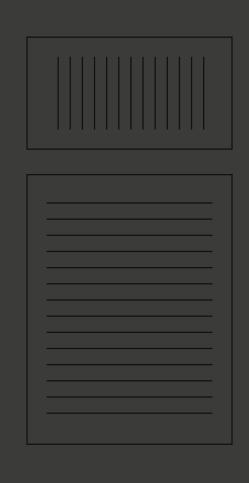


KOVA Comfort Intelligent HVAC

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Climate change, national emissions targets and energy codes demand better HVAC solutions, but basic heating and cooling technology hasn't really changed much since 1902.

Why not leverage machine learning to build a better system for projects, people and the planet?

Heating and cooling spaces and people accounts for:

15%

15% of greenhouse emissions globally.*

55%

55% of annual household energy use.**

2X+

More than twice as much energy usage than the average car.**

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^{*} https://www.wsj.com/articles/the-race-to-build-a-better-air-conditioner-601b28fc

^{**} https://www.anthropocenemagazine.org/2020/07/the-race-is-on-to-build-an-ac-unit-that-doesnt-cook-the-planet/

Introducing KOVA Comfort Intelligent HVAC, the only residential solution leveraging machine learning and advanced AI to lower energy use and create greater comfort.

Through embedded machine learning, KOVA
Comfort uses behavioral, environmental
and occupant inputs to adapt, personalize
and maximize comfort in each unique living
environment. The user becomes part of an
algorithm that feeds the functionality of the unit.

Perfect for multifamily, hospitality, student housing, and single-family environments.



30% more efficient than conventional systems



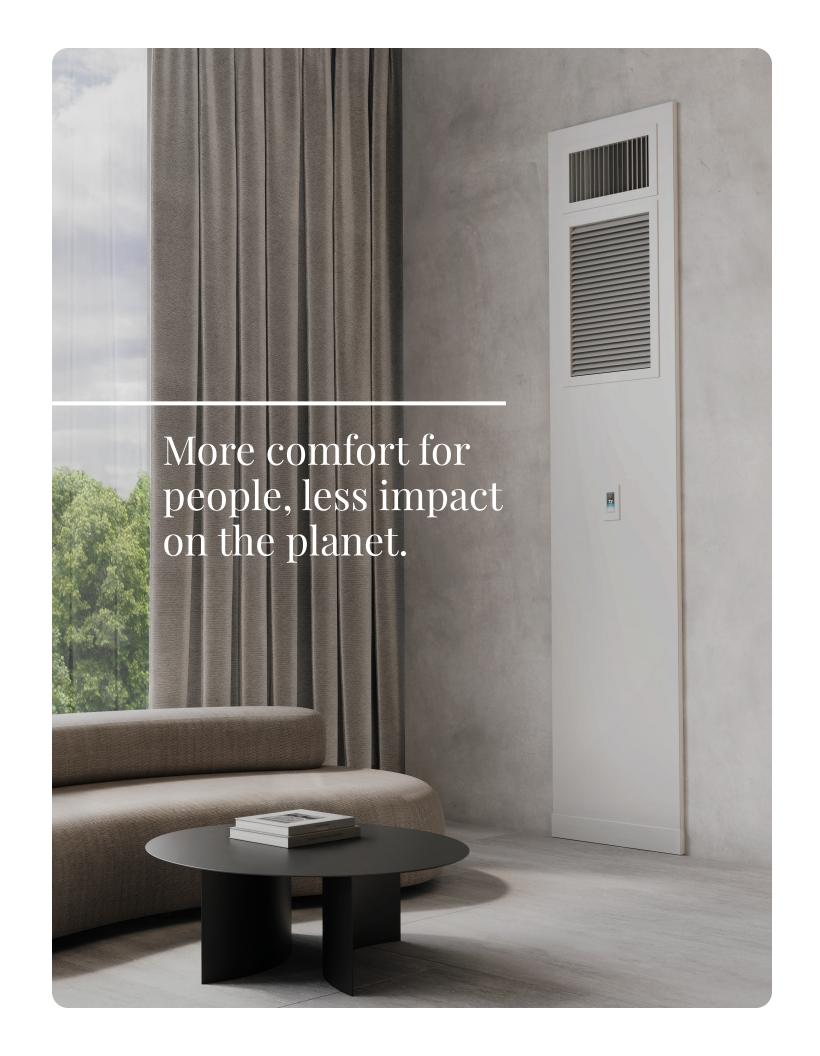
Integrated design means no intrusion on the interior and better air delivery



