



# FRIEDRICH



## 2025 DUCTLESS MINI-SPLIT PRODUCT LINE

# Friedrich Overview

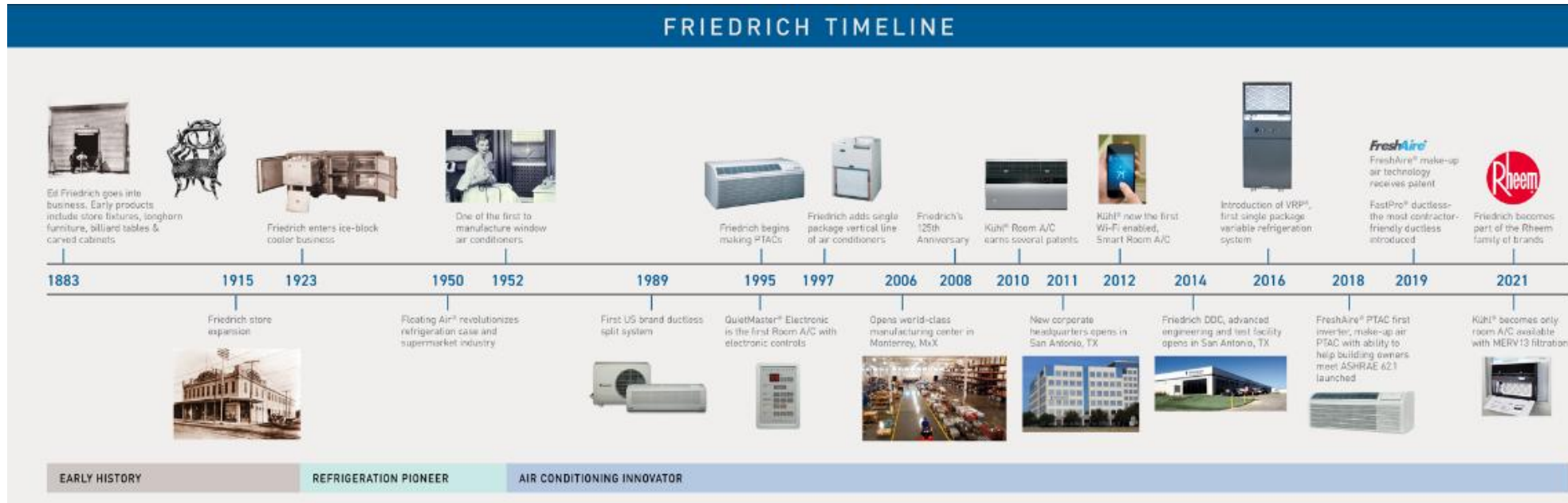
Friedrich Air Conditioning is committed to comfort, innovation, and quality without compromise

Founded in 1883, Friedrich Air Conditioning is a leading US manufacturer of premium room AC products designed for residential and commercial applications. Constructed of the highest-quality components, Friedrich products are built to exacting standards and are among the most sophisticated, energy efficient, and quietest available.



# Friedrich History

140+ year legacy of innovation



- Established in 1883 in San Antonio, Texas, and remains privately held
- Pioneer in commercial refrigeration and room air conditioning—founding ENERGY STAR® program partner
- First to market with: US-brand ductless split system, room AC heat pump, room AC electronic controls, Wi-Fi enabled smart room AC, single package vertical system with inverter compressor, and many more

# Why Friedrich Is the Future

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## PROVEN RESULTS

Over 100 years of innovation and reliability ensure your success



## TOOLS FOR TODAY

Extensive breadth and depth of products and programs that let you tell your customers “Yes, we can!”



## FAST. FORWARD.

Innovative products with leading-edge technology developed by a team that is driven to action and dedicated to sustainably bringing comfort any place, *any where*



# PRODUCT AWARDS / Highlights

## Awards

- **WINNER**, *Smart Home & Automation* category in *Climate Control*, TWICE VIP Awards
- **WINNER** (under embargo), *HVAC* category, *Good Housekeeping Renovation* Awards



## Coverage

Floating Air Ductless – Featured in HGTV national media tour

- 15 TV bookings
- Broadcast audience: 12M
- Estimated reach: 200M+
- Live run September 19<sup>th</sup>



# DuCTLESS Mini-Split market outlook

**Key Insight:**

- A significant portion of the mini-split (ductless) market is **not reported to AHRI**.
- Internal estimates suggest this unreported segment is **1.5x to 3x** larger than reported data.

**Market Implications:**

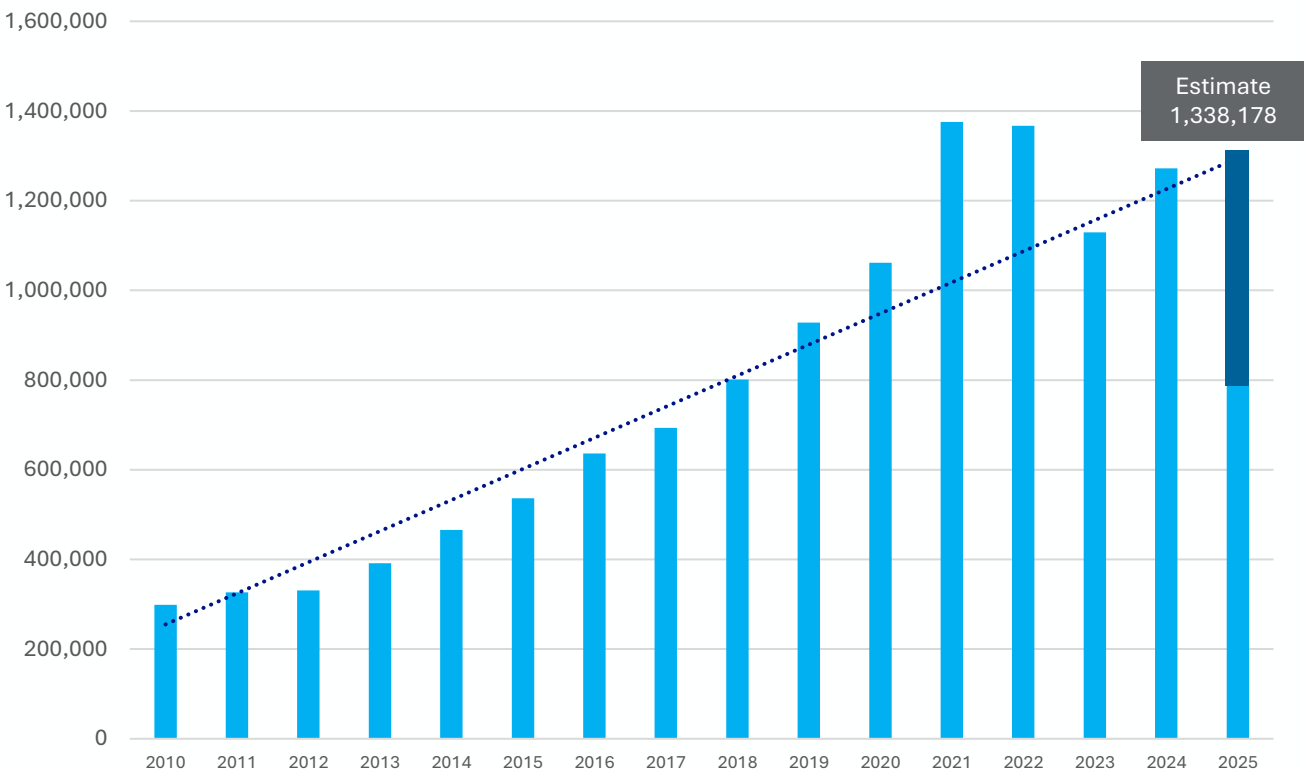
- **Unitary system trends** remain modest.
- **Ductless systems** present a **high-growth opportunity**:
  - Category expansion
  - Market share gains

**Strategic Consideration:**

- Prioritize ductless in growth planning to capitalize on underreported market potential.

Relatively stable market continues to grow despite our best efforts to disrupt.

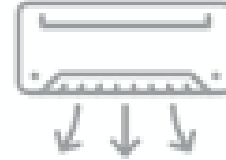
**US Ductless Mini-Split Industry**



# Why are **DUCTLESS** Mini-Splits so market resilient?



- **Continued focus** on decarbonization and electrification
  - **Cold climate products in our product DNA**
- Product provides comfort as required
- Open opportunity for market share growth



- **Applications of:**
  - Residential
  - Home Office
  - Light Commercial
  - Add-on
  - Tiny Home
  - Food Truck



- **Federal Tax Credits (IRA 25C):** Up to \$2,000, available through Dec 31, 2025
- Affordability
- Ease of install



- **Quality and reliability**  
(Failure rates below 1%)

**TAKEAWAY:** This is an ideal category for HVAC no matter the channel, opportunity exists to focus our efforts



**MANUFACTURING HVAC**  
Based in Texas since 1883,  
manufacturing ACs since 1952



**ESTABLISHED LEADER**  
Outperforms peers in brand  
reputation and satisfaction across  
products and industries\*



**POWERFUL BRAND LOYALTY**  
96% of customers would  
recommend Friedrich (*Net  
Promoter Score – NPS of 83  
versus appliance comps of 10–30*)



**ANNUAL BRAND IMPRESSIONS**  
Strong digital footprint with YOY  
growth of 79% in organic Google  
search impressions and 18% growth  
in social media brand exposure

\*Based on 3<sup>rd</sup> party survey of room air conditioning customer ratings, Hanover Research brand study of HVAC in hospitality market, and Consumer Reports 2018 & 2020 Summer Surveys.



# What Sets Us Apart – Quality

Quality without compromise is more than a tagline—it drives all product strategies.



**Friedrich is dedicated to creating quality products with exclusive innovations in-house.**

- All products have unique features, specs, and trade dress
- No OEM products at Friedrich
- FastPro® and QuietMaster® are just two of our exclusive, Friedrich-developed features that set our products apart
- All product design is North American focused—with 100% of product management done at our headquarters in San Antonio, Texas

# What Sets Us Apart – Quality

Quality without compromise is more than a tagline—it drives all product strategies.

**All product engineering is done through our DDC and Monterrey production facilities**

- Labs are licensed for UL self-certification
- Factory and supply chain follow ISO-9001 standards



possible video from acquisition video for slide 9

# Value Proposition



## Product Management



## Product Features



## Organizational Support

### Distributor



- SKU versatility across tiers for inventory management
- Multiple tiers with attractive features and benefits
- Low failure rate
- Optimized supply chain and support
- Competitive price point

### Contractor



- Improved installation and serviceability (**FastPro®**)
- Matchup simplicity
- Multiple tiers with attractive features and benefits
- Low failure rate
- Applicable for Pro Partners
- Competitive price point



## Product line-up



### CLASSIC® – ACHIEVER® – SELECT SERIES

- Wall-mounted: 9–36K
- 115V 9–12K;  
208V/230V 18–36K
- R-32
- 18.0–21.0 SEER2
- 8.4–9.8 HSPF2
- -5°F HP Operation

### CLASSIC PLUS® – ACHIEVER PLUS® – PRO SERIES

- Wall-mounted: 9–24K
- 115V 9–12K;  
208V/230V 9–24K
- R-454B
- 21.0–25.0 SEER2
- 9.5–11.0 HSPF2
- -13°F HP Operation



### PRESTIGE® – ULTRA® – PRO X SERIES

- Wall-mounted: 9–24K
- Cassette: 9–36K
- Concealed Ducted: 9–36K
- R-454B
- 18.5–22.0 SEER2
- 9.0–10.5 HSPF2
- -22°F HP Operation
- 100% HP @ 5°F

MULTI-ZONE

- Wall-mounted: 7–24K
- Cassette: 9–24K
- Concealed Ducted: 9–24K
- Air Handler: 18–24K
- R-454B
- 17.5–23.0 SEER2
- 8.8–10.0 HSPF2
- -13°F HP Operation
- 100% HP @ 5°F



SINGLE-ZONE

SINGLE-ZONE



# What Sets Us Apart – **FastPro**<sup>®</sup>

## Modular Drain Assembly

Easy to remove for cleaning

## Quick Access

Tangential blower and motor for easier repairs

## Clear Piping Access

Simplifies maintenance tasks

## Wire Terminal Blocks

Easy to access for servicing

## Onboard Error Codes

Ensure trouble-free operation

## Complete Coil Access

For easy cleaning

Friedrich to supply FastPro video/GIF

<sup>1</sup>Excludes FAHSW36A3D. <sup>2</sup>Faster than similar installation, cleaning and service performed on standard ductless wall-mounted units

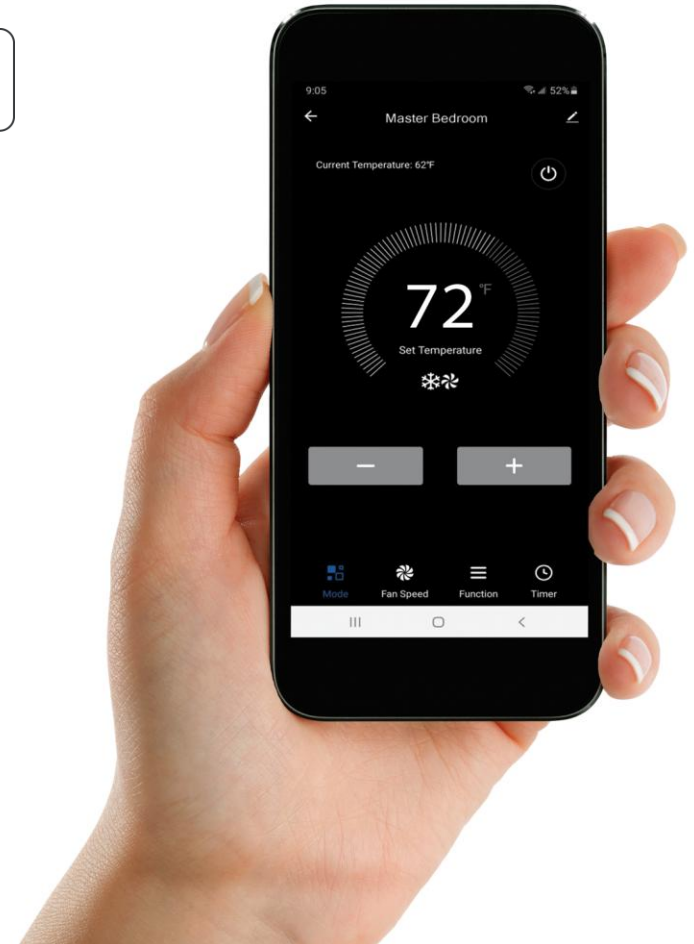
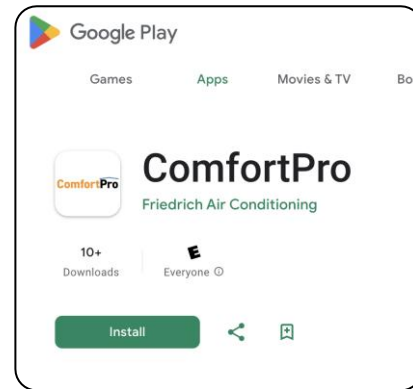
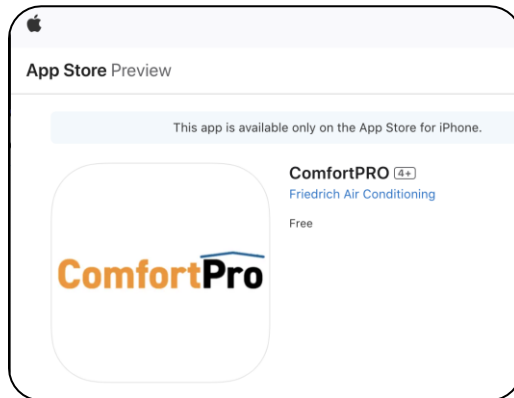




# What Sets Us Apart – Built-in Wi-Fi

## Built-in Wi-Fi Connectivity

- Available on wall-mounted and ceiling cassette models
- Easy-to-use ComfortPro mobile app
- Create customizable, seven-day schedule
- Control with smartphone or wireless remote
- Voice Command with Amazon Alexa and Google Home






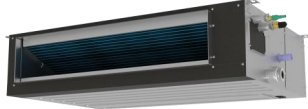

# What Sets Us Apart – SKU Count

## Distributor-optimized SKU reduction for leading inventory management benefits:

Resulted in significant SKU reduction from prior series

- 2024 SKUs: 53
- 2025 SKUs: 41

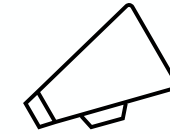
### INDOOR OPTIONS

	 Outdoor	 Wall-mounted	 Cassette	 Concealed Ducted	 AHU
Select	9 12 18 24 36	9 12 18 24 36			
Pro	9 12 18 24	9 12 18 24			
Pro X	9 12 18 24 36	9 12 18 24	9 12 18 24 36	9 12 18 24 36	
Pro X Multi-zone	18 27 36 42	7 9 12 18 24	9 12 18 24	9 12 18 24	18 24

Boxes indicate single SKU used across multiple tiers in 115V and 208/230V

# Why floating air - Cold climate hp

- Available in Prestige – Ultra – Pro X
- Down to -22 (SZ), 100% @ 5°F\*
- Up to 23 SEER2
- Single and Multi-Zone outdoors available
- Built-in Troubleshooter
- Built-in Base pan heater
- Up to 262 ft max piping length (MZ)



90% of ODU models qualify

Floating Air  
Classic/Achiever/Select

FSHSR09B1C	CEE Tier 1 (Path A & B)
FSHSR12B1C	CEE Tier 1 (Path A)
FSHSR18B3D	CEE Tier 1 (Path A & B)
FSHSR24B3D	CEE Tier 1 (Path A)

