

Our New Commercial Lineup



Commercial air products designed for use with new A2L refrigerants.

To meet the U.S. EPA American Innovation and Manufacturing (AIM) Act of 2020 requirements that take effect January 1, 2025, Friedrich® Commercial Air products will be transitioned to use R-454B refrigerant and available in the following product types and capacities.

Product Category		Product Model and Name	Nominal Sizes	Key Features	Refrigerant Type
Commercial Split	Air Handler	RHCYA Commercial Split F-Series™ A/C Air Handler	7.5, 10, 12.5, 15 & 20 Tons	For use with matching RACY models Horizontal or vertical airflow	R-454B with factory-installed sensor
		RHCYP Commercial Split F-Series™ Heat Pump Air Handler	7.5 & 10 Tons	For use with matching RPCY models Horizontal or vertical airflow	
	Heat Pump	RACY Commercial Split F-Series™ Air Conditioner	6.5, 7.5, 10, 12.5, 15 & 20 Tons	Up to 11.2 EER / 14.8 IEER For use with matching RHCYA models	R-454B
		RPCY Commercial Split F-Series™ Heat Pump	7.5 & 10 Tons	Up to 14.1 IEER / 11.0 EER / 3.4 COP For use with matching RHCYP models	
Packaged Air Conditioning		RACCYB Renaissance™ Line F-Series™ Packaged A/C	3–6 Tons	3–5 Tons: Up to 13.4 SEER2 / 10.6 EER2 6 Tons: Up to 14.8 IEER / 11.2 EER One-stage cooling (3 to 5 tons) or two-stage cooling (6 tons) Coil Type: Full MicroChannel Optional PlusOne® ClearControl™, PlusOne® HumidiDry®	R-454B with factory-installed sensor
		RACCYC Renaissance™ Line F-Plus Series™ Packaged A/C	3–5 Tons	Up to 16.2 SEER2 / 12 EER2 Two-stage cooling Coil Type: Full MicroChannel Optional PlusOne® ClearControl™, PlusOne® HumidiDry®	
		RACDYB Renaissance™ Line F-Series™ Packaged A/C	7.5–12.5 Tons	Up to 11.2 EER / 14.8 IEER Two-stage cooling Coil Type: Full MicroChannel Optional PlusOne® ClearControl™, PlusOne® HumidiDry®	
		RACGYB Renaissance™ Line F-Series™ Packaged A/C	15–25 Tons	Up to 11.0 EER / 14.2 IEER Two-stage cooling Coil Type: Full Interlaced MicroChannel Optional PlusOne® ClearControl™, PlusOne® HumidiDry®	
		RACHYB Resolute™ Line F-Series™ Packaged A/C	15–25 Tons	Up to 11.0 EER / 14.2 IEER Two-stage cooling Coil Type: Fin and Tube Evaporator, MicroChannel Condenser Standard PlusOne® ClearControl™ Optional PlusOne® HumidiDry®	
		RACHYB360 Resolute™ Line F-Series™ Packaged A/C (30 Tons)	30 Ton	Up to 10.5 EER / 14.2 IEER Five-stage cooling Coil Type: Fin and Tube Evaporator MicroChannel Condenser Optional PlusOne® ClearControl™	