Easy to install, saves time and labor in the field



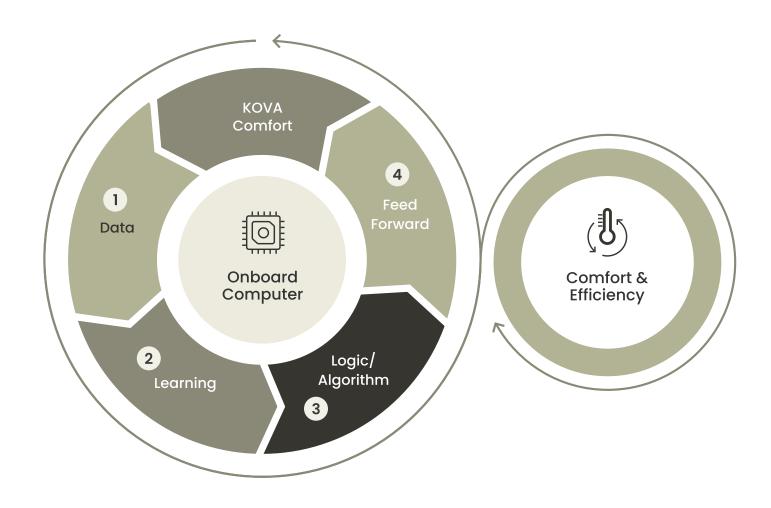
Easy to repair and replace, less downtime and disruption.



KOVA Comfort Intelligent HVAC

How It Works

KOVA Comfort Intelligent HVAC is designed around a powerful onboard processor to create the first system with the ability to capture, analyze, learn and optimize comfort and performance over time.



1 Data Inputs

- Temperature
- Humidity
- Real-Time Occupancy
- Light Intensity
- · Habits and usage

2 Comfort Models

- Adaptive Comfort
- Occupancy Model
- Environmental Model
- Cooperative Control
- 3 Turning learning into algorithm—independent of input
- Putting machine learning into practice to create comfort & efficiency

Intuitive User Interface

- Intuitive built-in control, easy to navigate.
- Control single HVAC or orchestrate control across an entire living space.
- Standard thermostat controls and schedules with Al-enabled selections that optimize for comfort and/or energy efficiency.
- Built-in sensors to optimize operations, comfort and performance.





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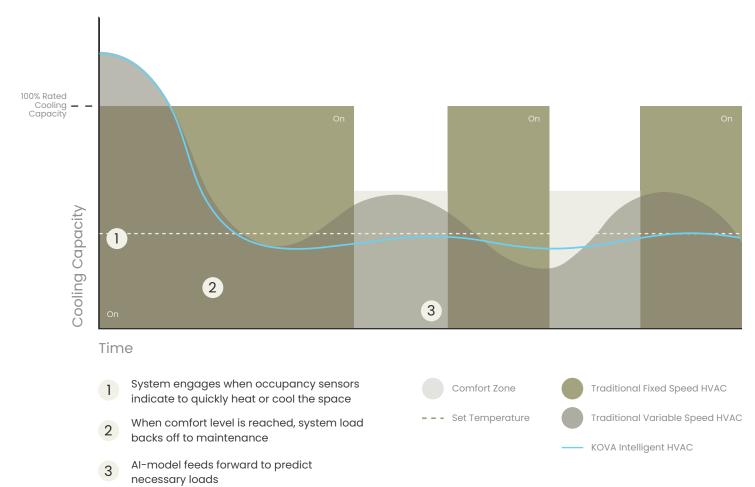
Superior Performance & Comfort

Flexible to operate as an individual unit or engage with multiple units, KOVA Intelligent HVAC leverages machine learning and the use of advanced variable speed technologies for superior performance and efficiency.