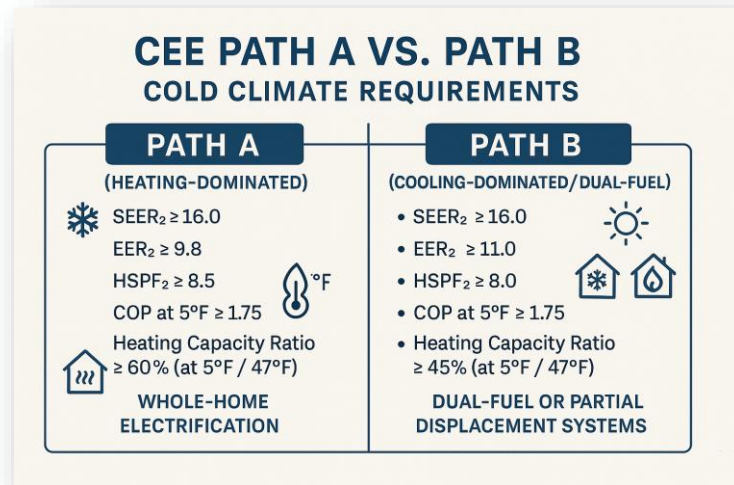
Floating Air  
Classic  
Plus/Achiever  
Plus/Pro

FPHSR09A1C	CEE Tier 1 (Path A & B)
FPHSR12A1C	CEE Tier 1 (Path A & B)
FPHSR09A3D	CEE Tier 1 (Path A & B)
FPHSR12A3D	CEE Tier 1 (Path A & B)
FPHSR18A3D	CEE Tier 1 (Path A & B)
FPHSR24A3D	CEE Tier 1 (Path A & B)

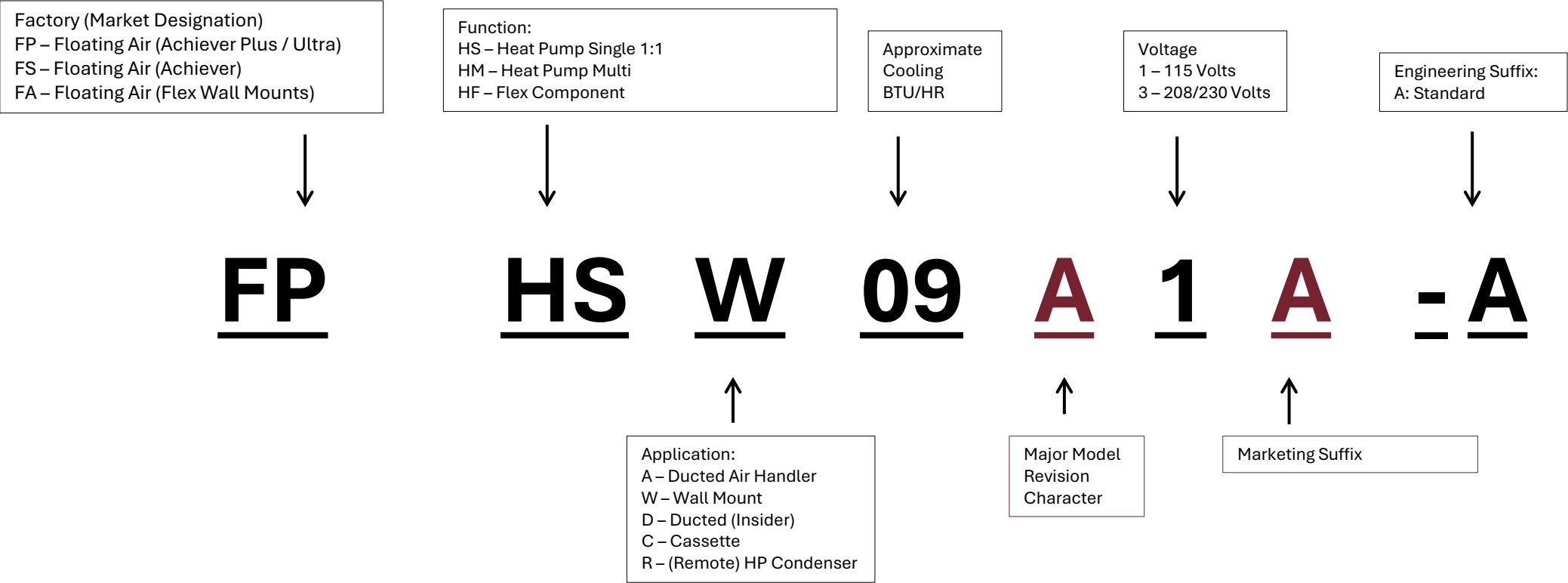
Floating Air  
Prestige/Ultra/Pro-X

FPHFR09A3D	CEE Tier 1 (Path A & B)
FPHFR12A3D	CEE Tier 1 (Path A & B)
FPHFR18A3D	CEE Tier 1 (Path A & B)
FPHFR24A3D	CEE Tier 1 (Path A & B)
FPHFR36A3D	CEE Tier 1 (Path A & B)
FPHMR18A3D	CEE Tier 1 (Path A & B)
FPHMR27A3D	CEE Tier 1 (Path A & B)
FPHMR36A3D	CEE Tier 1 (Path A & B)
FPHMR42A3D	CEE Tier 1 (Path A & B)

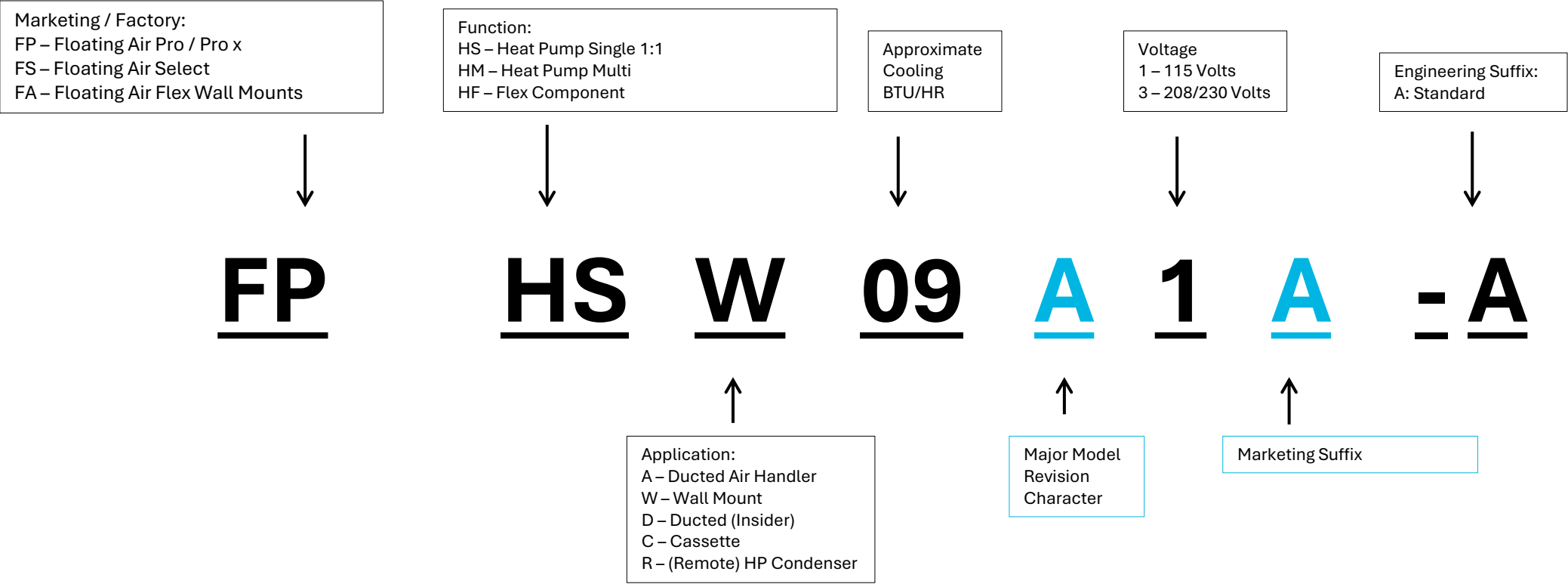
\* 86% @5F for FPHMR42A3D



# 2025 Ductless Nomenclature – Ruud



# 2025 Ductless Nomenclature – Friedrich





# Select Series Wall-mounted

Indoor Model	FAHSW09A1C	FAHSW12A1C	FAHFW18A3D	FAHFW24A3D	FAHSW36A3D
Outdoor Model	FSHSR09B1C	FSHSR12B1C	FSHSR18B3D	FSHSR24B3D	FSHSR36B3D
SEER2	20	18	21	19.5	20
HSPF2	9	8.5	9.8	8.5	8.4
EER2	12.5	10.2	12.0	10.6	9.5

- **FastPro®** technology (not available on FAHSW36A3D)
  - Easiest to maintenance
  - Easiest to repair
- Built-in Wi-Fi
- Built-in base pan heater
- -5°F low ambient heating
- 115V and 208/230V models available



Outdoor

9

12

18

24

36

Wall-mounted

9

12

18

24

36



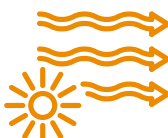
9 & 18 kBTU models only



5–118°F



R-32




-5–75°F

# Pro Series Wall-mounted




Cold Climate


Indoor Model	FAHSW09A1C	FAHSW12A1C	FAHFW09A3D	FAHFW12A3D	FAHFW18A3D	FAHFW24A3D
Outdoor Model	FPHSR09A1C	FPHSR12A1C	FPHSR09A3D	FPHSR12A3D	FPHSR18A3D	FPHSR24A3D
SEER2	23	22	25	23	21	22.5
HSPF2	10	9.5	11	10	10	9.5
EER2	12.25	12.25	13.65	12.25	12.95	12.25




All models




R-454B



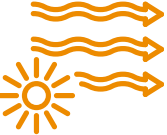
5–118°F



All models






Eligible for federal tax credits



-13–75°F


- **FastPro®** technology
  - Easiest to maintenance
  - Easiest to repair
- ENERGY STAR® and ENERGY STAR® Cold Climate
- High efficiency
- Built-in base pan heater
- -13°F low ambient (~40% capacity)
- Built-in Wi-Fi





Outdoor

9121824



Wall-mounted

9121824

# Pro X Series Wall-mounted

Indoor Model	FAHFW09A3D	FAHFW12A3D	FAHFW18A3D	FAHFW24A3D
Outdoor Model	FPHFR09A3D	FPHFR12A3D	FPHFR18A3D	FPHFR24A3D
SEER2	22	22	21	21
HSPF2	10.5	10.5	10	10
EER2	12.0	12.0	12.0	12.0

- **FastPro®** technology
  - Easiest to maintenance
  - Easiest to repair
- ENERGY STAR® and ENERGY STAR® Cold Climate
- High efficiency
- Built-in Wi-Fi
- Built-in base pan heater
- Low ambient heating – down to -22°F
  - 100% at 5°F
  - 80% at -5°F
  - ~70% at -13°F



Outdoor

9 12 18 24



Wall-mounted

9 12 18 24



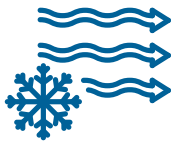
Cold Climate



All models



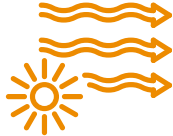
R-454B



5–125°F



All models Eligible for federal -22–75°F tax credits




# Pro X Series Ceiling Cassette




Indoor Model	FPHFC09A3D	FPHFC12A3D	FPHFC18A3D	FPHFC24A3D	FPHSC36A3D
Outdoor Model	FPHFR09A3D	FPHFR12A3D	FPHFR18A3D	FPHFR24A3D	FPHFR36A3D
SEER2	20	20	20	20	19.5
HSPF2	9.5	9.5	10	10.5	9.5
EER2	12	12	12	12	12


- Built-in Wi-Fi
- ENERGY STAR® and ENERGY STAR® Cold Climate
- Built-in base pan heater
- Low ambient heating – down to -22°F
  - 100% at 5°F
  - 80% at -5°F
  - ~70% at -13°F




All models




R-454B



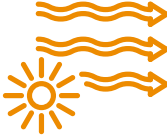
5–125°F



All models



Eligible for federal tax credits



-22–75°F



# Pro X Series The Insider® Concealed Ducted



Cold Climate

Indoor Model	FPHFD09A3D	FPHFD12A3D	FPHFD18A3D	FPHFD24A3D	FPHSD36A3D
Outdoor Model	FPHFR09A3D	FPHFR12A3D	FPHFR18A3D	FPHFR24A3D	FPHFR36A3D
SEER2	19.5	19.5	19	19	18.5
HSPF2	9.5	9.5	9	9.5	9
EER2	11.7	11.71	11.69	11.71	11.7



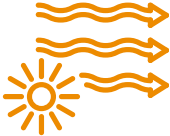
All models



R-454B

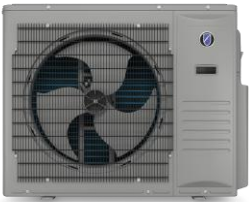


5–125°F

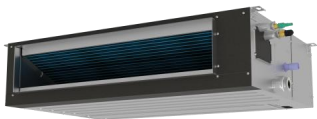


All models Eligible for federal -22–75°F tax credits

- Built-in base pan heat
- Low ambient heating – down to -22°F
  - 100% at 5°F
  - 80% at -5°F
  - ~70% at -13°F
- .4 W.G. Static pressure
- Built-in drain / lift pump
- Automatic static pressure detection
- Max. pipe length up to 165'



Outdoor



Concealed

9	12	18	24	36	9	12	18	24	36
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# Pro X Series Air Handler



Cold Climate

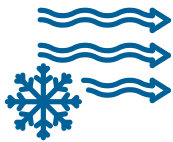
Indoor Model	FPHFA18A3D	FPHFA24A3D
Outdoor Model	FPHFR18A3D	FPHFR24A3D
SEER2	Up to 19.0	Up to 19.0
HSPF2	Up to 9.4	Up to 9.4



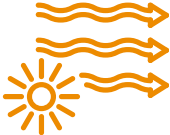
All models



R-454B

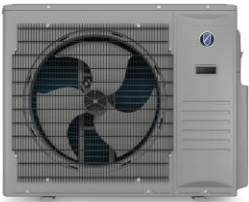


5–125°F



All models Eligible for federal -13–75°F tax credits

- ENERGY STAR® and ENERGY STAR® Cold Climate
- High efficiency
- Low ambient heating – down to -13°F
  - 100% at 5°F
  - 80% at -5°F
  - ~70% at -13°F



Outdoor

18 27 36 42



AHU

18 24

# Pro X Series Multi-zone Outdoor



Cold Climate

Outdoor model	FPHMR18A3D	FPHMR27A3D	FPHFR36A3D	FPHMR42A3D
SEER2	22	23	22	22
HSPF2	10	10	10	9.5
EER2	13.3	12.85	12.85	12

- High-efficiency inverter
- Up to 23 SEER2
- Built-in troubleshooter
- Built-in base pan heater
  - 100% @ 5°F
  - ~40% @ -13°F
- Up to 262' max. pipe length
- Flexible installation