Low-GWP Refrigerant Equipment Reference Guide

Product Category	Product Model and Name	Nominal Sizes	Key Features	Refrigerant Type
Packaged Gas / Electric	RGECYB Renaissance™ Line F-Series™ Packaged G/E	3-6 Tons	3-5 Tons: Up to 13.4 SEER2 / 10.6 EER2 6 Tons: Up to 14.6 IEER / 11.0 EER One-stage cooling (3 to 5 tons) or two-stage cooling (6 tons) Coil Type: Full MicroChannel Optional PlusOne® ClearControl™, PlusOne® HumidiDry®	R-454B with factory-installed sensor
	RGECYC Renaissance™ Line F-Plus Series™ Packaged G/E	3-5 Tons	Up to 16.2 SEER2 / 12 EER2 Two-stage cooling Coil Type: Full MicroChannel Optional PlusOne® ClearControl™, PlusOne® HumidiDry®	
	RGEDYB Renaissance™ Line F-Series™ Packaged G/E	7.5-12.5 Tons	Up to 11.0 EER / 14.6 IEER Two-stage cooling Coil Type: Full MicroChannel Optional PlusOne® ClearControl™, PlusOne® HumidiDry®	
	RGEGYB Renaissance™ Line F-Series™ Packaged G/E	15-25 Tons	Up to 10.8 EER / 14.0 IEER Two-stage cooling Coil Type: Full Interlaced MicroChannel Optional PlusOne® ClearControl™, PlusOne® HumidiDry®	
	RGEHYB Resolute™ Line F-Series™ Packaged G/E	15-25 Tons	Up to 10.8 EER / 14.0 IEER Two-stage cooling Coil Type: Fin and Tube Evaporator, MicroChannel Condenser Standard PlusOne® ClearControl™ Optional PlusOne® HumidiDry®	
	RGEHYB360 Resolute™ Line F-Series™ Packaged G/E	30 Ton	Up to 9.8 EER / 14.2 IEER Five-stage cooling Coil Type: Fin and Tube Evaporator MicroChannel Condenser Optional PlusOne® ClearControl™	
Packaged Heat Pump	RHPCYB Renaissance™ Line F-Series™ Packaged Heat Pump	3-6 Tons	3-5 Tons: Up to 13.4 SEER2 / 10.6 EER2 / 6.7 HSPF2 6 Tons: Up to 14.1 IEER / 11.0 EER / 3.4 COP One-stage cooling (3 to 5 tons) or two-stage cooling (6 tons) Coil Type: Full MicroChannel Optional PlusOne® ClearControl™	R-454B with factory-installed sensor
	RHPDYB Renaissance™ Line F-Series™ Packaged Heat Pump	7.5, 8.5 & 10 Tons	Up to 14.1 IEER / 11.0 EER / 3.4 COP Two-stage cooling Coil Type: Full MicroChannel Optional PlusOne® ClearControl™	
	RHPHYB Resolute™ Line F-Series™ Packaged Heat Pump	15 & 20 Tons	Up to 10.6 EER / 13.5 IEER Two-stage cooling Coil Type: Fin and Tube Optional PlusOne® ClearControl™	



To learn more about the A2L refrigerant transition and the AIM Act, visit [Friedrich.com/HVACKnowZone](https://www.friedrich.com/HVACKnowZone)

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Low-GWP Refrigerant Equipment Reference Guide

Required Commercial Models Phase-Out

With this lineup change, we will phase out products that do not meet the new Low-GWP requirements. The following tables break down the models being phased out and the new Low-GWP compliant models that will replace them.

	Product Type	Capacity Range (Tons)	Obsolete Model(s)	Production Model(s)
Renaissance™ Line	Packaged A/C	3 to 5	RACCZR	RACC YB
		6	RACCZT	RACC YB
		7.5 to 12.5	RACDZT	RACD YB
		15 to 25	RACG2T	RACG YB
	Packaged G/E	3 to 5	RGECZR	RGEC YB
		6	RGECZT	RGEC YB
		7.5 to 12.5	RGEDZT	RGED YB
		15 to 25	RGEG2T	RGEG YB
	Packaged Heat Pump	3 to 5	RHPCZR	RHPC YB
		6	RHPCZT	RHPC YB
		7.5 to 10	RHPDZT	RHPD YB
	Resolute™ Line	Packaged A/C	15 to 25	RLRL-H
RLNL-H				
RLNL-G				
Packaged G/E		30	RACH5U	RACH YB 360
		15 to 25	RKRL-H	RGEH YB
			RKNL-H	
			RKNL-G	
30	RGEH5U	RGEH YB 360		
Packaged Heat Pump	15 to 20	RHPH2T	RHPH YB	
Split	Commercial Split A/C	6.5 to 20	RACL + RHCLA	RAC Y + RHC YA
	Commercial Split Heat Pump	7.5 to 10	RPCL + RHCLP	RPC Y + RHC YP
	Replacement Only Outdoor Unit	6.5 to 20		RACL

