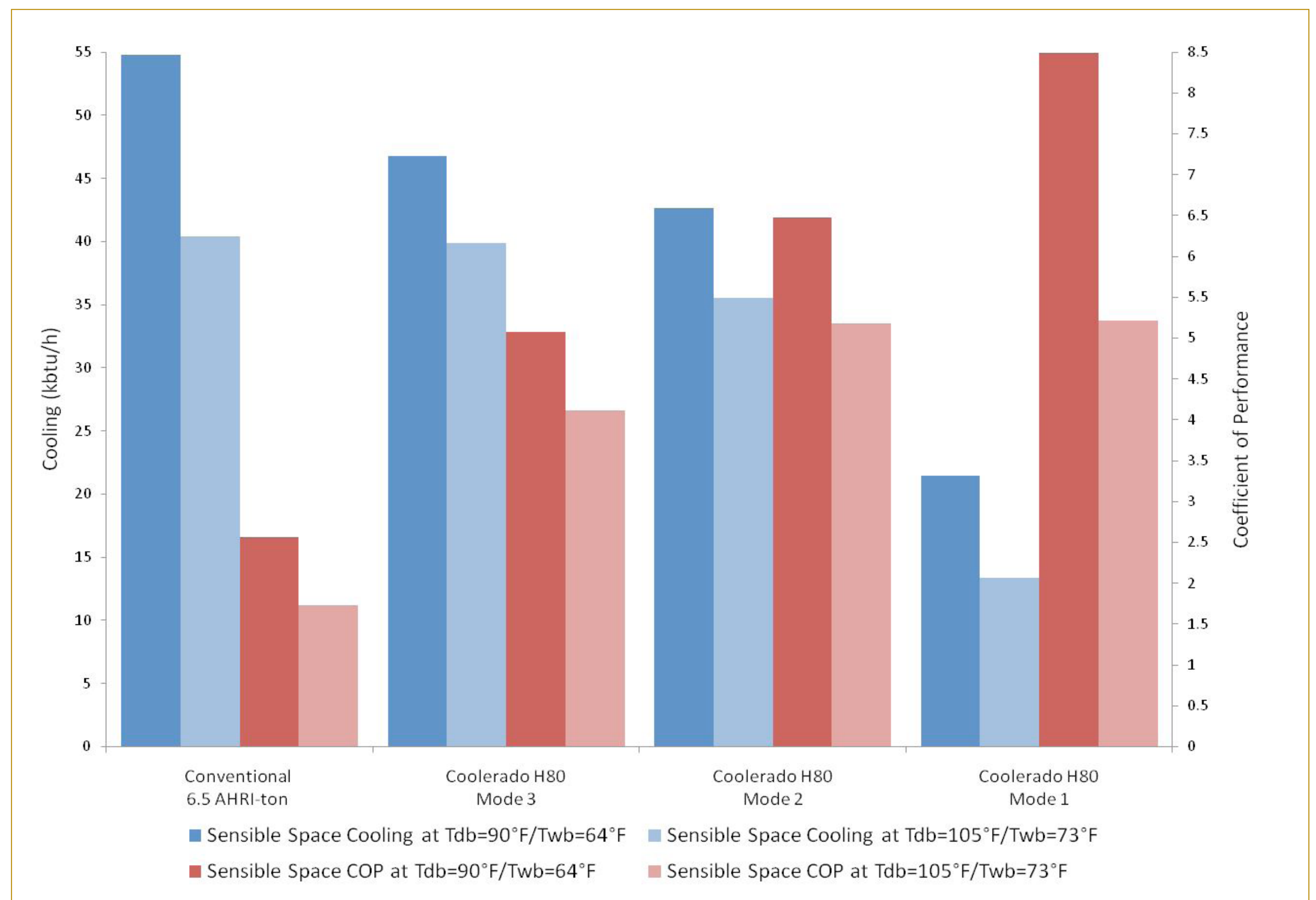
In the Western Cooling Challenge, HVAC manufacturers are challenged to develop and market a rooftop unit that meets ambitious performance targets, which are 40% higher than current standards.

The Challenge brings together an alliance of large retailers poised to purchase technologies that meet Challenge specifications.