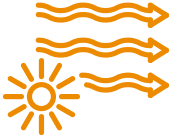
All models



R-454B



5-125°F



All models Eligible for federal -13-75°F tax credits



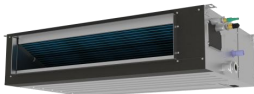
Outdoor



Wall-mounted



Cassette



Concealed



AHU

Pro X Multi-zone

18 27 36 42

7 9 12 18 24

9 12 18 24

9 12 18 24 36

18 24

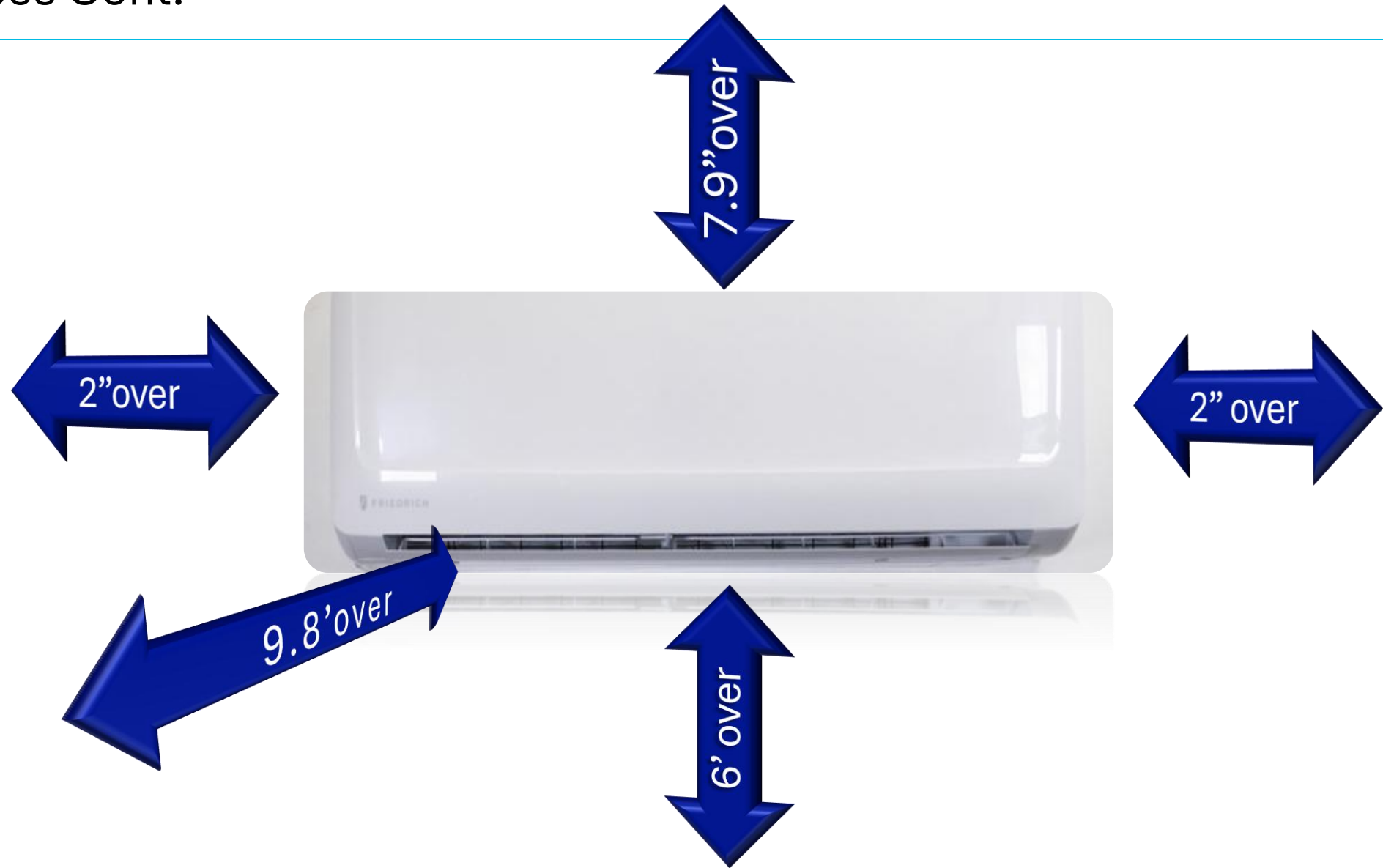


# FRIEDRICH



## 2025 MINI SPLIT LINE APPLICATION AND BEST PRACTICES

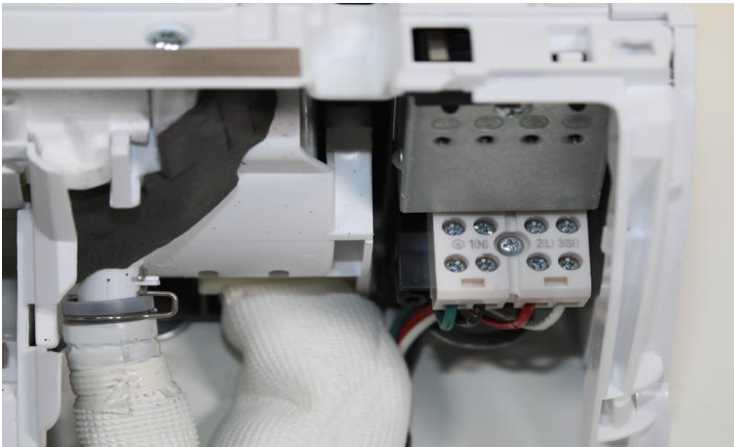
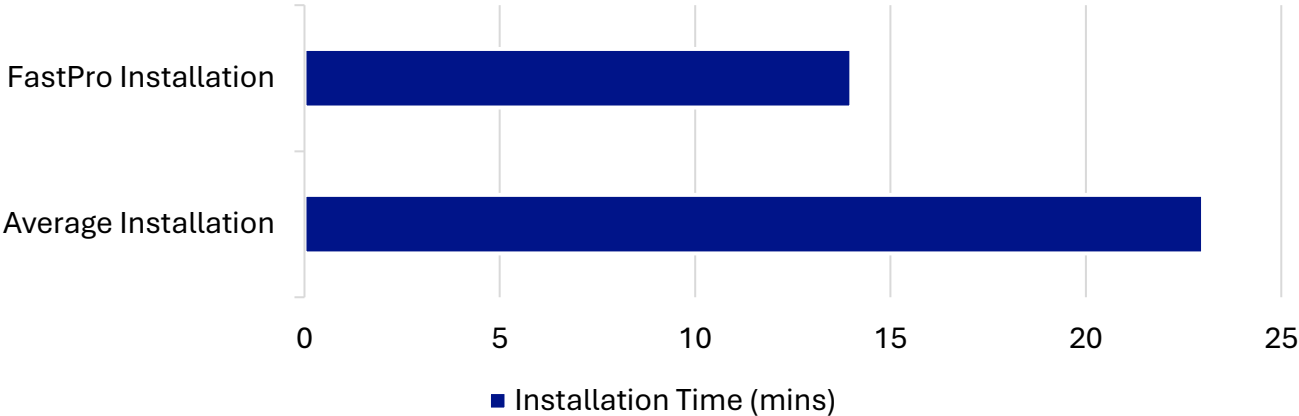
## Clearances Cont.



# FastPro™ Easy Installation

40%  
Faster Installation

Installation Time



More space to wire



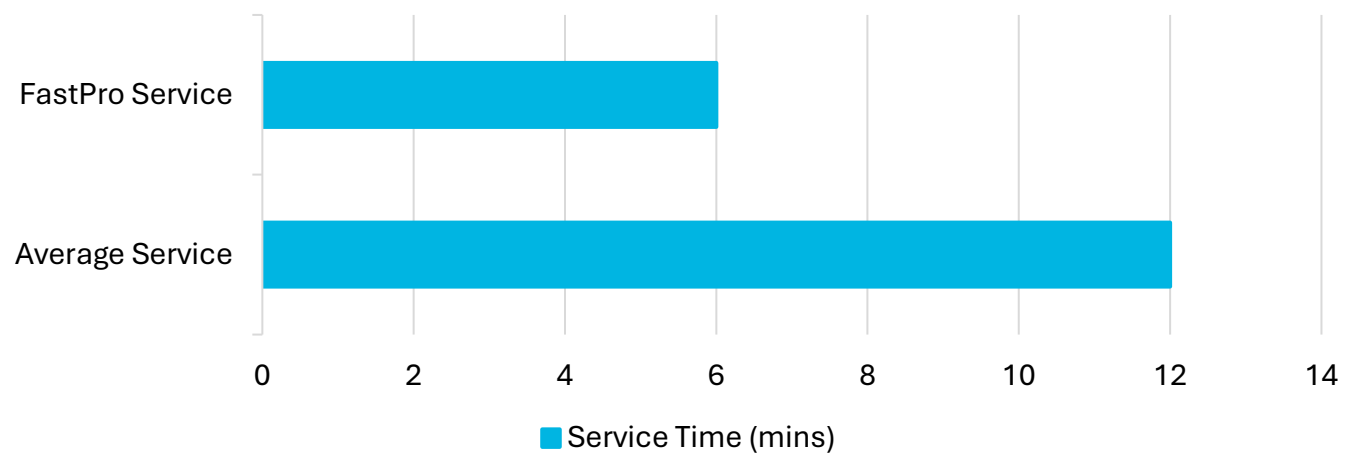
Easier access to pipe



# FastPro™ Easy Service

50%  
Faster Service

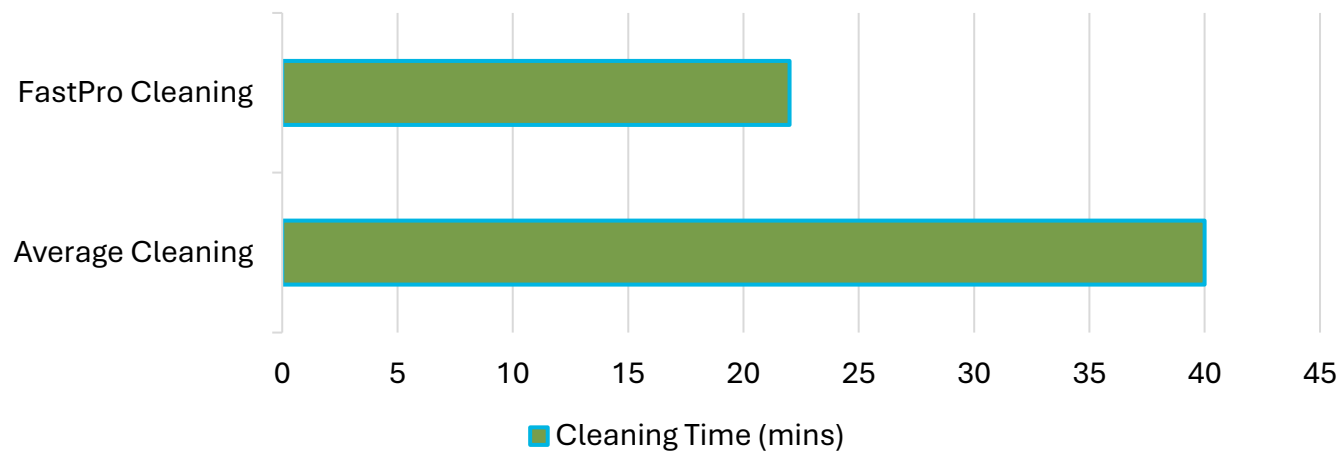
Service Time



# 0 *FastPro*<sup>™</sup> Easy to Clean

45%  
Faster Cleaning

Cleaning Time



Removable & Washable  
Filter Screens, Panels, and Components

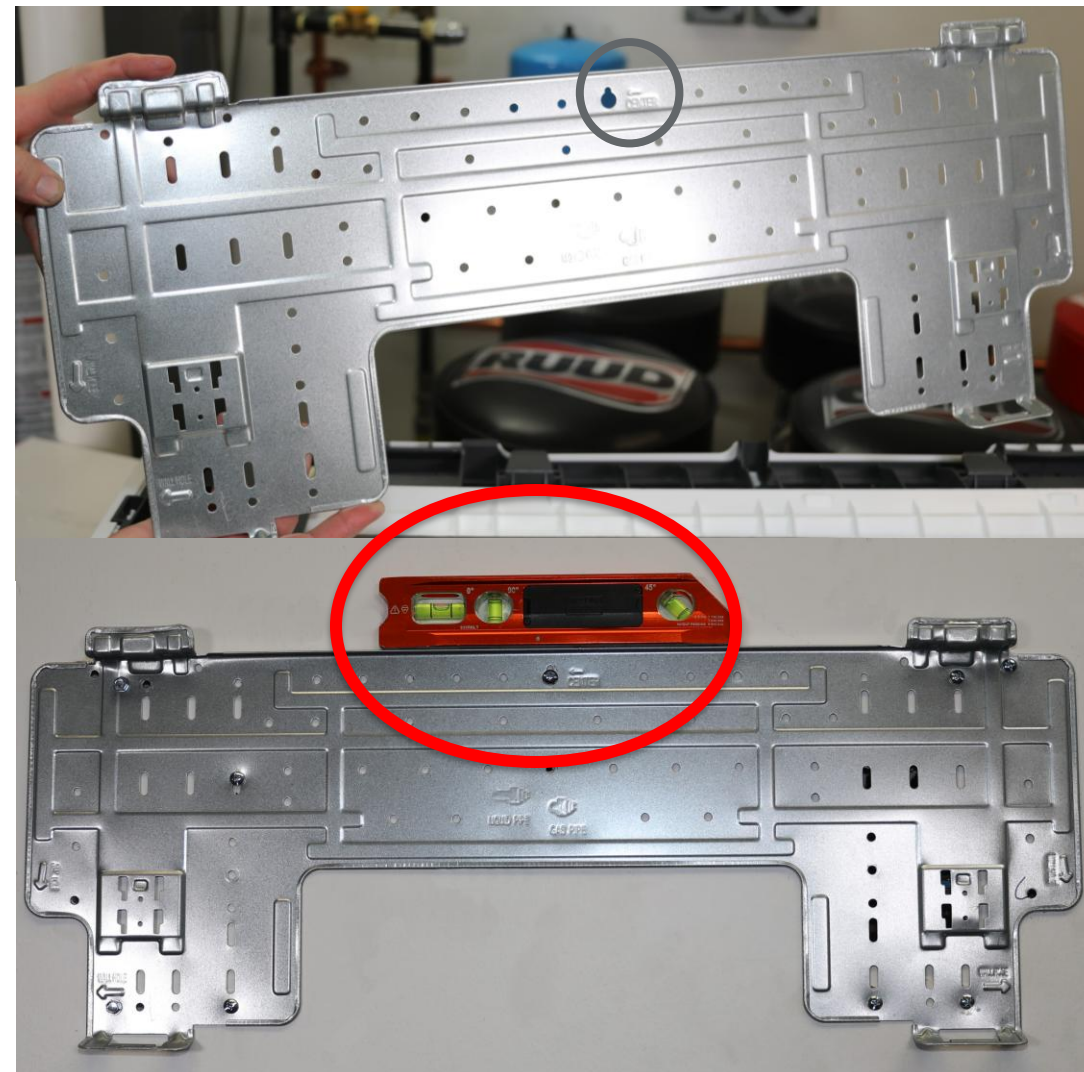


# Wall Plate Rough-In



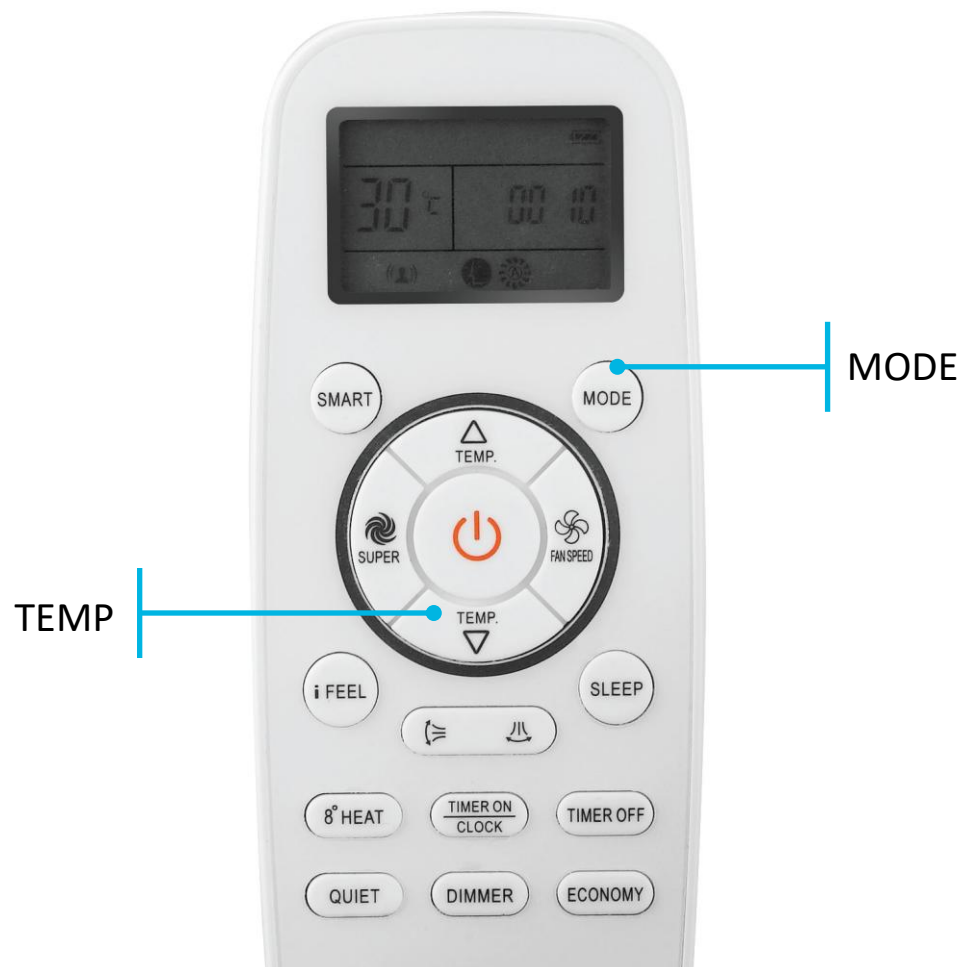
# General Wall Mount & Console Installation

- Determine the correct location for mounting the wall bracket.
- Use the center opening to install a set screw that will hold the bracket in place.
- Ensure the bracket is level.
- Secure the bracket to the wall at the four marked locations with arrows.
- Additional screws or anchors can be added as necessary for extra support.



# Changing Default Units: °C to °F

- Remote control comes default set to Celsius (°C).
- To change the units to Fahrenheit (°F), simultaneously hold Mode and Temp own for 3 seconds





# Remote Control

## SMART(invalid for multi system)

Used to enter fuzzy logic operation directly, regardless of the unit is on or off.

## POWER

The appliance will be started when it is energized or will be stopped when it is in operation, if you press this button.

## SUPER

Used to start or stop the fast cooling/heating. (Fast cooling operates at high fan speed with 16°C (61°F) set temp automatically ; Fast heating operates at auto fan speed with 30°C (86°F) set temp automatically)

## IFEEL

Used to set IFEEL mode operation. Press it once, the IFEEL function will be started. Press it again, the IFEEL function will be shut off.

## SWING

Used to stop or start vertical adjustment louver swinging and set the desired up/down airflow direction.

## 8 HEAT(optional)

Used to set 8 HEAT Mode.

## QUIET

Used to set or cancel Quiet Mode operation.



## TEMP + -

Used to adjust the room temperature and the timer, also real time.

## MODE

Press this button to select the operation mode.

## FAN

Used to select fan speed in sequence auto, higher, high, medium, low and lower.

## SLEEP

Used to set or cancel Sleep Mode operation.

## SWING

Used to stop or start Horizontal adjustment louver swinging and set the desired left/right airflow direction.