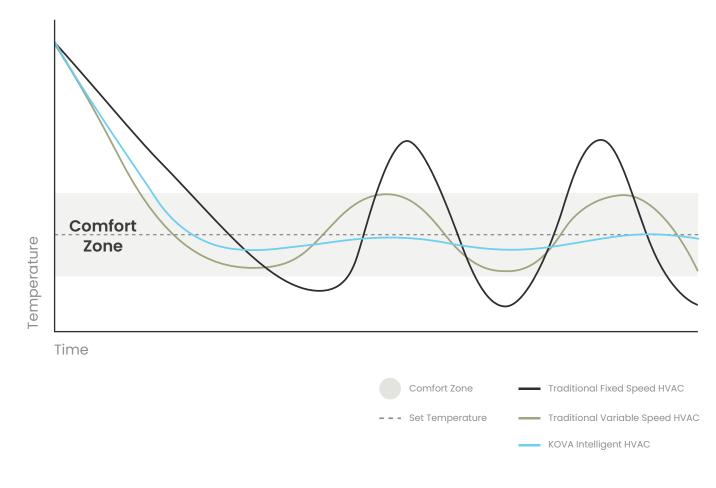
30%+ energy savings

Al-driven optimization and a variablespeed compressor work together to use only the energy needed to meet heating or cooling loads. This creates less bouncing of power, greater comfort and less energy use throughout the day delivering up to 40% energy savings

Variable speed system operations and machine learning work in tandem to optimize system performance and save energy.



Data and system work together to create personal comfort zones and to keep spaces more comfortable throughout the day.



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Product Detail

Specifications

Power Supply	208/230/1/60	
Power Supply Operating Range	187-253 (v)	
Compressor	Variable Speed Rotary	
Indoor Blower	Backward Curve Blower	
Outdoor Fan	Axial Fan	

Electric Heat (Power/AMPS)	IPS) 1300 (W) / 3.25 (A)	
Dimensions (HxWxD)	89-in x 14.3-in x 11.75in	
Weight	110 lbs	



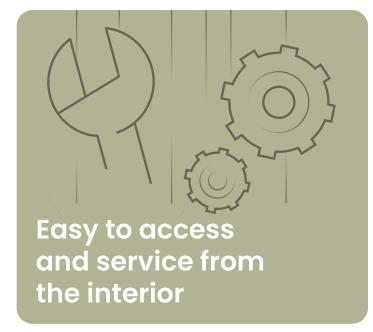
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Optimized Installation

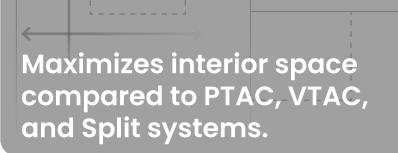
Maximizes Footprint & Lowers Construction Costs

Engineered for easy installation.

Uncomplicated product assembly and installation that produces positive implications for time on site, material use, and labor costs.

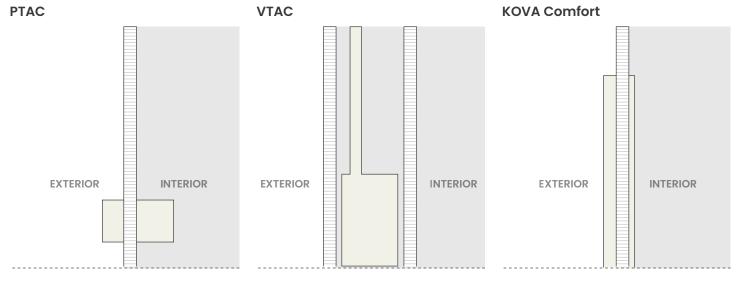






Integrated Architectural Design

A clean, modern aesthetic and slim profile provides a compact footprint that does not consume valuable interior space and allows for pairing with large glazing units.



Other packaged units consume significant footprint.

KOVA Comfort's minimal footprint.

	VTAC	Split	KOVA Comfort
Installation Requirements	Base platformPlenum openingElectrical installation	 Concrete base for the outdoor unit Metal frame prep hanging indoor unit Electrical installation 	Easily fits standard stud wall
Installation Process	Drain panVTAC installation on base platformWater proofing	 Refrigerant lines Fill refrigerant gas and seal Indoor blower unit install Outdoor unit install 	 Trim and waterproofing occur in factory Only requires electric installation and sleeve & support bracket installation
Finishing Requirements	DuctingWaterproofing & plumbingDrywall workVent cover installation	DuctingWaterproofing & plumbingDrywall workVent cover installation	Minor drywall work Interior panel installation

KOVA Comfort Intelligent HVAC kovaproducts.com

We create solutions from building envelope to the smallest interior detail. All aimed at creating more harmonious, healthier, more sustainable living, working, playing spaces...for humans.

KOVA Construct









Multi-trade Assemblies



KOVA Connect



Interior Storefront





Modular Wall Systems

KOVA Components



Bath & Kitchen Kits



Tubs, Sinks, Toilets





Lighting







