

NOTICE OF DECISION

PLANNING DIVISION
555 LIBERTY ST. SE, RM 305
SALEM, OREGON 97301
PHONE: 503-588-6173
FAX: 503-588-6005



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503-588-6173*

DECISION OF THE PLANNING ADMINISTRATOR

HISTORIC DESIGN REVIEW CASE NO.: HIS19-31

APPLICATION NO. : 19-115473-DR

NOTICE OF DECISION DATE: JULY 19, 2019

SUMMARY: A proposal to install a ductless heat pump system on the exterior of the A. Patrick House (c. 1925).

REQUEST: Minor Historic Design Review of a proposal to install a ductless heat pump system on the exterior of the southern end of the A. Patrick House (c. 1925), a historic contributing building in the Gaiety Hill/Bush's Pasture Park Historic District in the RS (Single Family Residential) zone, and located at 1165 High Street NE - 97301 (Marion County Assessor Map and Tax Lot Number: 073W27CD00300).

APPLICANT: Jan Pratt, The Heat Pump Store, for Bonnie and Chuck Peter

LOCATION: 1165 High St SE

CRITERIA: Salem Revised Code (SRC) Chapter 230.025(g) Standards for Contributing Resources in Residential Historic Districts, Alterations and Additions

FINDINGS: The findings are in the attached Decision dated July 19, 2019.

DECISION: The **Historic Preservation Officer**, a Planning Administrator designee, **APPROVED** Historic Design Review HIS19-31 based upon the application materials deemed complete on July 18, 2019 and the findings as presented in this report.

This Decision becomes effective on August 6, 2019. No work associated with this Decision shall start prior to this date unless expressly authorized by a separate permit, land use decision, or provision of the Salem Revised Code (SRC).

The rights granted by the attached decision must be exercised, or an extension granted, by August 6, 2021 or this approval shall be null and void.

Application Deemed Complete:	<u>July 18, 2019</u>
Notice of Decision Mailing Date:	<u>July 19, 2019</u>
Decision Effective Date:	<u>August 6, 2019</u>
State Mandate Date:	<u>November 15, 2019</u>

Case Manager: Hayley Feightner, hfeightner@cityofsalem.net, 503-540-2315

This decision is final unless written appeal from an aggrieved party is filed with the City of Salem Planning Division, Room 305, 555 Liberty Street SE, Salem OR 97301, no later than 5:00 p.m., Monday, August 5, 2019. The notice of appeal must contain the information required by SRC 300.1020 and must state where the decision failed to

conform to the provisions of the applicable code section, SRC Chapter 230. The appeal must be filed in duplicate with the City of Salem Planning Division. The appeal fee must be paid at the time of filing. If the appeal is untimely and/or lacks the proper fee, the appeal will be rejected. The Historic Landmarks Commission will review the appeal at a public hearing. After the hearing, the Historic Landmarks Commission may amend, rescind, or affirm the action, or refer the matter to staff for additional information.

The complete case file, including findings, conclusions and conditions of approval, if any, is available for review at the Planning Division office, Room 305, City Hall, 555 Liberty Street SE, during regular business hours.

<http://www.cityofsalem.net/planning>

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BEFORE THE PLANNING ADMINISTRATOR OF THE CITY OF SALEM

**HISTORIC DESIGN REVIEW CASE NO. HIS19-31
DECISION**

**IN THE MATTER OF APPROVAL OF) MINOR HISTORIC DESIGN REVIEW
HISTORIC DESIGN REVIEW)
CASE NO. HIS19-31)
1165 HIGH STREET NE)
) July 19, 2019**

In the matter of the application for a Minor Historic Design Review submitted by Bonnie and Chuck Peter, the Historic Preservation Officer (a Planning Administrator Designee), having received and reviewed evidence and the application materials, makes the following findings and adopts the following order as set forth herein.

REQUEST

SUMMARY: A proposal to install a ductless heat pump system on the exterior of the A. Patrick House (c. 1925).

REQUEST: Minor Historic Design Review of a proposal to install a ductless heat pump system on the exterior of the southern end of the A. Patrick House (c. 1925), a historic contributing building in the Gaiety Hill/Bush's Pasture Park Historic District in the RS (Single Family Residential) zone, and located at 1165 High Street NE - 97301 (Marion County Assessor Map and Tax Lot Number: 073W27CD00300).