## TIMER ON/CLOCK

Used to set or cancel the timer operation and used to set the current time.

## TIMER OFF

Used to set or cancel the timer operation.

## ECONOMY

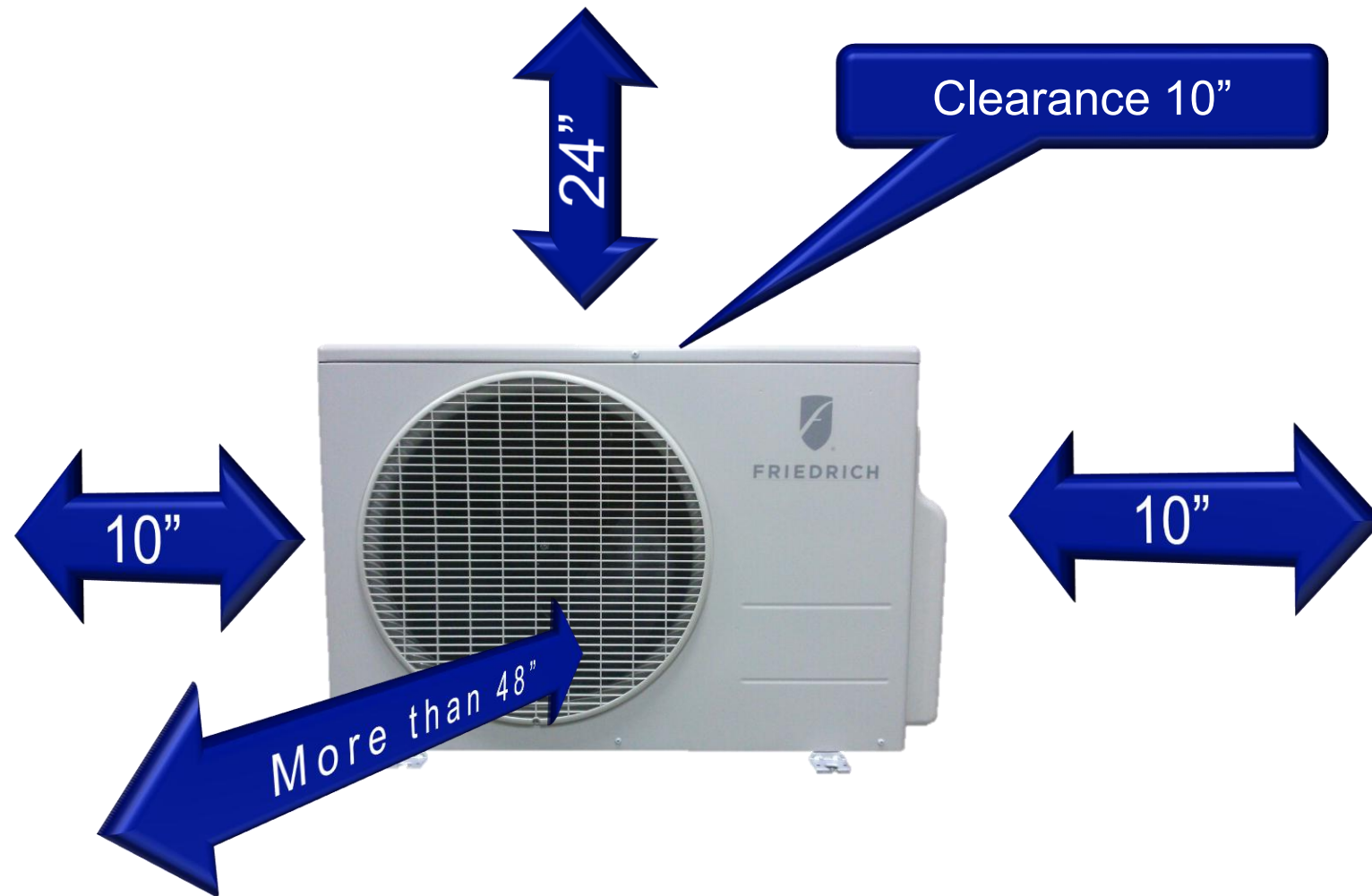
Used to set or cancel Economy Mode operation.

## DIMMER

When you press this button, all the display of indoor unit will be closed. Press any button to resume display.



# Clearances



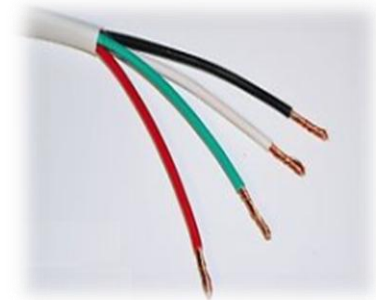
# Line Sets & Wiring

## Line Set

- Both lines insulated
- Closed cell insulation

## Power/ Communication Wire

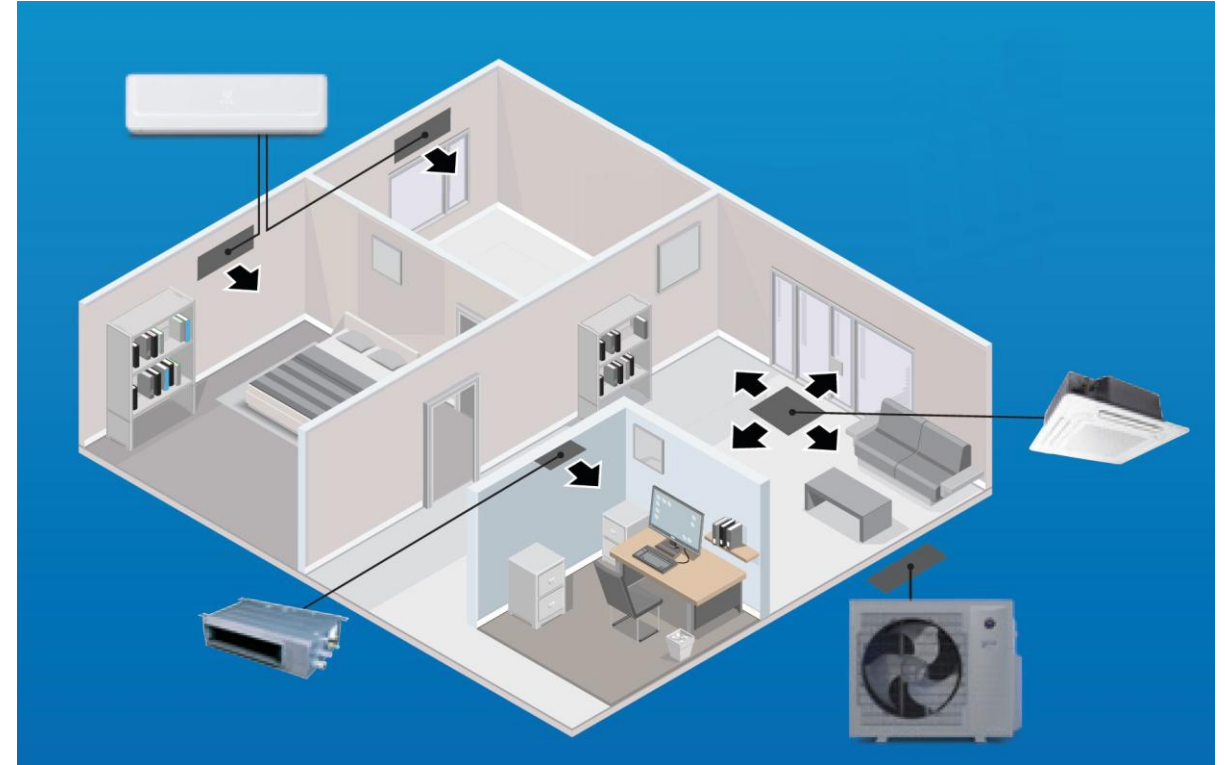
- 600V Rated, 14 Gauge, 4 Wires.
- 3 Conductors, 1 Ground.
- Stranded (THHN).
- Armored if required by local code.
- Shielded is preferable, but a must if running close or near other electronics
  - Near Neon signs
  - In plenums
  - Near TV's or Radio's
  - Near Fluorescent Lights (Ballasts)





# Wiring - Power & Communication Connections

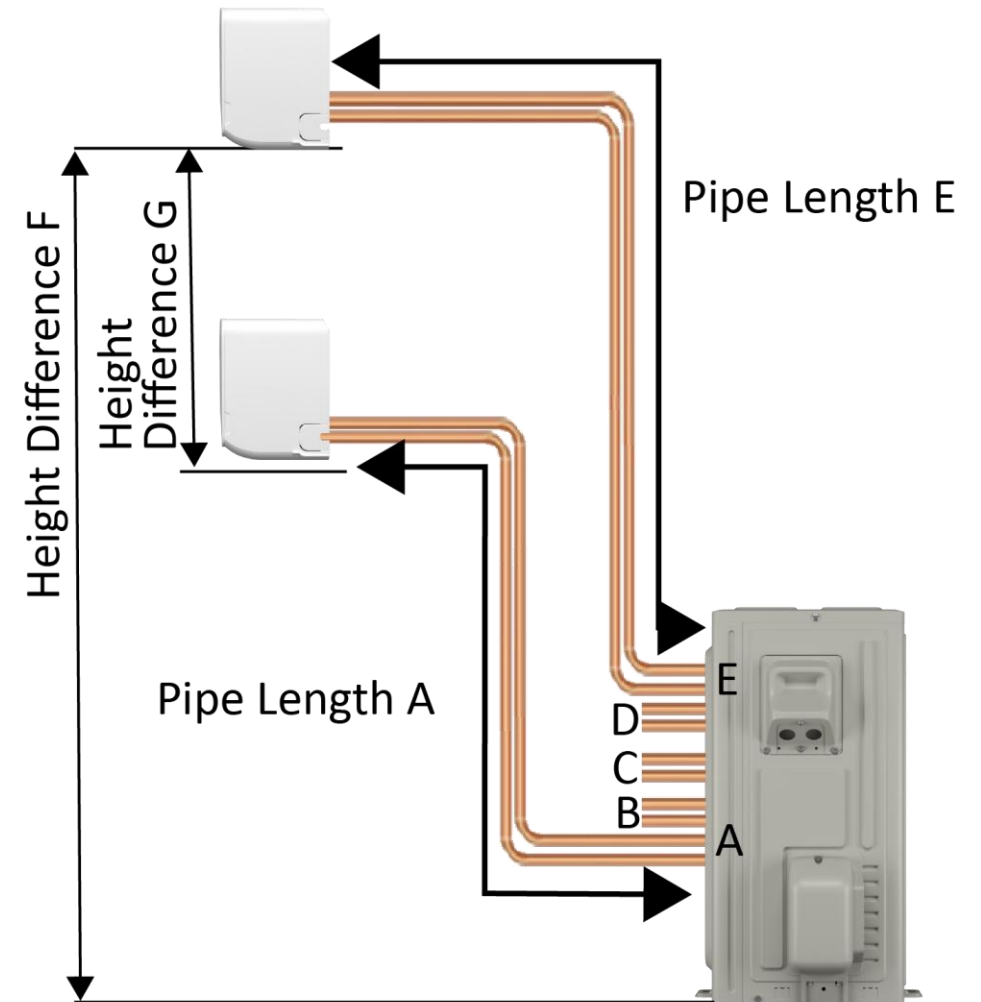
- The outdoor unit provides power to all indoor units.
- Do not use an alternate power source for the indoor units.
- Using a different power source may cause erratic or unpredictable system behavior.
- Ensure proper grounding of line voltage at both the ODU and IDUs.



# Refrigerant Piping – Length & Vertical Separation

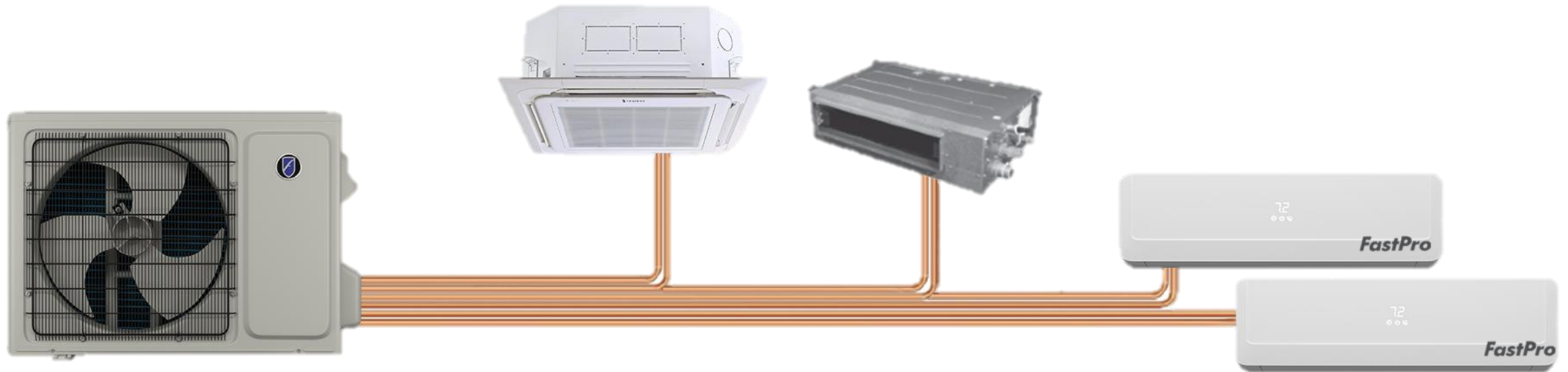
- Ensure refrigerant line set meets all the following requirements
  - Pipe size
  - Max pipe length
  - Max pipe height
  - Min pipe length
- Follow all procedures discussed in the refrigerant piping portion of this course

Item		Model	18k	24k	36k	42k
Piping To Each Indoor Unit (A/B/C/D/E)	Ft.		≤82	≤65	≤65	≤65
Total Length of Piping Between All Units	Ft.		A+B≤164	A+B=C≤197	A+B+C+D≤246	A+B+C+D+E≤262
Max Height Difference Between Indoor Unit & Outdoor Unit (F)	Ft.		≤49			
Max Height Difference Between Indoor Units (G)	Ft.		≤25			



# Refrigerant Piping – Multi-Zone Cont.

- Multi-zone piping requirements
- Refrigerant piping and electrical must be home runs from indoor unit to outdoor unit







# FRIEDRICH

## *BREEZE*<sup>™</sup>

THE UNIVERSAL HEAT PUMP



### 2025 BREEZE PRODUCT LINE

## THE Universal Heat Pump

Breeze™ is the easiest way to upgrade from traditional ducted unitary HVAC equipment to an efficient, state-of-the-art, inverter heat pump system.

The unique design integrates into existing ductwork and is even universally compatible with existing air handlers, gas or electric furnaces, and most 24v thermostats or BMS.



Images are representations actual product may differ

# Friedrich® Breeze™ Fast Features¹

## Cooling & Heating Efficiencies Up To:

- Premier – 19.0 SEER2 / 11.7 EER2 / 10 HSPF2
- Select – 18.0 SEER2 / 10.0 EER2 / 9.0 HSPF2

**Nominal Sizes:** 2 to 4 Tons (Premier), 2 to 5 Tons (Select)

**Sound Rating:** As low as 35 dB(A)

**Compressor Type:** Rotary Inverter

**ENERGY STAR® Certified:** Yes (Premier only)

**ENERGY STAR® Certified Cold Climate:** Yes (excl. Select 3 & 5T)

## Operating Range:

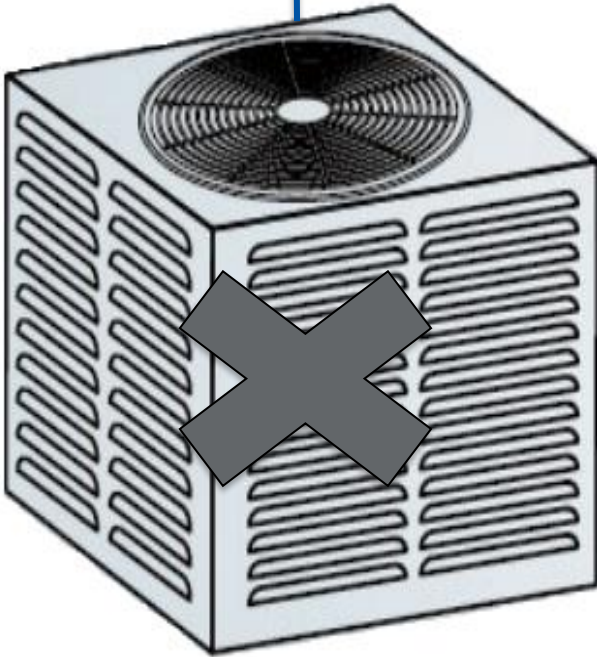
- Premier – Cooling: 5–125°F Heating: -22–75°F
- Select – Cooling: 5–115°F Heating: -4–75°F

**Refrigerant Type:** R-454B

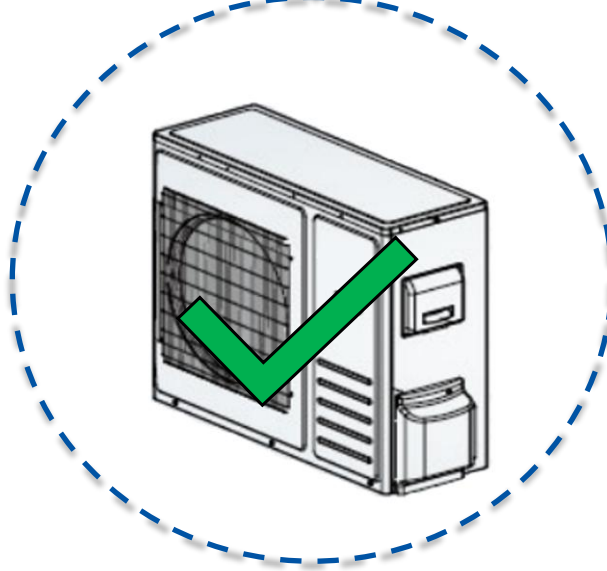


# Friedrich Breeze™

Replaced With



Traditional Top  
Discharge



Breeze™ Universal  
Heat Pump

## Universal Application

- Any brand (Match coil capacity)
- Non-Communicating
- Modulating outdoor
- No AHRI certification
- Economic incentives limited to Energy savings

