

Don't forget: June 20th is Father's Day!

Speaking of fathers, Willis Carrier is widely regarded as "The Father of Air Conditioning." Working as a young engineer, he responded to a problem a printing company had with colored inks misaligning due to the high humidity in the plant. Carrier solved the problem with what is credited as the [first installation of a modern air conditioning system](#) in 1902, and after several years of refinement, he was granted a patent on the system in 1906.



Air conditioning and refrigeration have had enormous impacts on people's lives by offering more comfort, productivity, healthier living and a safer supply of perishables. Carrier Transicold is proud to be part of the family that has been the world leader in air conditioning, heating and refrigeration for more than 100 years! Happy Father's day!

The Growing Vector® Family

The Vector 5100 unit is the latest addition to Carrier Transicold's Vector product line, which also includes the [Vector 6500](#) single-temperature trailer unit and the [Vector 6600MT](#) multi-temperature trailer unit.

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e A Cool New Solution for Cold Storage

Your first impression upon opening the doors of Carrier's new Vector® 5100 refrigeration unit is "something's missing." Gone is the power plant – the diesel engine plus generator found with highway-bound Vector units. Also gone are the noise, emissions and expense associated with using diesel-powered units for stationary cold storage.

"Many supermarkets need temporary cold storage, especially around holidays when retailers are moving seasonal items," says Mark Fragnito, product manager for Carrier Transicold. "Typically, they park and use older trailers equipped with aging diesel reefers that are noisier and less efficient. By consuming more fuel, this practice becomes a relatively expensive proposition."

The Vector 5100 unit is based on the refined all-electric refrigeration architecture of Carrier's successful Vector 6500 single-temperature transport refrigeration unit. The Vector 5100 improves temporary cold storage by providing the same quiet, emissions-free performance as a Vector 6500 on electric standby power, without the added cost of the diesel power plant.

"There is both regulatory and consumer momentum to reduce emissions and reduce fuel usage," says Fragnito. "Many facilities are investing in the electrical infrastructure for their transport refrigeration units and finding that the money they save in diesel fuel is dramatic, providing very quick payback. Also, electrically powered units deliver dramatic carbon emissions savings. The Vector 5100 brings these advantages to stationary trailer applications."

[Learn more](#) about how Carrier has advanced trailer refrigeration technology by bringing it to a standstill.



The "Current" Solution to Electric Standby

When running off "grid power," all Carrier Transicold Vector units deliver high-performance and highly-efficient electric operation compared to the "add-on" standby systems in conventional units. Next-generation technologies deliver best-in-class operation, while additional high-tech features in the electronics enable Vector units to adapt to varying operating conditions for consistent, reliable performance. [Learn more.](#)

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