A vicinity map illustrating the location of the property is attached hereto, and made a part of this decision (**Attachment A**).

DECISION

APPROVED based upon the application materials deemed complete on July 18, 2019 and the findings as presented in this report.

FINDINGS

1. Minor Historic Design Review Applicability

SRC230.020(f) requires Historic Design Review approval for any alterations to historic resources as those terms and procedures are defined in SRC 230. The Planning Administrator shall render a decision supported by findings that explain conformance or lack thereof with relevant design standards, state the facts relied upon in rendering the decision, and explain justification for the decision.

2. Analysis of Minor Historic Design Review Approval Criteria

Finding: The applicant is proposing to install a new Daikin ductless heat pump to the exterior of the southern end of the A. Patrick House. The heat pump is comprised of an outdoor and an indoor unit. The outdoor unit is metal, approximately 21" x 26" x 11" in size and will be located on the ground, adjacent to the southern façade of the A. Patrick House. The outdoor unit is connected to the upstairs indoor unit by a PVC line cover that will be run approximately 15 to 20 feet along the foundation of the house, and up approximately 15 to 20 feet to the second story, where a small 3" diameter duct will be cut through the historic siding and be attached to the indoor unit. (**Attachment B**). Staff determined that the following standards from SRC 230.025(g) *Standards for Contributing Resources in Residential Historic Districts, Alterations and Additions* are applicable to this project.

FINDINGS:

Criteria: 230.025(g) Alterations and Additions.

(1) Materials.

(A) *Building materials shall be of traditional dimensions.*

Finding: The applicant is not proposing to construct a new addition that would require the use of traditionally dimensioned building materials. Staff finds that this standard is not applicable to the evaluation of this proposal.

(B) *Material shall be of the same type, quality and finish as original material in the building.*

Finding: The applicant is not proposing to construct a new addition that would require the use of building materials of the same type, quality and finish as the original material in the resource. Staff finds that this standard is not applicable to the evaluation of this proposal.

(C) *New masonry added to a building shall, to the greatest degree possible, match the color, texture and bonding pattern of the original masonry.*

Finding: The applicant is not proposing to install new masonry as a part of this proposal. Staff finds that this standard is not applicable to the evaluation of this proposal.

(D) *For those areas where original material must be disturbed, original material shall be retained to the maximum extent possible.*

Finding: The outdoor portion of the unit is freestanding, and will not be attached to the resource. The exterior duct that will be cut into the siding on the second story is minimal in size, on a secondary façade and not easily visible from the right of way. The applicant's choice to install a ductless heat pump ensures that a minimal amount of original material will be disturbed. As recommended by the National Park Service in their *Guidelines on Sustainability for Rehabilitation of Historic Buildings*, it is recommended that installing high efficiency ductless air conditioners is preferred to installing new ducted central air conditioning units within historic resources. Staff finds that this standard has been met.

(2) Design.

(A) *Be located at the rear, or on an inconspicuous side, of the building.*

Finding: The main exterior portion of the heat pump is free standing, not attached to the resource, and will be installed adjacent to the exterior façade of the resource, not easily visible from the right of way. The components of the proposed new heat pump, including the PVC line cover and ducting will be installed on a secondary façade, and painted to match the exterior of the A. Patrick House, and is therefore not easily visible from the right of way. Staff finds that this standard has been met.

(B) *Be designed and constructed to minimize changes to the building.*

Finding: The applicant is proposing to install the new ductless heat pump near the southeast bay of the A. Patrick House. The outdoor unit will be located within the interior corner of the southern and eastern facades, not attached to the resource. The associated PVC line covers will be installed approximately 15-20 feet along the foundation of the resource and up approximately 15 to 20 feet to the second story along the southern façade of the A. Patrick House, and painted to match the exterior of the resource. These alterations are designed to minimize alterations to the Patrick. A. House, therefore staff finds that this standard has been met.

(C) *Be limited in size and scale such that a harmonious relationship is created in relationship to the original building.*

Finding: The proposed heat pump and associated equipment are small in scale, and located on a secondary façade of the resource. Staff finds that this standard has been met.