OR

## Matched System (Friedrich Air Handler)

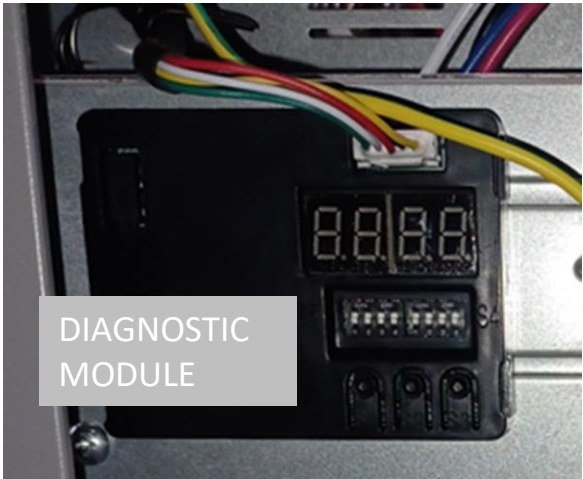
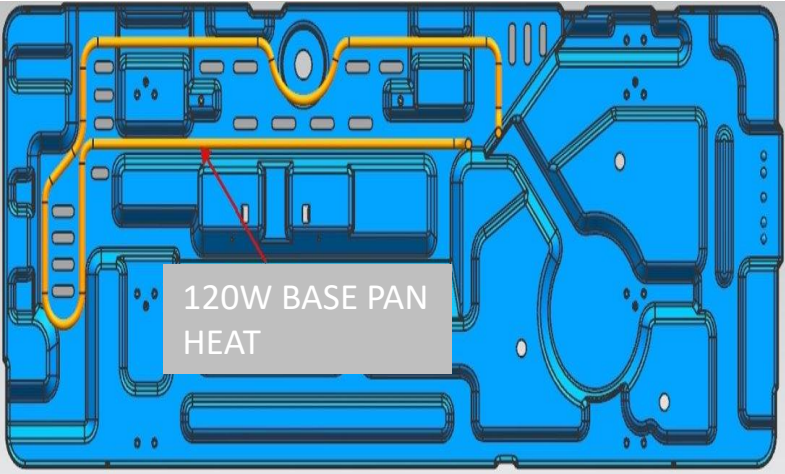
- Communicating
- Variable speed AHU
- Modulating outdoor
- Rebates
  - E-STAR rebates
  - 25c rebates
  - Municipal Rebates



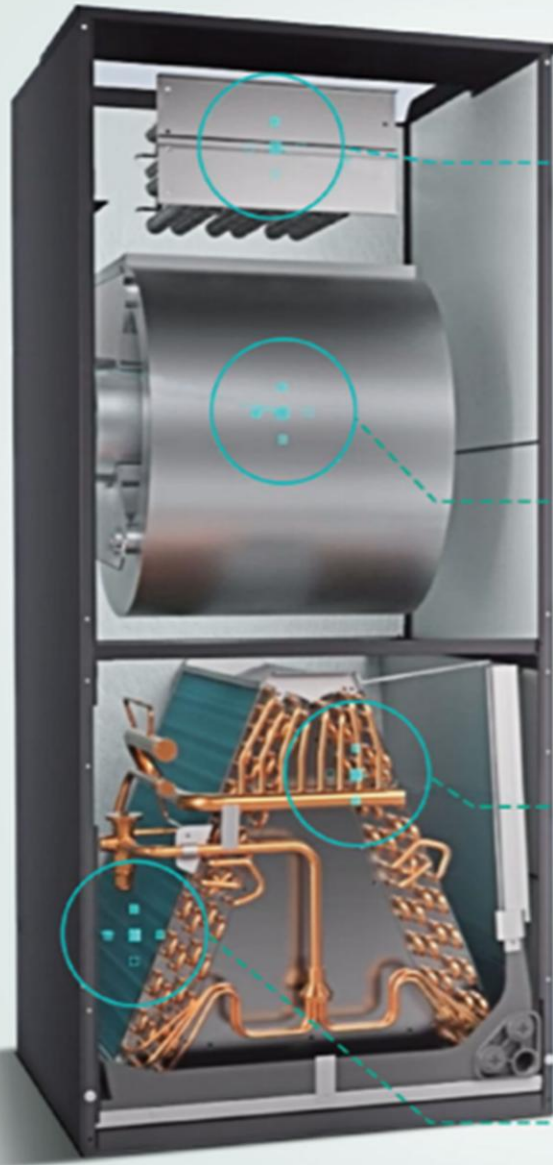


# Breeze UHP

**Built-in Base Pan Heat, Crankcase Heat & Diagnostic Checker Module.**



# Indoor Air Handler



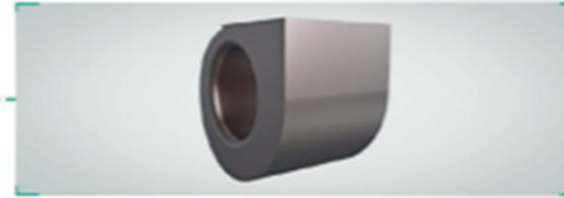
## Electric Heater

Optional electric heater(5KW~20KW).



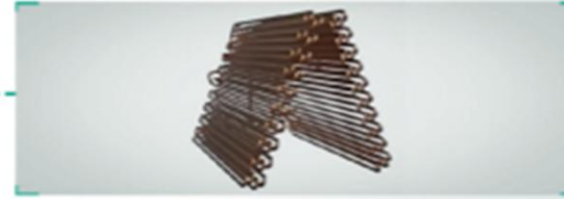
## ECM Motor

Better waterproof protection variable speed ECM motors.



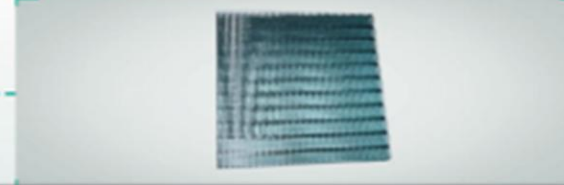
## 100% Copper Pipe

Better heat exchange by 100% copper tube



## FIN Structure

Better heat exchange by specific fin structure.



## Leakage Detection

Before installing the machine , use tool and press the part as the picture shown left to release the nitrogen from the evaporator coil . If no nitrogen release, the unit with leakage problem.



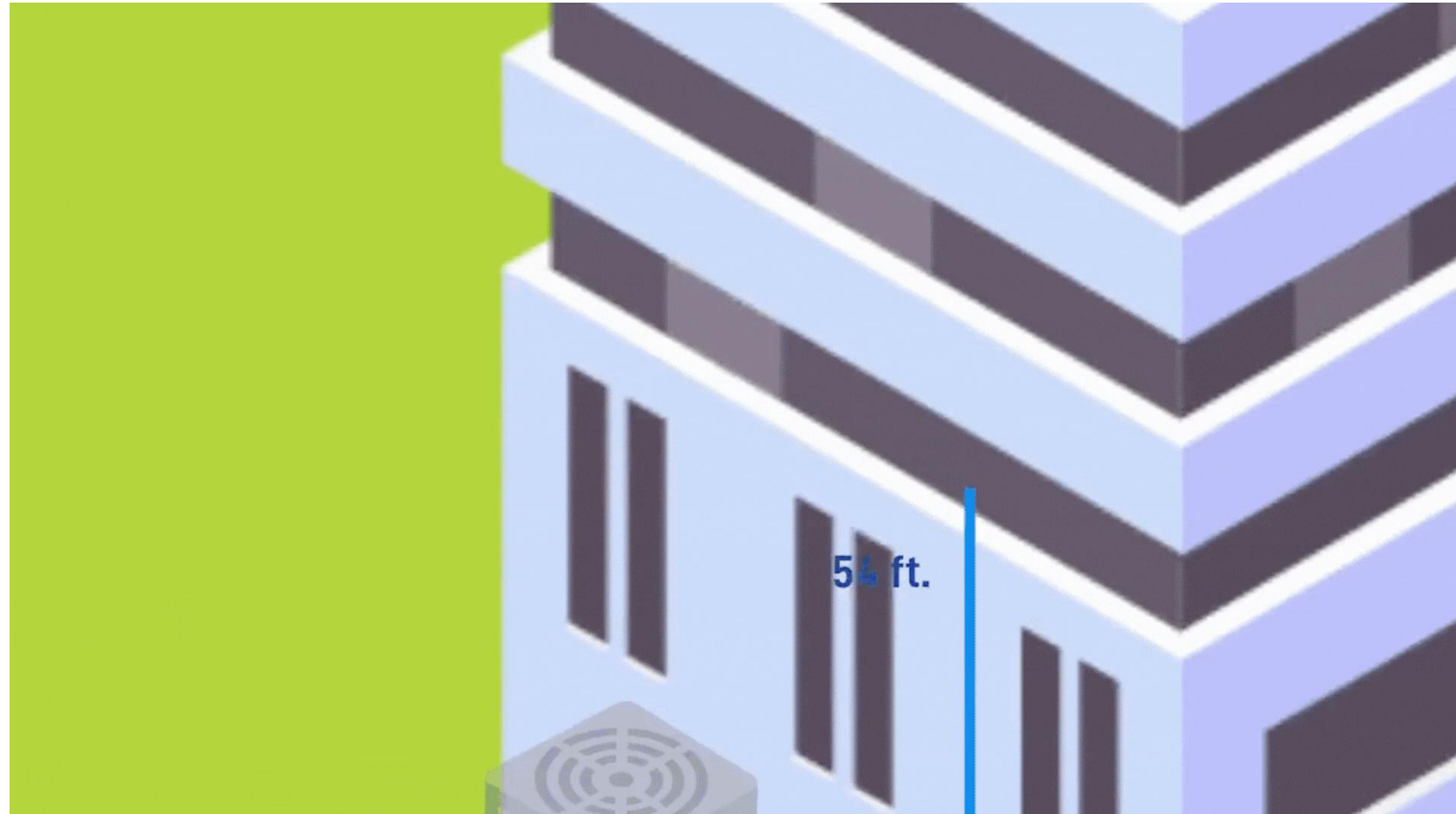
## Multi Positioning Installation

Multi positioning installation is able to fit in different type of projects and room structures.



# Accommodate Long Line Sets

Breeze's high-performance compressor is capable of accommodating line sets spanning impressive distances of up to Premier 246 feet / Select 131 feet and height differentials of up to 98 feet ensuring that Breeze can effectively serve even the most sprawling layouts and multi-story structures with ease.



# FRIEDRICH BREEZE™ Select



**2 Ton**  
**WFPU17Y243D**  
**18 SEER2**



**3 Ton**  
**WFPU17Y363D**  
**17.5 SEER2**



**4 Ton**  
**WFPU17Y483D**  
**18 SEER2**



**5 Ton**  
**WFPU17Y603D**  
**17 SEER2**

- 2-4T meeting Path A of CEE 25C
- Compatible with 24v thermostats and Thermosmart SWTR1B
- Precision inverter
- 3rd party coils (will be in process)
- Up to 18 SEER2
- Heating down to -4f
- Built-in Base Pan Heater
- Heater Kits available 5KWA-20KWA



**2 Ton**  
**WFH24Y193D**  
**18 SEER2**



**4 Ton**  
**WFH48Y223D**  
**18 SEER2**

**3 Ton**  
**WFH36Y193D**  
**17.5 SEER2**

**5 Ton**  
**WFH60Y223D**  
**17 SEER2**

# FRIEDRICH BREEZE™ Premier



**2 Ton**  
**FPHFR24A3D**



**3 Ton**  
**FPHFR36A3D**



**4 Ton**  
**FPHFR48A3D**



**2 Ton**  
**FPHFA24A3D**



**3 Ton**  
**FPHFA36A3D**

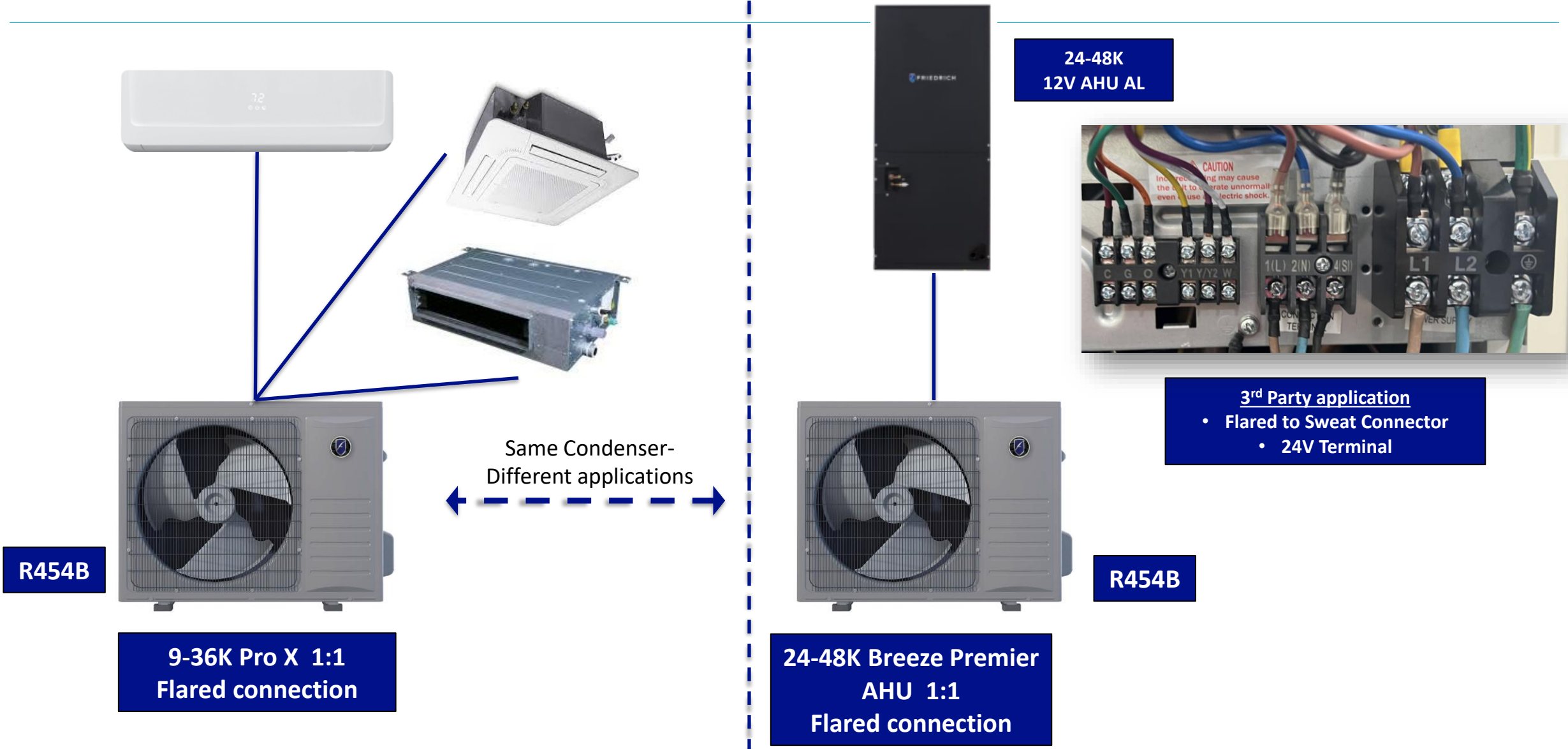


**4 Ton**  
**FPHFA48A3D**

- 2-4T meeting Path A of CEE 25C
- Energy Star and Energy Star Cold Climate
- 19 SEER2
- Compatible with 24V Thermostat and Thermosmart SRTB1
- Precision inverter
- 3rd party coils (will be in process)
- Heater Kits available 5KW-20KW
- Works with any 24V thermostat



