

OVERVIEW

Coolerado Corporation designs, manufactures, and markets highly energy-efficient air conditioners for commercial use. Our award winning and newest indirect cooling technology – the Maisotsenko Cycle – uses up to 90% less energy than the most efficient conventional systems. Our products have been verified by third parties, including the U.S. Department of Energy. We have over 2,500 installations in 26 countries.

SAVINGS AND PAY BACK

Location:	DENVER, CO		PHOENIX, AZ		PALM SPRINGS, CA		WASHINGTON DC	
Equipment:	CRAC	Coolerado	CRAC	Coolerado	CRAC	Coolerado	CRAC	Coolerado
10 Year Energy Cost:	\$155,074	\$19,134	\$237,927	\$47,719	\$377,521	\$80,926	\$192,570	\$69,540
Savings over 10 Years:		\$135,940		\$190,208		\$296,594		\$123,030
Savings %:		88%		80%		79%		64%
Payback Years:		1.5		1.54		1.98		4.63
PUE		1.02		1.04		1.06		1.09

Coolerado vs. CRAC [Summary of small data center configuration (1,300 sf)]

“ We’ve reduced our energy use by as much as 97%. It now takes less energy to cool down the whole data center than it does to run your car’s air conditioner. In terms of strict dollars and cents, that’s a payout of less than three years.

David Gallaher,
Manager of IT Services | National Snow and Ice Data Center

“ We probably use only 300 watts of power. That saves us easily \$2,000 or more a month by using Coolerado versus a regular AC. The Coolerado units do exactly what they’re supposed to do. They’ve been absolutely perfect.

Phil Nail,
Chief Technology Officer | AISO.net

“ In our two years of experience with Coolerado, we’ve had zero downtime on any critical component. And, any time we’ve needed to leverage customer service needs, we’ve always had a same-day response.

Shawn Mills,
Owner and CEO | Green House Data

coolerado.com



WHY COOLERADO?

HIGH EFFICIENCY/REDUCED PUE

We offer unsurpassed Operating Expenditure savings in any climate. Coolerado can help data centers reduce their PUE close to 1.

CONNECTED LOAD

Reduce power infrastructure Capital Expenditure investment by up to 50% or reallocate power to growing IT load.

INCREASED REDUNDANCY

Air-side systems direct available cooling capacity to changing IT loads automatically.

FREE WINTER HUMIDIFICATION

In the winter use the Coolerado’s working air to bring relative humidity to the levels required by the computer equipment for proper operation.

SCALABILITY

Our simple modular design increases cooling capacity as your cooling demand grows in size or density.

SUSTAINABILITY GOALS

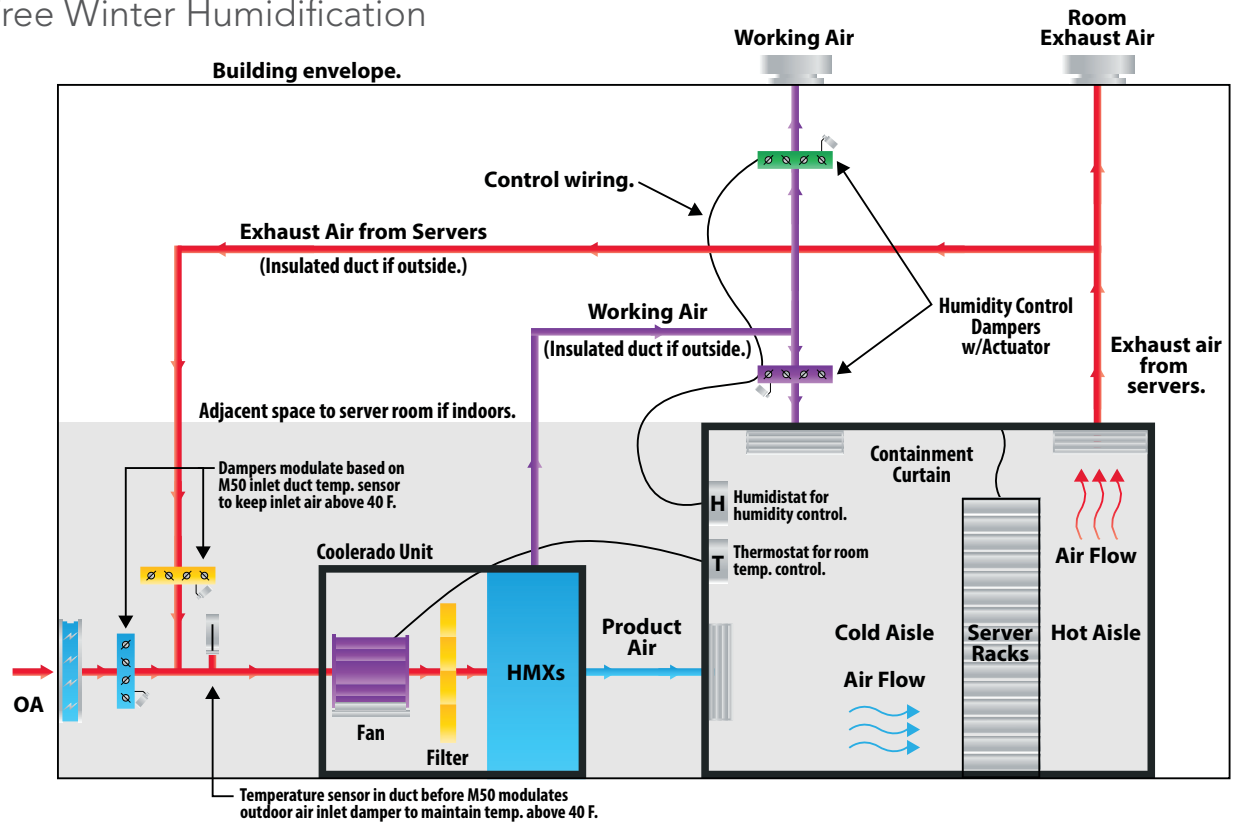
Use less energy and reduce your carbon footprint without chemical refrigerants, receive high IAQ, and earn up to 36 potential LEED points.

LOW MAINTENANCE

Fewer moving parts mean low maintenance costs.

Air-Side Economizer for Freezing Climates

Includes Free Winter Humidification



Air-Side Economizer for Non-Freezing Climates