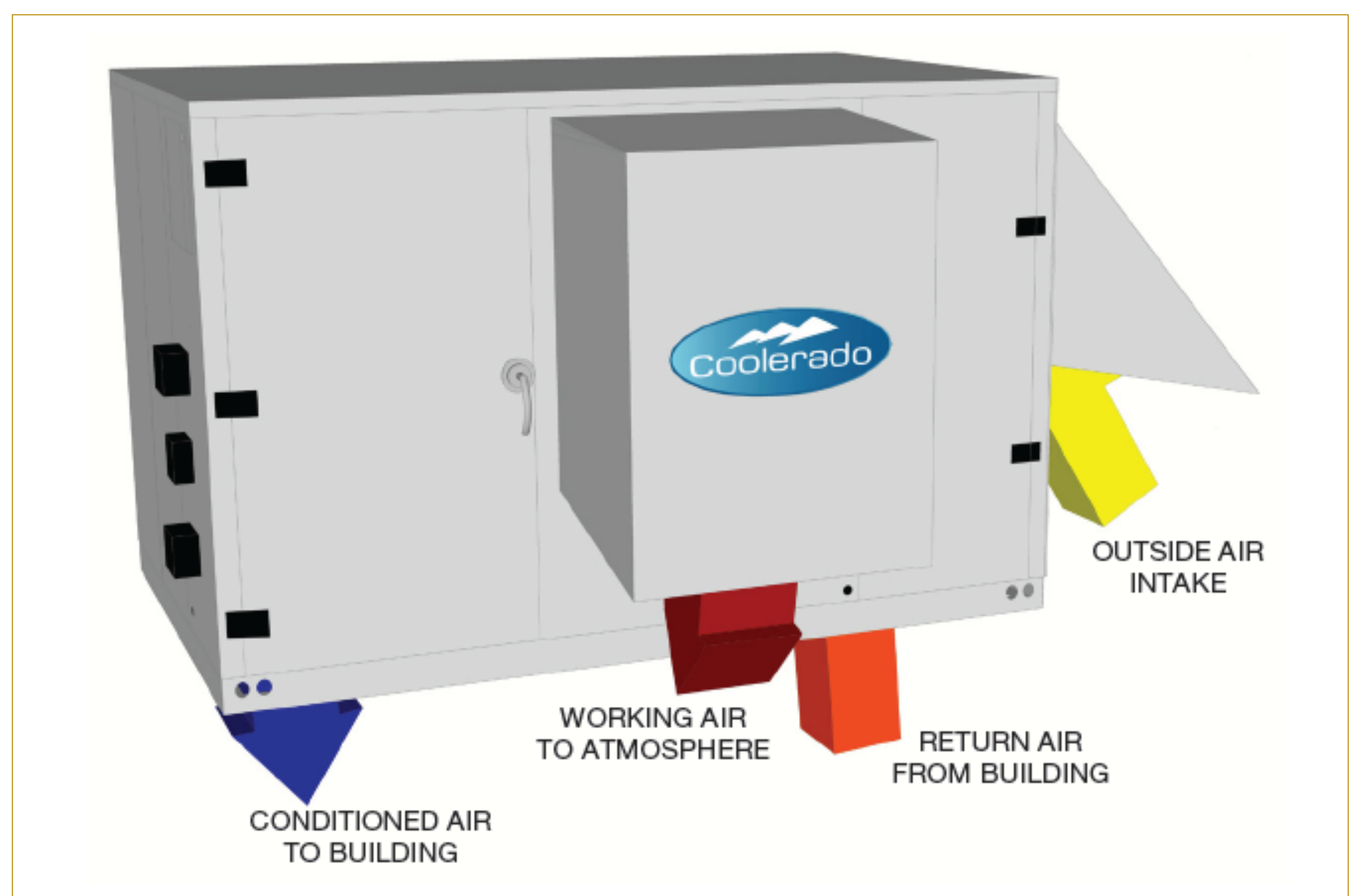
The Challenge also champions appropriate utility subsidies. The resulting new products are expected to have substantial market impact beginning in 2011.

The market share of Western Cooling Challenge-qualified units can grow from zero in 2009 to a substantial share by 2020 if utility incentives are implemented.

The Coolerado is the first roof top unit to meet the criteria of the Western Cooling Challenge. The system uses a novel and highly efficient heat exchanger to maximize air cooling efficiency. ▶



▲ The Coolerado can operate in different cooling modes to optimize performance depending on outside conditions and cooling demand.



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