(D) *Be designed and constructed in a manner that significant historical, architectural or cultural features of the building are not obscured, damaged, or destroyed.*

Finding: The proposed heat pump and associated equipment will be installed on a secondary façade so that no significant features of the resource will be obscured, damaged, or destroyed by the proposal. Staff finds that this standard has been met.

(E) *Be designed to be compatible with the size, scale, material, and character of the building, and the district generally.*

Finding: The proposed new heat pump compressor is approximately 21" in height and 26" wide. The outdoor unit will be located in the corner of the southern bay of the resource and is screened by bushes. The line sets will run adjacent to the resource behind the bushes, and will extend to the upstairs bedroom on the resource's southern façade. The line set covers can be painted to match the exterior of the resource. The proposed new heat pump is compatible in design and scale with the resource, and the surrounding historic district. Staff finds that this standard has been met.

(F) *Not destroy or adversely impact existing distinctive materials, features, finishes and construction techniques or examples of craftsmanship that are part of the building.*

Finding: The proposed heat pump and associated equipment will be installed so that no distinctive materials, features, or significant examples of craftsmanship will be adversely affected by the proposal. Staff finds that this standard has been met.

(G) *Be constructed with the least possible loss of historic materials.*

Finding: The proposed new heat pump will be installed adjacent to the resource, minimizing any impact to historic materials. Staff finds that this standard has been met.

(H) *Not create a false sense of historical development by including features that would appear to have been part of the building during the period of significance but whose existence is not supported by historical evidence.*

Finding: The applicant's proposed heat pump is clearly new, and does not create a false sense of historical development as it does not appear to have been part of the original structure historically. Staff finds that this standard has been met.

(I) *Be designed in a manner that makes it clear what is original to the building and what is new.*

Finding: The applicant's proposed heat pump is of modern materials which are clearly new. Since the heat pump compressor is not attached to the building, but freestanding adjacent to the resource, it is clear that it was not constructed as part of the building. Staff finds that this standard has been met.

(J) *Be designed to reflect, but not replicate, the architectural styles of the period of significance.*

Finding: The proposed heat pump is not part of a new addition to the resource with an architectural style, therefore this standard is not applicable to the evaluation of this proposal.

(K) *Preserve features of the building that has occurred over time and has attained significance in its own right.*

Finding: The applicant is not proposing to alter any features that have acquired significance over time. Staff finds that this standard is not applicable to the evaluation of this proposal.

(L) *Preserve distinguishing original qualities of the building and its site.*

Finding: The applicant is not proposing to significantly alter the resource through the installation of the heat pump along a secondary facade of this building. The primary façade and the character defining qualities of the A. Patrick House will not be adversely affected by the proposal, therefore, staff finds that this standard has been met.

DECISION

Based upon the application materials deemed complete on July 18, 2019 and the findings as presented in this report, the application for HIS19-31 is **APPROVED**.



Kimberli Fitzgerald, AICP
Historic Preservation Officer
Planning Administrator Designee