# Pro X – Breeze Premier

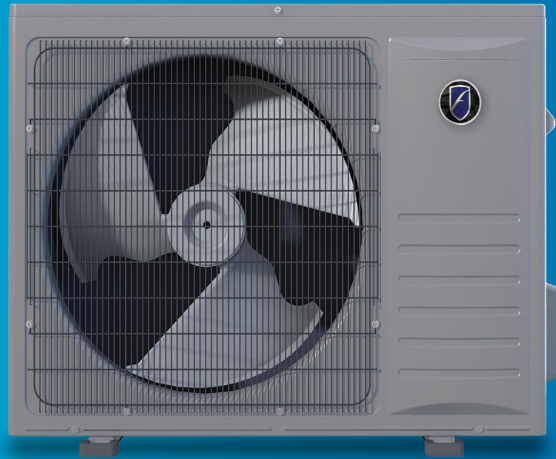


**BREEZE™**  
THE UNIVERSAL HEAT PUMP



# BREEZE™

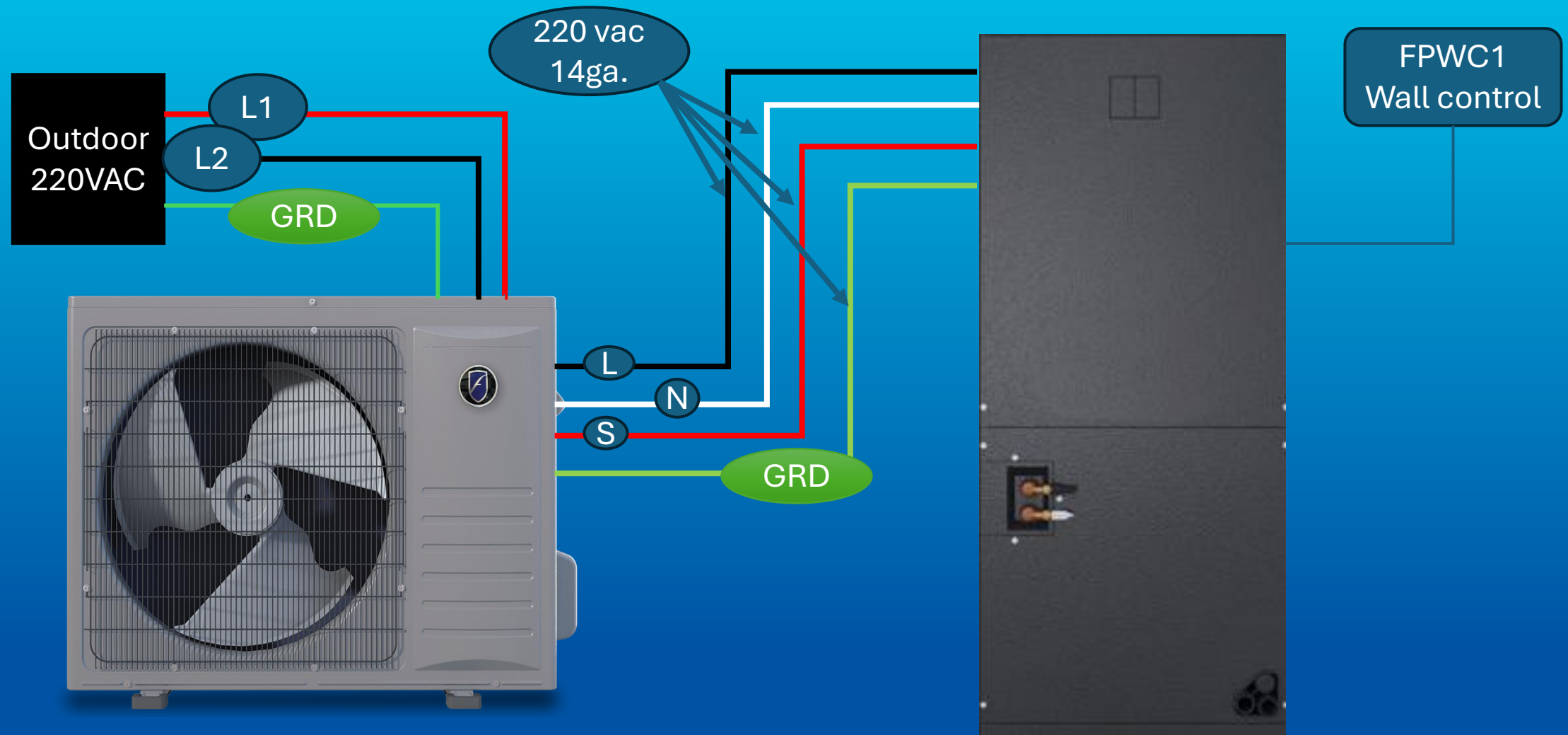
THE UNIVERSAL HEAT PUMP



**Control Wiring Diagrams**  
**A2L Models**

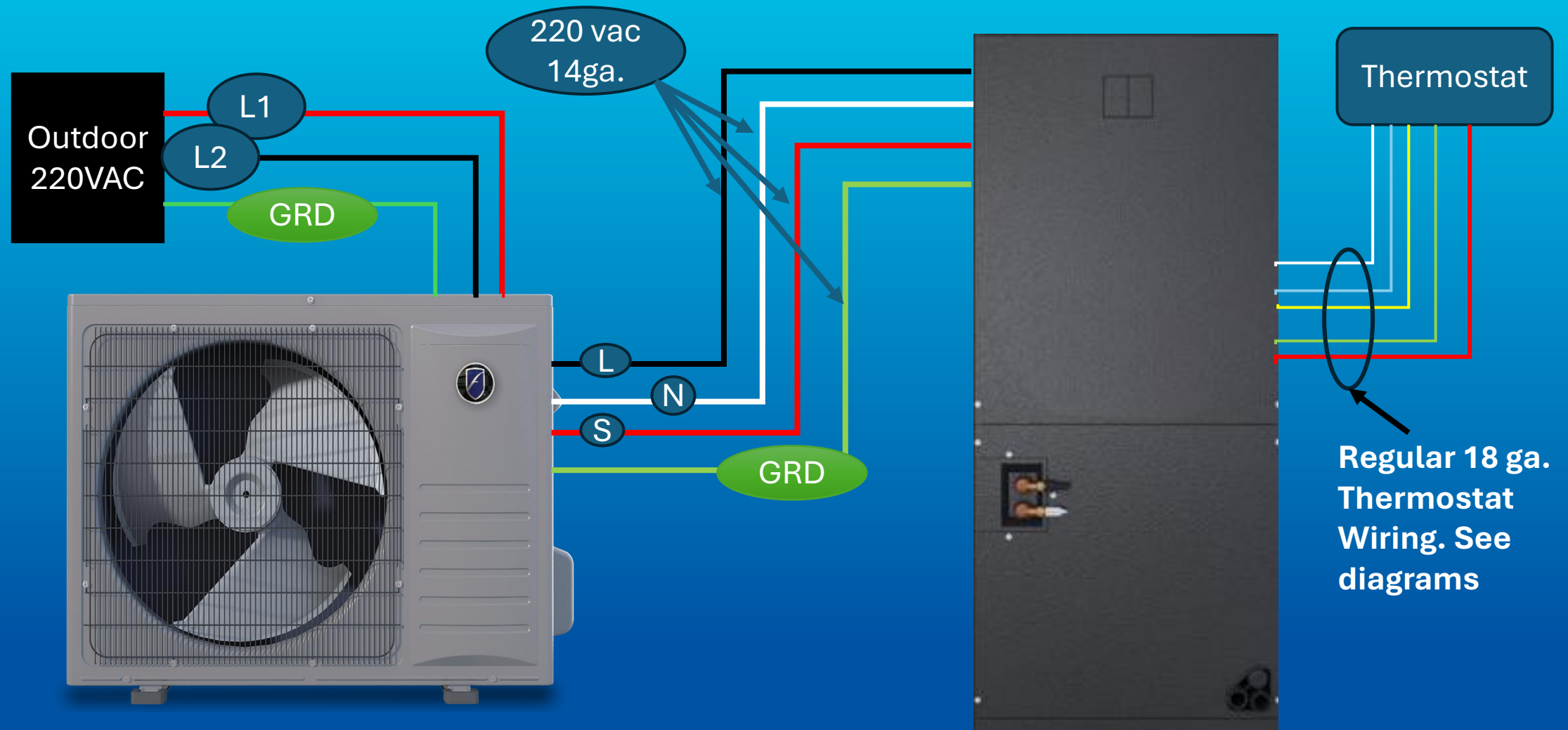






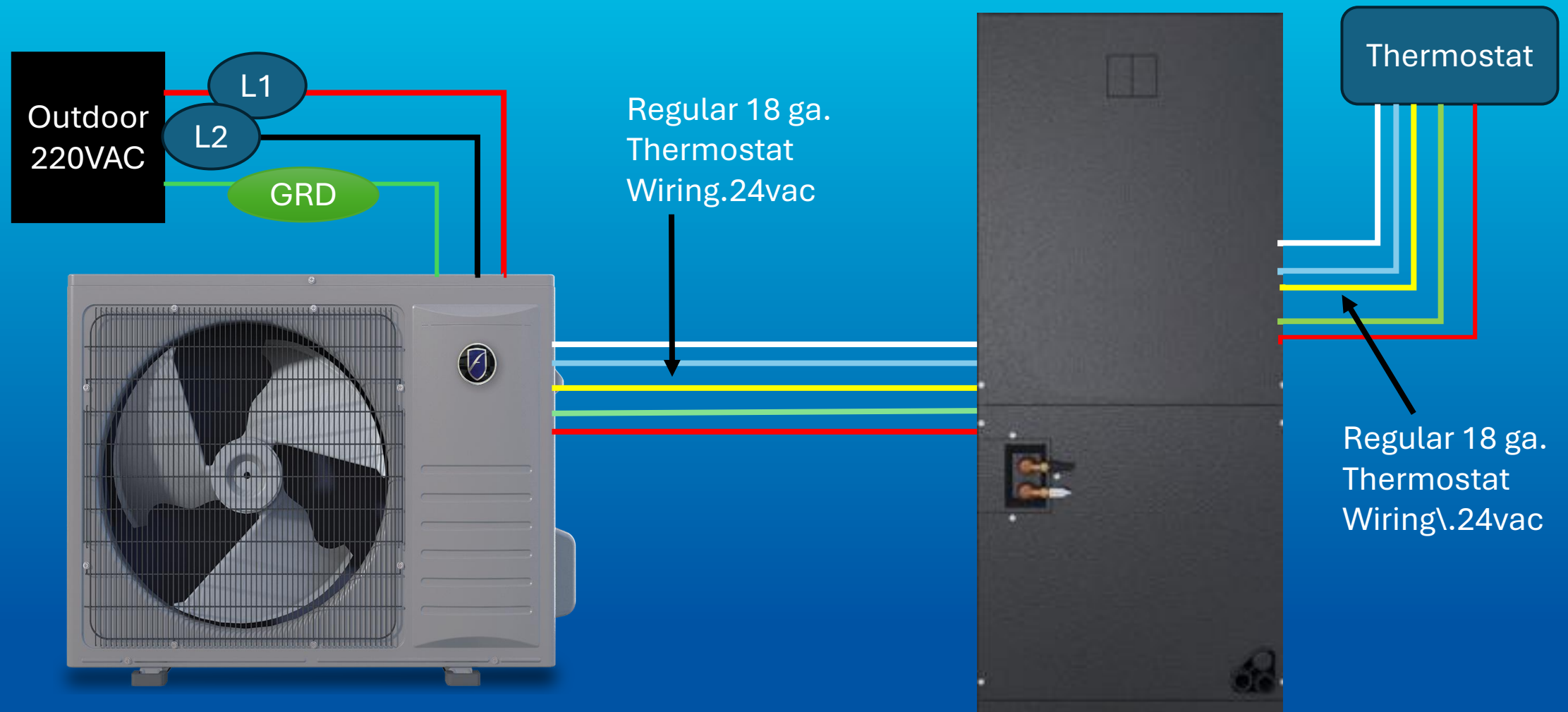
Outdoor unit will power the indoor unit. (no elec. strips)  
Provides a Complete Communicating System when FPWC1 wall controller is used.  
Great replacement for indoor gas furnace with no 220vac indoors

# High and Low Voltage Wiring Breeze Premier



Outdoor unit will power the indoor unit. (no elec. strips)  
Use conventional Heatpump wall thermostat. (non communicating)  
Great replacement for indoor gas furnace with no 220vac indoors

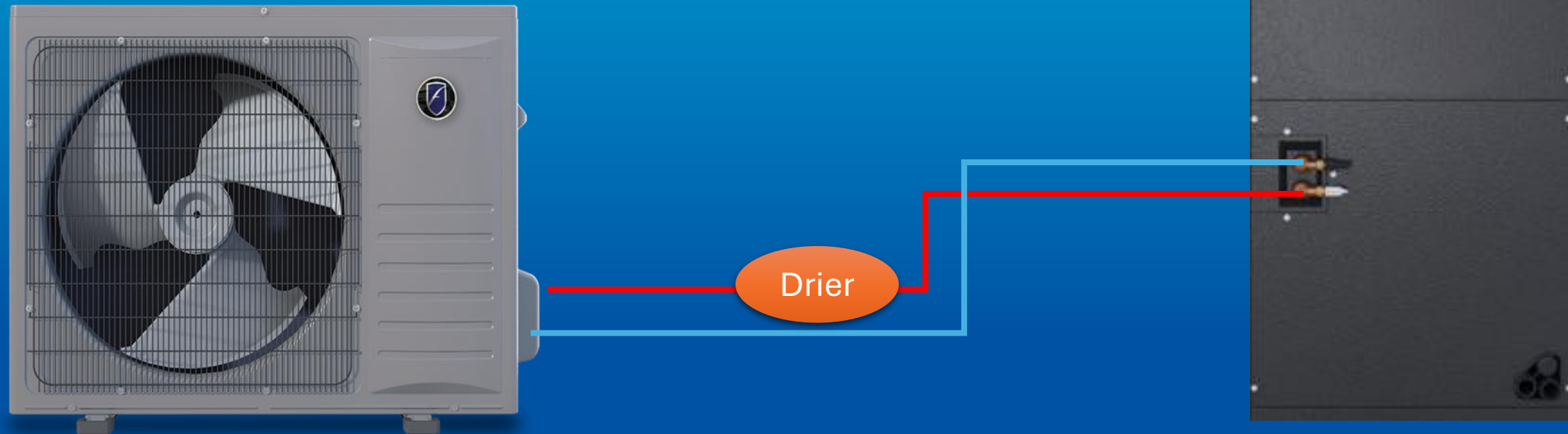
# High and Low Voltage Wiring Breeze Premier



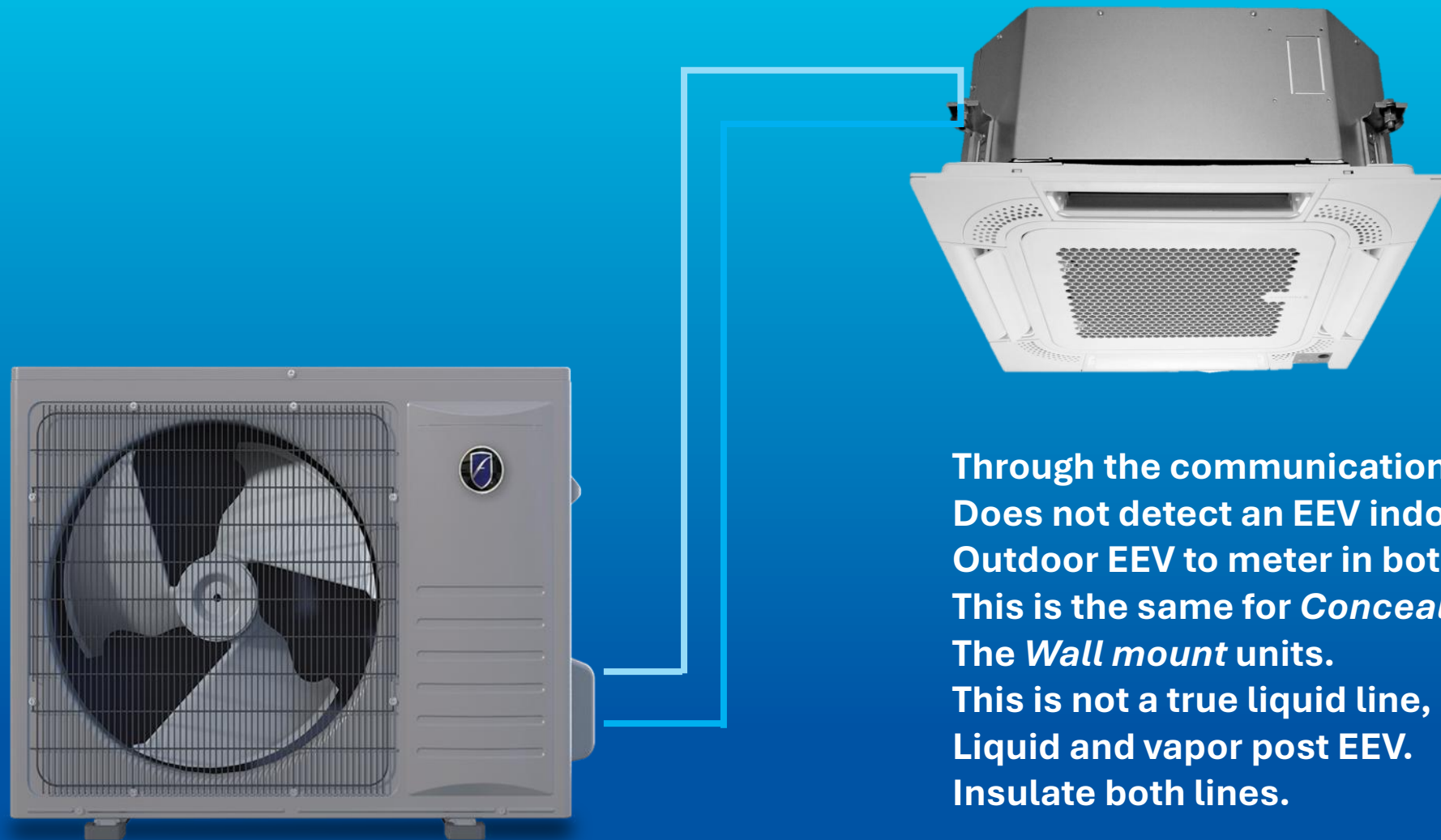
Outdoor unit will power the indoor unit. (no elec. strips)  
Use conventional Heatpump wall thermostat.  
See all Diagrams in the Service Manual and Quickstart.