Information on the U.S. EPA regulation entitled “Restriction on the Use of Certain Hydrofluorocarbons Under the American Innovation and Manufacturing Act of 2020”



The U.S. Environmental Protection Agency (EPA), under the regulation entitled “Restrictions on the Use of Certain Hydrofluorocarbons Under the American Innovation and Manufacturing Act of 2020” (88 FR 73098, October 24, 2023), requires all commercial packaged and commercial splits models manufactured on or after January 1, 2025, to meet new, lower global warming potential (GWP) limits. Global Warming Potential (GWP) is an index to measure how much infrared thermal radiation a greenhouse gas would absorb over a given time frame after it has been added to the atmosphere (or emitted to the atmosphere).

The rule allows one additional year, until January 1, 2026, for the installation of new air conditioning and heat pump systems manufactured or imported prior to January 1, 2025 and allows three additional years, until January 1, 2028, for the sale of new packaged air conditioning and heat pump products. Components are exempt from rule prohibitions, allowing manufacturers to continue producing R-410A compressors, condensing units, etc. as long as they are intended for servicing of existing systems.

Commercial Packaged Air Conditioners and Heat Pumps

- Equipment Subsector: Self-contained residential and light commercial air conditioning and heat pumps
- 100-year GWP Limit: 700 GWP
- Manufacture and Import Compliance Date: January 1, 2025
- Federal Sell-through Compliance Date: January 1, 2028
 - Local exceptions may apply, some with more stringent requirements. All are encouraged to visit [Friedrich.com/HVACKnowZone](https://www.friedrich.com/HVACKnowZone) and / or check with their local authorities to learn more.

Commercial Splits Air Conditioners and Heat Pumps

- Equipment Subsector: Residential and light commercial air conditioning and heat pump systems
- 100-Year GWP Limit: 700 GWP
- Manufacture and Import Compliance Date: January 1, 2025
- Federal Installation Compliance Date: January 1, 2026, for equipment manufactured prior to January 1, 2025.
- Continued manufacture, sale and replacement of R-410A components. Commercial Splits outdoor units are considered as replacement components under the U.S. EPA regulation
 - Local exceptions may apply, some with more stringent requirements. All are encouraged to visit [Friedrich.com/HVACKnowZone](https://www.friedrich.com/HVACKnowZone) and / or check with their local authorities to learn more.

Important Notes About the Transition:

Compliance Based on Equipment Type

It is essential to get familiar with the regulation specifics. EPA delineates the equipment categories of Products, Systems and Components, and the rules are different for each. Packaged equipment are considered “Products” and have a three-year sell-through of existing inventory. “Systems” are considered a grouping of components, such as a split ducted AC/HP or mini-split, and that compliance is based on system installation, but equipment made before 2025 can now be installed through 1/1/26. “Components” are the major elements such as an indoor coil, outdoor condensing unit or air handler, and can be manufactured for R-410A indefinitely as long as they are only used for the service of already-installed equipment and labeled as such.

Transporting A2L Equipment and Refrigerants

Low-GWP substitutes for air conditioning are mildly flammable, introducing new safety considerations for transportation and storage. While service vehicle placards won't change, cylinders may need to be transported in an upright position to keep their relief valves in the vapor space. You are advised to check with the refrigerant cylinder manufacturer to confirm the cylinder transport and storage needs for A2L refrigerants.

While there's no change to AC and HP equipment transportation for units with up to 25 lbs. charge, above that HAZMAT shipping or a DOT exemption permit is required. We have been granted a manufacturer special permit, allowing our HVAC products to ship the same as A1 refrigerants. However, an individual exemption permit is required before transporting equipment with more than 25 lbs. of refrigerant where the original packaging has been opened or modified.

Be Aware of Local Requirements

The American Innovation and Manufacturing (AIM) Act does not preempt state regulations. Some states, such as California and Washington, have regulations that exceed federal mandates—in all cases, the more stringent requirement prevails.

Stay in the Know

Visit the Friedrich HVAC Know Zone to find more A2L awareness resources.

[Friedrich.com/HVACKnowZone](https://www.friedrich.com/HVACKnowZone)