Prepared By: Hayley Feightner, Planner I

Attachments: A. Vicinity Map
B. Applicant's Submittal Materials

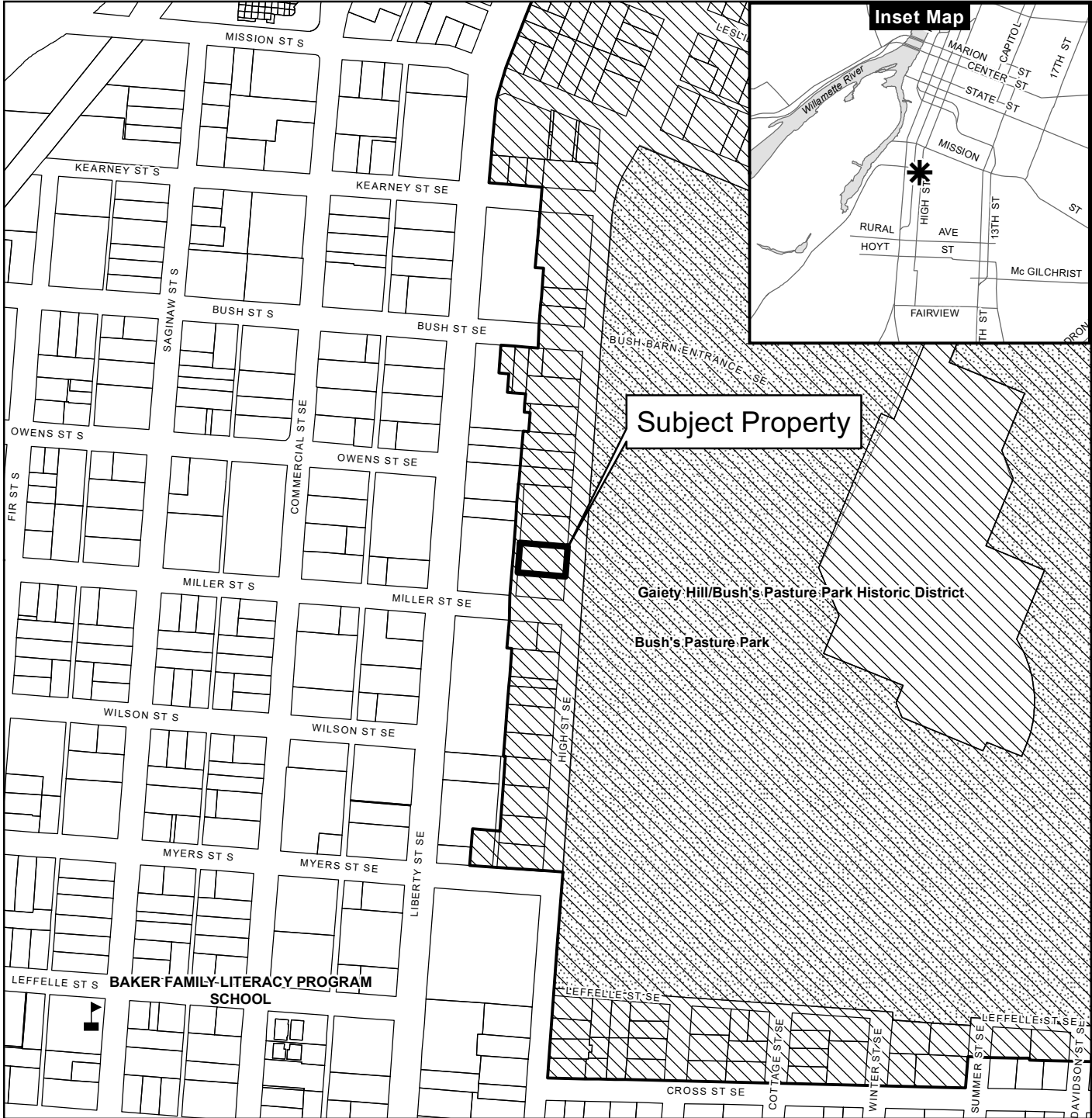
Application Deemed Complete:	<u>July 18, 2019</u>
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The rights granted by this decision must be exercised by **August 6, 2021** or this approval shall be null and void.

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Vicinity Map 1165 High St SE



Legend

-  Taxlots
-  Urban Growth Boundary
-  City Limits
-  Outside Salem City Limits
-  Historic District
-  Schools
-  Parks



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Historic Alteration Review Worksheet

Site Address: 1165 High Street SE Salem OR 97302

Resource Status: Contributing Non- Contributing Individual Landmark

Type of Work Activity Proposed: Major Minor

Chose One: Commercial District Individual Resource Public District
Residential District Sign

Replacement, Alteration, Restoration or Addition of:

Architectural Feature:

- Awning
- Door
- Exterior Trim, Lintel
- Other architectural feature
- Roof/Cornice
- Masonry/Siding
- Storefront
- Window(s) Number of windows: _____

Landscape Feature:

- Fence
- Streetscape
- Other Site feature (describe) _____

New:

- Addition
- Accessory Structure
- Sign
- Mural
- Accessibility Ramp
- Energy Improvements
- Mechanical Equipment
- Primary Structure

Will the proposed alteration be visible from any public right-of-way? Yes No

Project's Existing Material: NA Project's New Material: Outdoor unit and Line set cover

Project Description

Briefly provide an overview of the type of work proposed. Describe how it meets the applicable design criteria in SRC Chapter 230. Please attach any additional information (i.e., product specification sheets) that will help staff and the HLC clearly understand the proposed work:

Install a ductless heat pump with indoor and outdoor unit and line set covers, to conceal line sets , going up to indoor unit in upstairs bedroom. See photo attached Outdoor unit will be on side of house and line sets to go up outside wall. Last five feet can be seen from the street going up to upstairs unit. The rest are hidden behind bushes.