# Non-Breeze A/H Non-communicating Breeze Premier

Utilizes a true liquid and suction line.  
Outdoor metering device will open fully and utilize  
Indoor EEV.  
Insulate both lines as unit can be used in both  
Indoor EEV operation or outdoor EEV. Operation.  
**Liquid Drier** utilized on LRG A/H only.



**Refrigerant Diagram – Full Size A/H Breeze Premiere**



Through the communication cable the system Does not detect an EEV indoors and utilizes the Outdoor EEV to meter in both Heat and Cool. This is the same for *Concealed Ducted* and *The Wall mount* units. This is not a true liquid line, a low-pressure mix of Liquid and vapor post EEV. Insulate both lines.

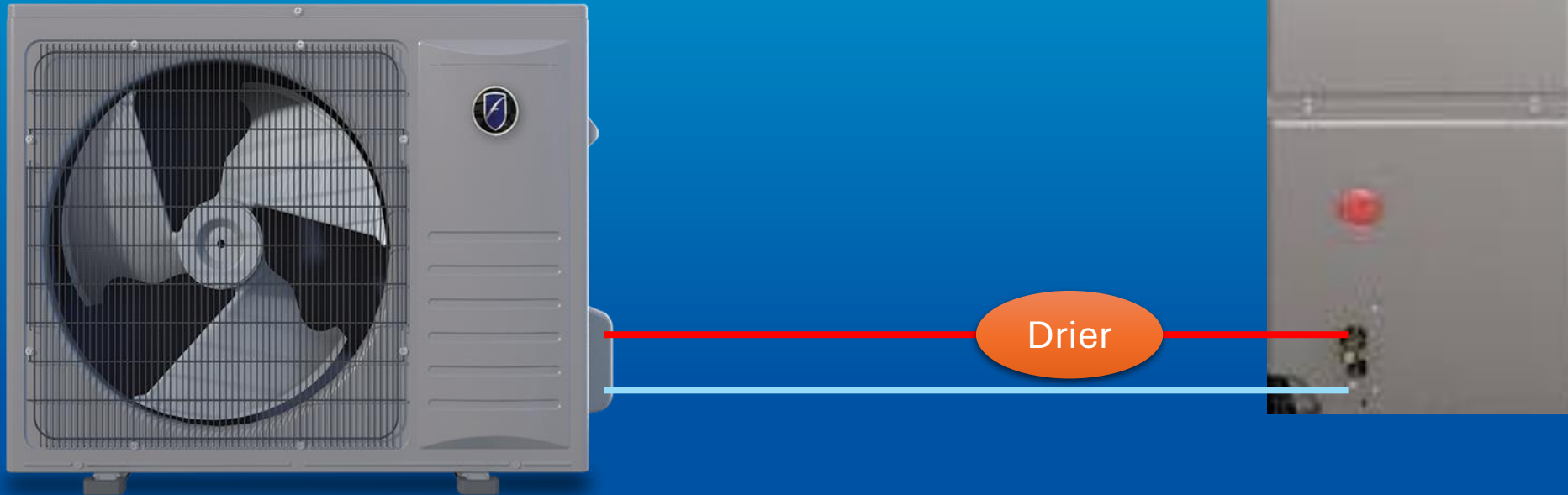
## Refrigeration Diagram for Cassett and Ducted Pro X



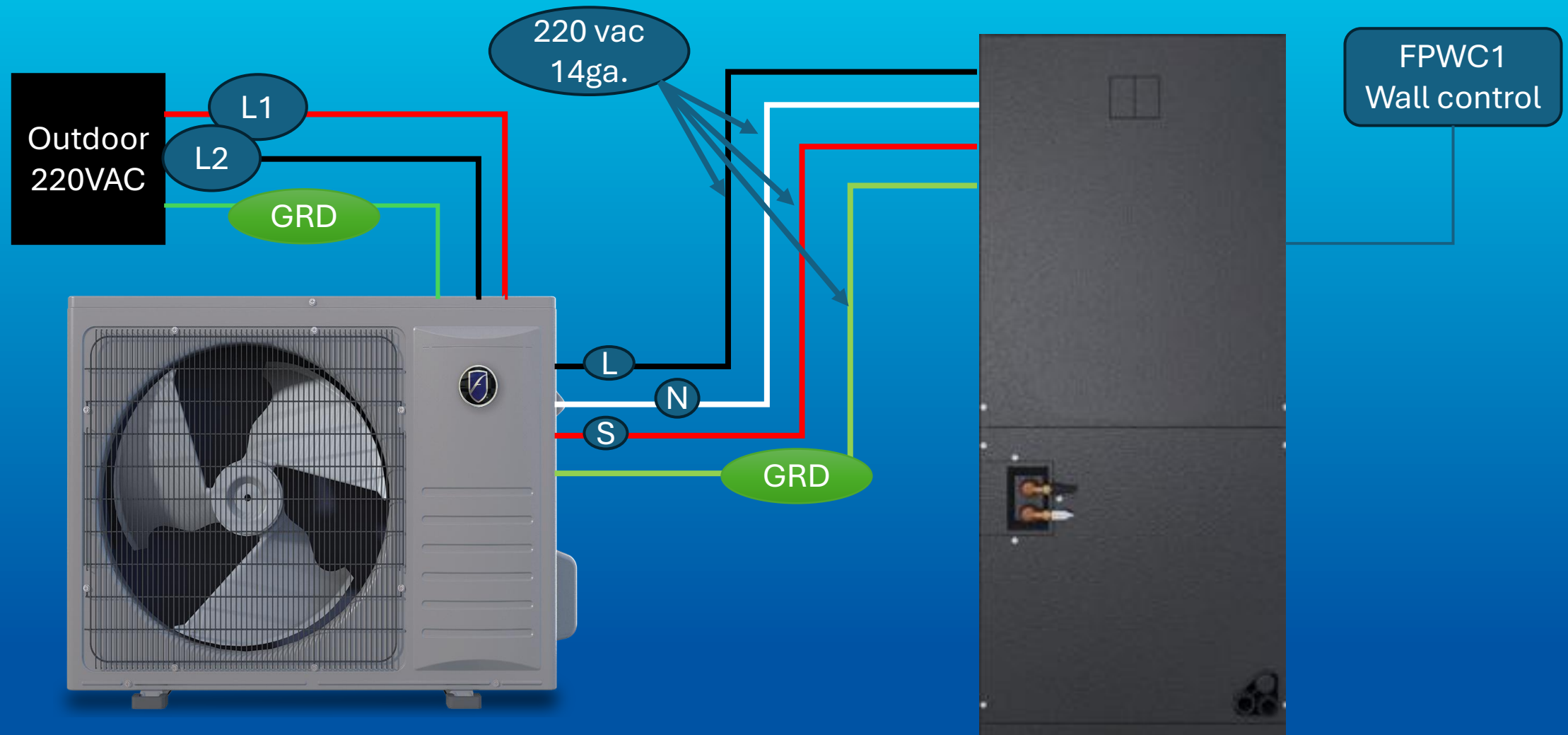
**Refrigeration Diagram for Multizone with full A/H**



Outdoor unit is connected via 18ga. Thermostat wire  
And when the outdoor units reversing valve is energized  
It will open the EEV outdoor for cooling wide open and meter indoors.  
Insulate both lines.  
Utilize **Liquid Drier** on liquid line

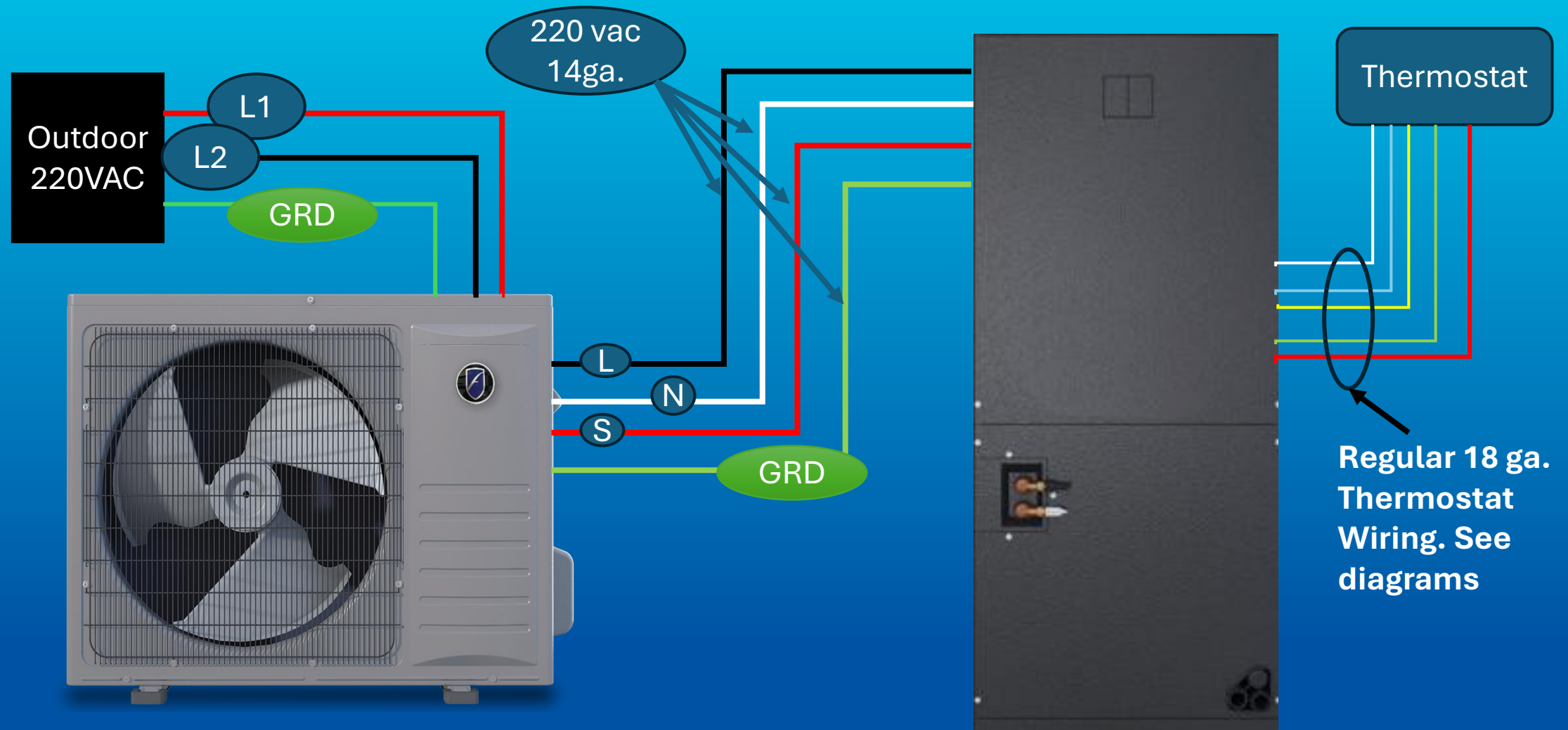


## Non-Breeze A/H Refrigeration Diagram



Outdoor unit will power the indoor unit. (no elec. strips)  
Provides a Complete Communicating System when FPWC1 wall controller is used.  
Great replacement for indoor gas furnace with no 220vac indoors

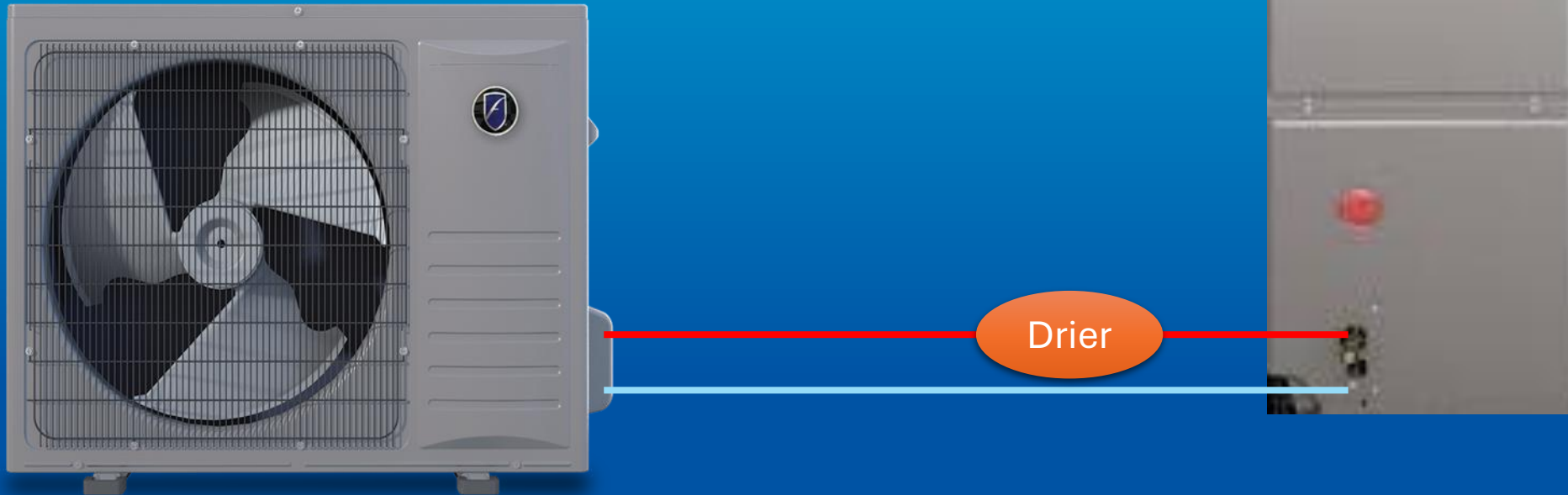
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## Non-Breeze A/H Refrigeration Diagram



# FRIEDRICH



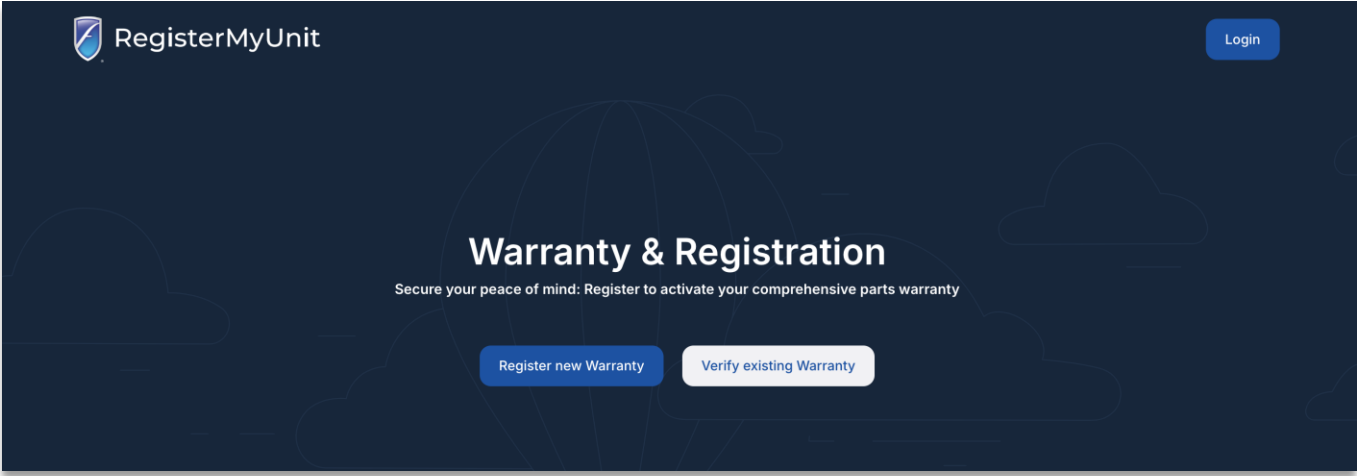
## MARKETING AND SUPPORT

# Warranty

- It's easier than ever for homeowners to secure their peace of mind with our online warranty verification and registration tool—RegisterMyUnit.com. Contractors are also able to register units on behalf of their customers for added convenience.



