DCA: Taking The Lead In The Move To R-454B Refrigerant

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CEDARBURG, WI - August 04, 2025 -
Dehumidifier Corporation of America (DCA), a trusted United States-based manufacturer of high-performance industrial and commercial dehumidifiers, announced today that it is leading the charge in adopting R-454B, a next-generation refrigerant designed to deliver both superior efficiency and significant environmental benefits. As the HVAC industry transitions away from high-GWP refrigerants like R-410A, DCA has positioned itself at the forefront of sustainable innovation in the dehumidification sector.

All dehumidifier models from Dehumidifier Corporation of America are now fully transitioned to R-454B, reflecting the company?s aggressive commitment to sustainability and regulatory readiness. Both the horizontal and vertical dehumidifier lines have undergone design adjustments, with full integration of R-454B, ensuring consistent performance and environmental responsibility across the entire product range.

The shift to R-454B underscores DCA?s commitment to environmental responsibility and regulatory compliance. With a Global Warming Potential (GWP) of approximately 466?roughly 78% lower than R-410A?R-454B supports efforts to reduce greenhouse gas emissions in accordance with the American Innovation and Manufacturing (AIM) Act and the Kigali Amendment to the Montreal Protocol. As governments

enforce stricter standards, DCA?s proactive adoption ensures its products are aligned with the regulatory timelines.

By integrating R-454B into its dehumidification systems, DCA is enabling its customers to contribute to climate-friendly practices while continuing to benefit from robust humidity control. Unlike many older refrigerants, R-454B has an Ozone Depletion Potential (ODP) of zero, making it a preferred solution for environmentally conscious projects, especially in sectors such as indoor agriculture, archival storage, and data center climate control where air quality and energy efficiency are paramount.

One of the most compelling advantages for DCA customers is the energy efficiency gains associated with R-454B. Many systems using this refrigerant demonstrate operational improvements, with studies suggesting efficiency enhancements of 2% to 5%. These gains can lead to measurable cost savings over the equipment?s lifecycle, reinforcing the value proposition of DCA?s updated product line.

The company?s swift response to the refrigerant transition earlier this year, reflects an understanding of evolving customer expectations. As consumers and businesses grow more aware of their environmental impact, demand has increased for products that align with sustainability goals without compromising on performance or durability. DCA?s decision to adopt R-454B across its dehumidifier offerings positions the company as a responsible choice for specifiers, contractors, and end users alike.

?We see this transition not just as a regulatory necessity, but as an opportunity to lead,? said Gary Metzger, owner of Dehumidifier Corporation of America. ?Our move to R-454B isn?t just about compliance?it?s about offering our customers the best possible combination of performance, safety, and sustainability. At DCA, we believe that innovation should benefit both people and the planet.?

The industry-wide push towards low-GWP refrigerants has already seen major HVAC players such as DCA selecting R-454B as their replacement for R-410A. With many manufacturers facing tight timelines and shifting supply chains, DCA has taken early and decisive action to secure materials, redesign components, and ensure product availability ahead of market demand. This readiness ensures a seamless transition for distributors and clients alike.

DCA?s approach also addresses long-term strategic planning for its customers. By opting for R-454B now, users of DCA equipment are investing in technology that is built to remain compliant well into the future. This foresight helps avoid the costs and disruptions associated with multiple refrigerant transitions, an important consideration as global policies continue to evolve.

Technician training and service network updates are also integral to DCA?s implementation strategy. By equipping its partners with the knowledge and tools to handle A2L refrigerants safely, DCA is reinforcing its

role as a trusted advisor to contractors and facility managers navigating the refrigerant transition.

As buildings become more airtight and energy-efficient, the need for precision humidity control grows. Whether preserving sensitive materials, enhancing indoor air quality, or maintaining comfort in demanding environments, DCA?s R-454B-equipped dehumidifiers are engineered to perform under pressure while reducing environmental impact.

Dehumidifier Corporation of America has long been a name synonymous with engineering excellence and reliability. With the introduction of R-454B across its product lines in January 2025, the company continues to deliver on that promise, providing its customers with a product that meets today?s climate challenges while setting the stage for tomorrow?s innovation.

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Dehumidifier Corporation of America

Founded in 1995, Dehumidifier Corporation of America (DCA) is a US Corporation that is totally dedicated to the field of Dehumidification

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