RegisterMyUnit.com



Standard

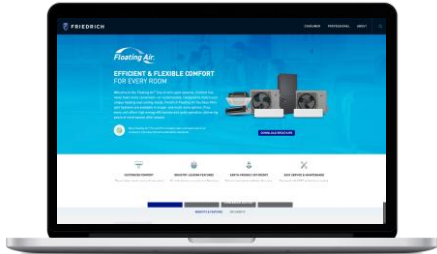


Registered





# Market Support



## Digital

- Landing Pages
- Sales Tool Kit (images, videos, creative assets)
- Digital 360-spins & Augmented Reality

## Literature

- Brochures, Submittals, IOMs, Service Manuals, & other documents \*

## POP & Displays

- Counter mat & Inserts \*\*
- Pull-up Banner Stands \*
- Tabletop display
- Showroom display stand \*\*

## Sales Tools

- Distributor Flyer \*\*
- Cross-Reference Guide & System Matches

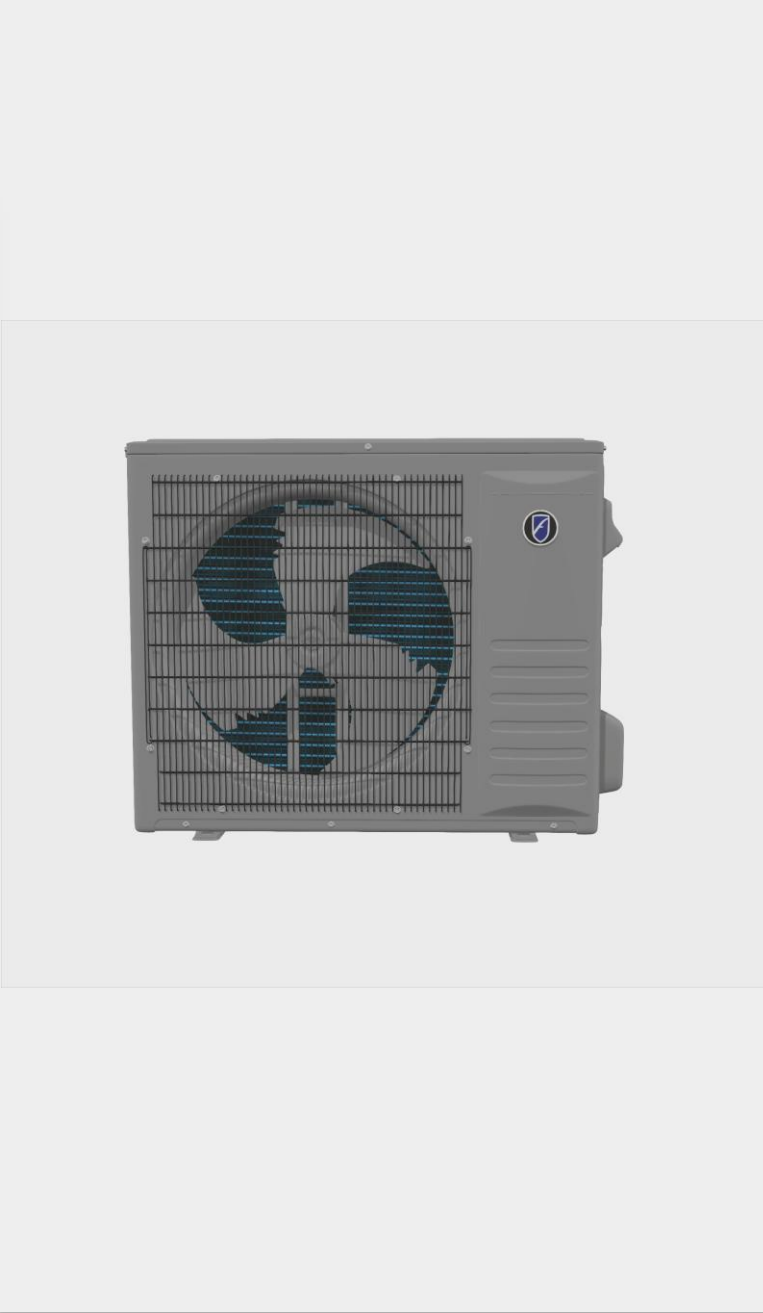
# Market Support (Interactive 360 Spins & AR)



Wall-mounted



Select Condensers



[View Floating Air Pro Condensers](#)

# Sales & Distribution

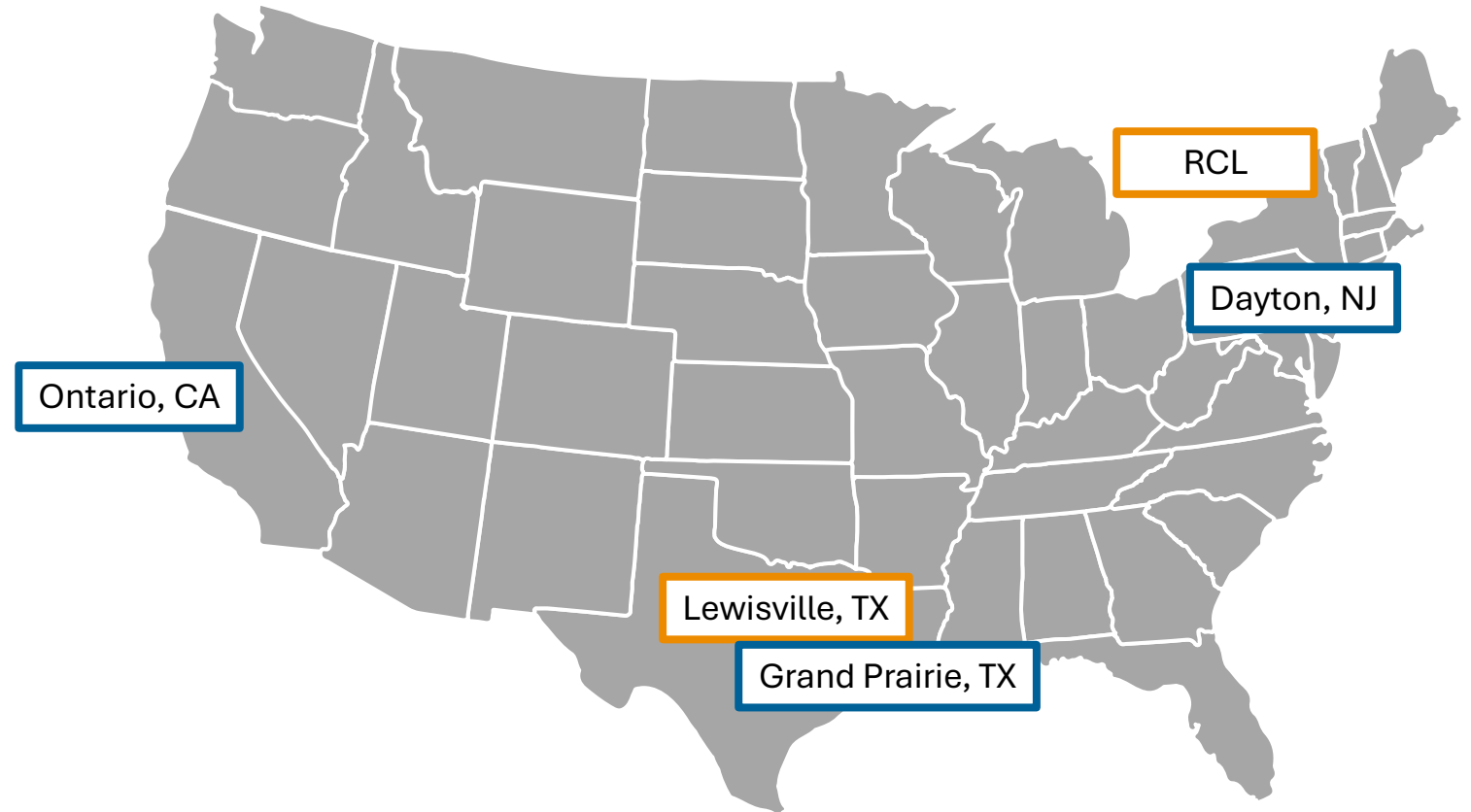
## Fully utilized supply chain and sales support structure

### Sales and support team with shared customer focus

- Friedrich ACD and FAC Sales Teams
- Split HP Sales Support Team
- FAC RTMs and TAC Group

### Multiple stocking DCs

- Mini-splits will be shipped from five locations
  - Ontario, CA – coming soon
  - Lewisville TX – initiated at launch
  - Grand Prairie, TX – coming soon
  - Dayton, NJ – current
  - Rheem Canada – coming soon

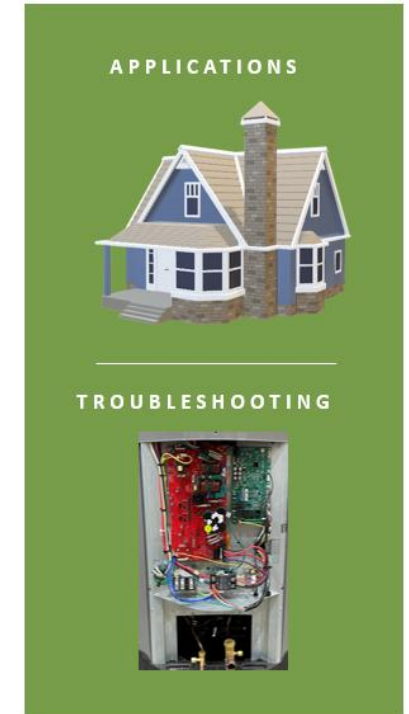
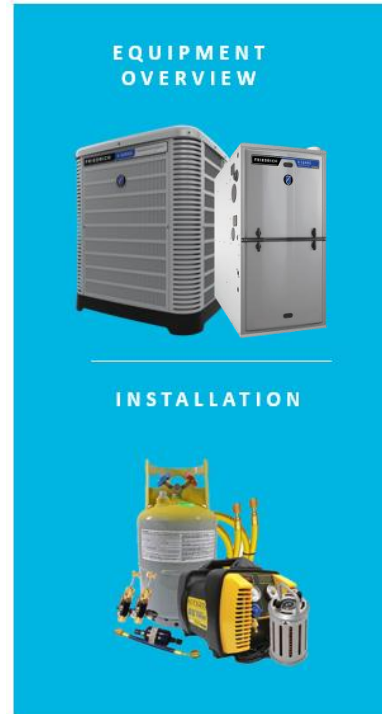


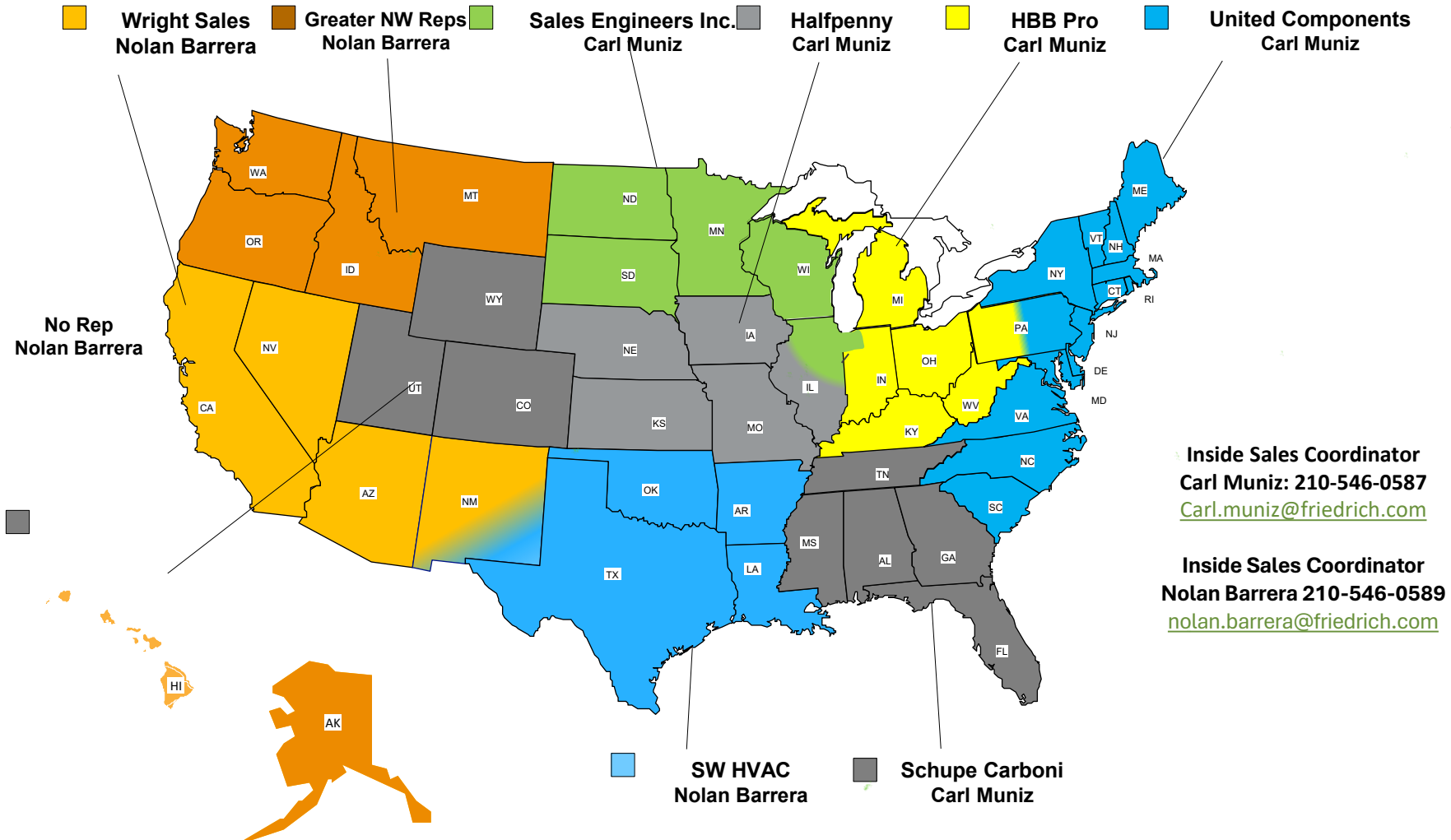
# Training

- Training Decks
  - Sales
  - Product Overview
  - Application Design
  - Installation
  - Service
  - Maintenance
  - A2L Refrigerant Handling



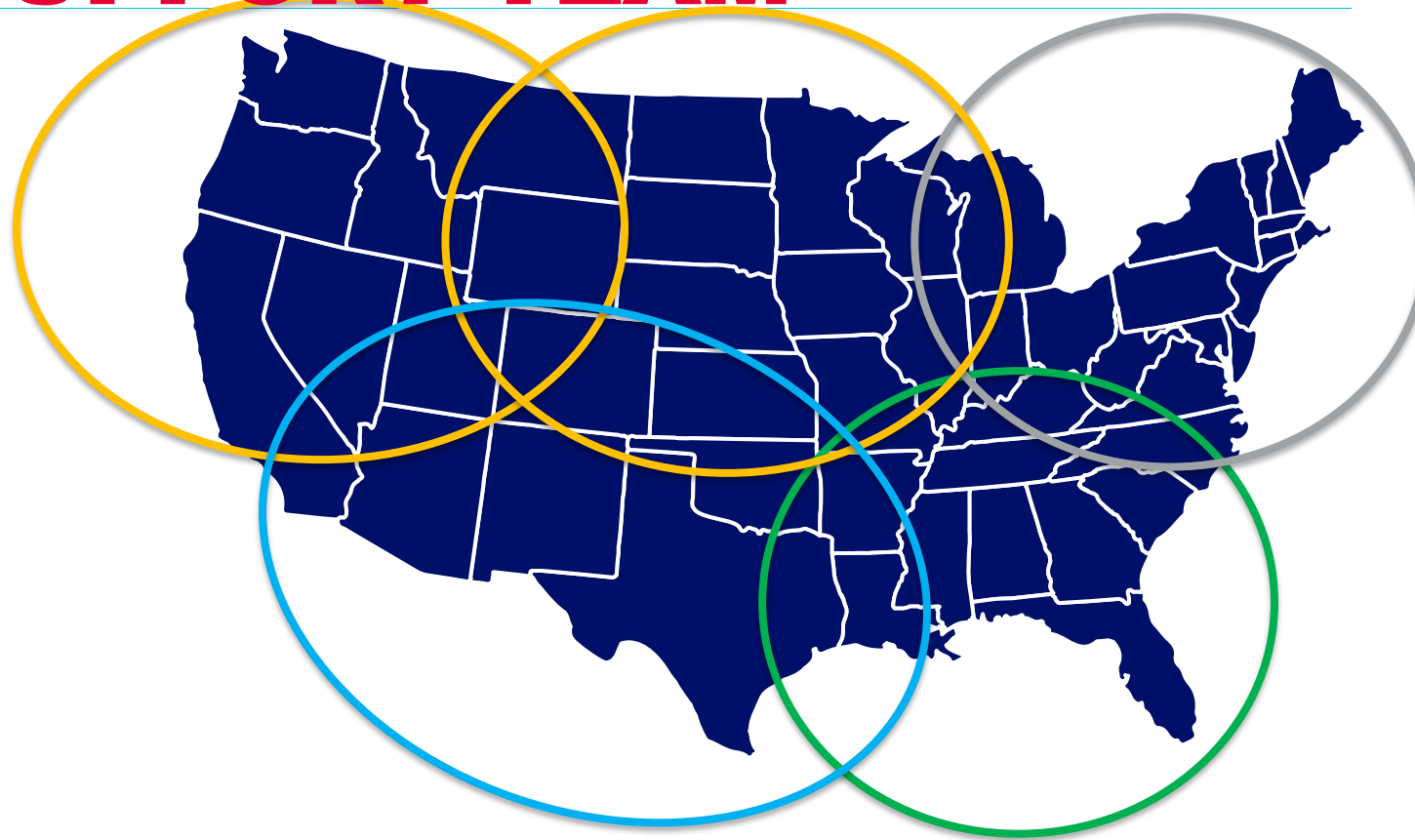
Digital and in-field training assets





# SPLIT HP SALES SUPPORT TEAM

Newly developed team dedicated to supporting mini-split and universal HP product



Brad Niehaus - National Manager  
brad.Niehaus@friedrich.com  
812.893.1161



Marc Lopez - Southwest  
marc.lopez@friedrich.com  
210.400.2045



Chris Palmer - Southeast  
chris.palmer@friedrich.com  
941.518.4943



Jason Matthews - Northeast  
jason.Matthews@friedrich.com  
908.884.3407



## 2 Support Is Available

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- **[WWW.FRIEDRICH.COM](http://WWW.FRIEDRICH.COM)**

- Look under the **Professional** category for all product documentation: Brochures, Product Profiles, IOM, Service manuals along with our Interactive Parts Viewer.
- **Technical Support Toll-free hotline: 1-877-599-5665 ext.4 then option 2**
- **Technical Support Center email: [tac@friedrich.com](mailto:tac@friedrich.com)**
- **Customer Returns email : [FRDclaim@friedrich.com](mailto:FRDclaim@friedrich.com)**
- **Interactive Parts Viewer : [FRIEDRICH INTERACTIVE PARTS VIEWER](#)**





# FRIEDRICH