Signature of Applicant



Date Submitted/Signed

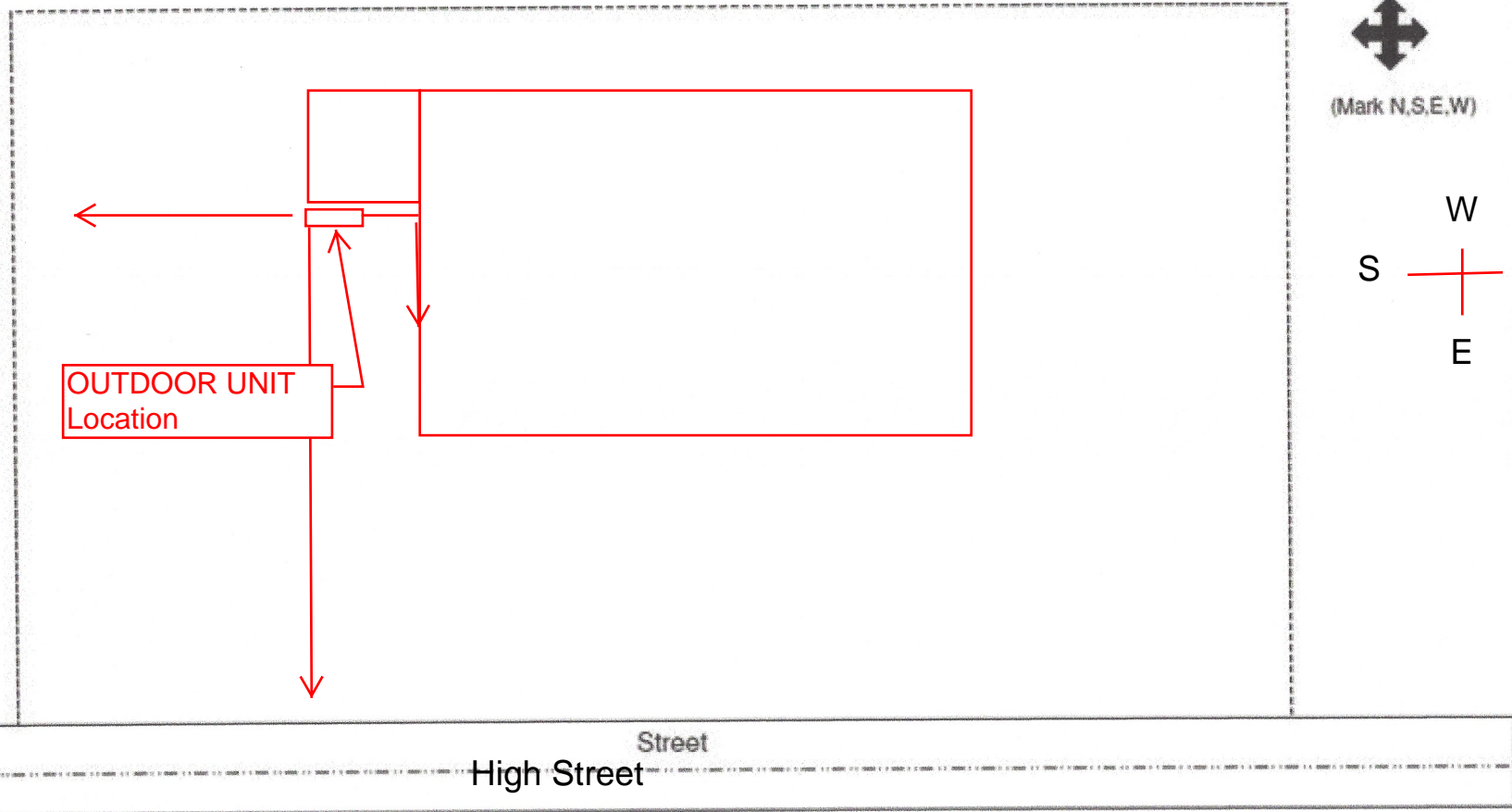
Bonnie and Charles Peter



SITE PLAN

Address: 1165 High St SE Salem, OR 97302

Jurisdiction: City of Salem

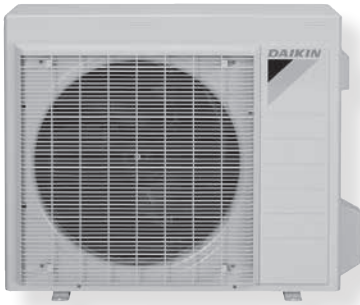


- SALESPERSON to complete -

The Heat Pump Store
11933 NE Sumner St
Portland, OR 97220
CCB # 177229

Phone: 503.253.4048
Fax: 503.345.6836

ENHANCED-CAPACITY, HIGH-EFFICIENCY DUCTLESS SYSTEM WITH WALL-MOUNTED & FLOOR-STANDING INDOOR UNITS



PERFORMANCE:

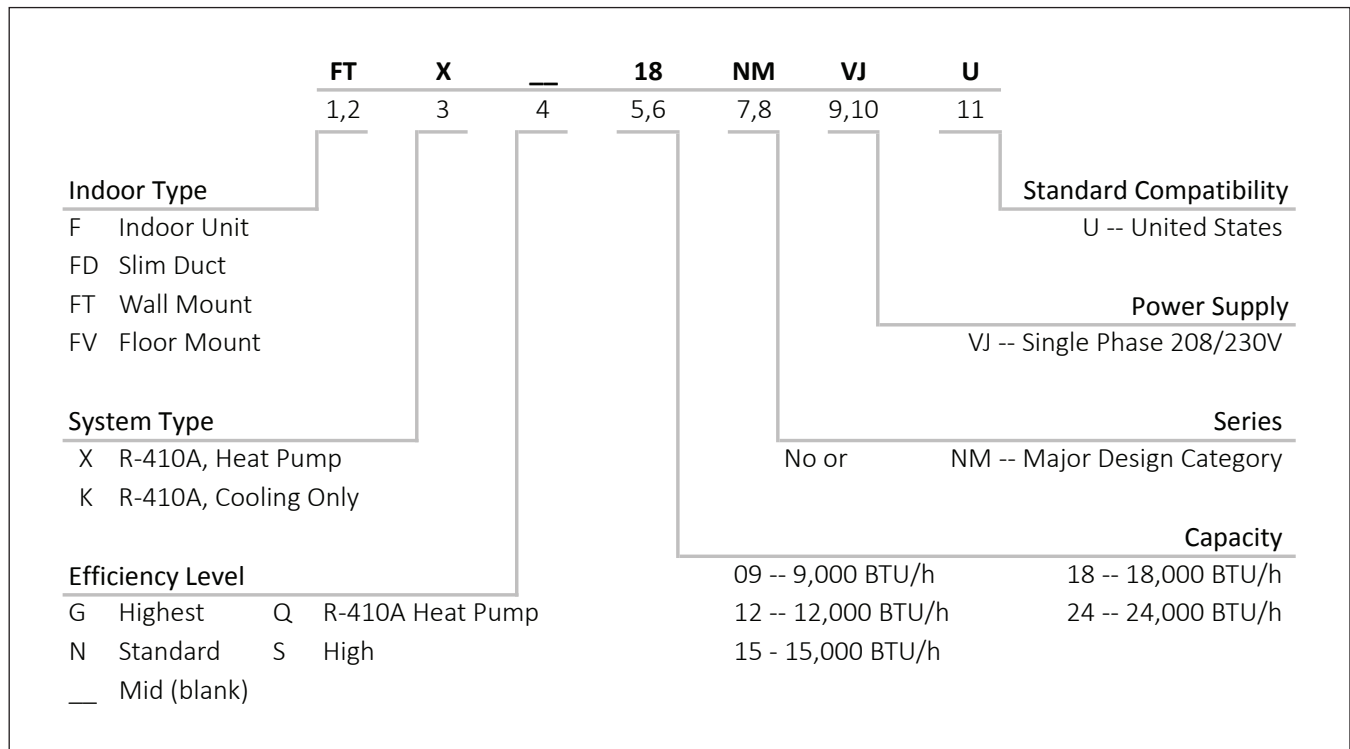
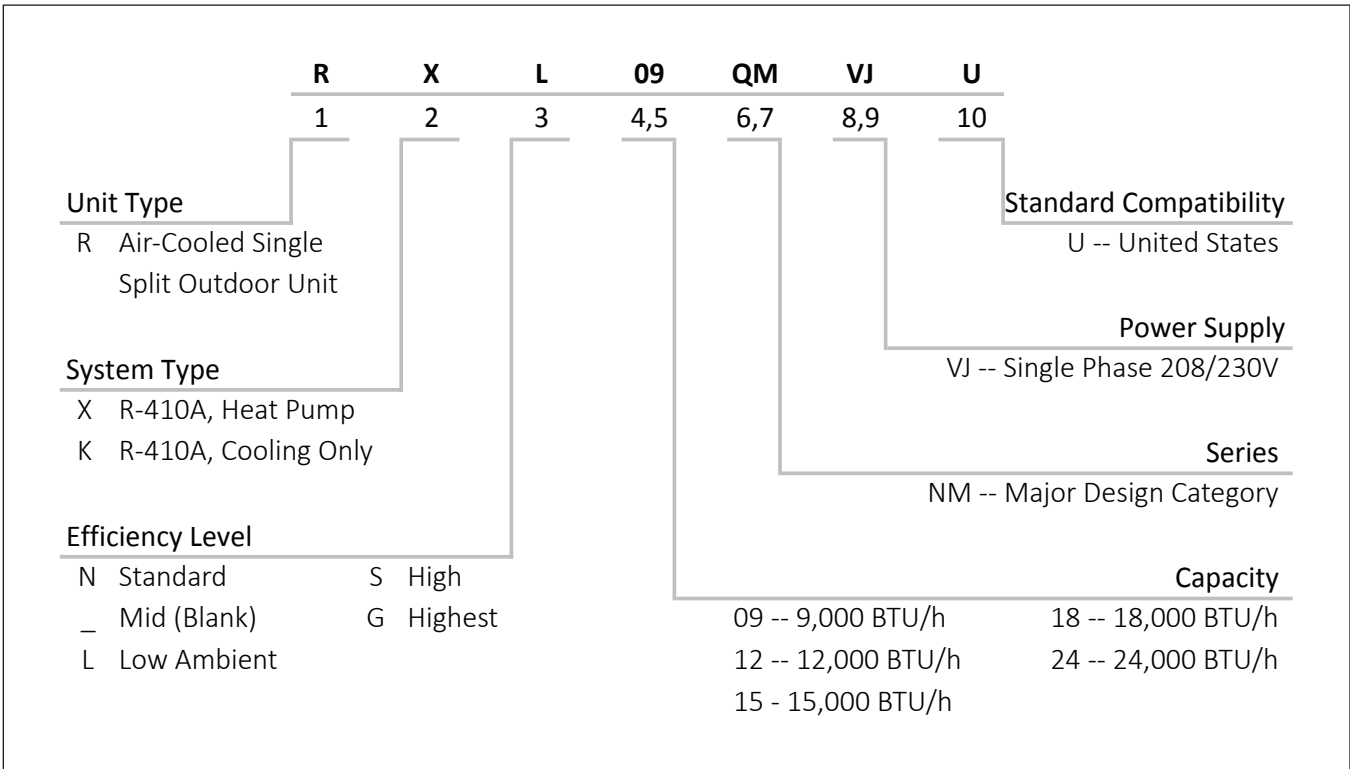
- 20 SEER
- UP TO 13 EER
- UP TO 12.5 HSPF

Product Features

- Inverter Compressor
- 208/230/1 Power Supply
- Cooling Range: -4° to 115° F (with optional wind baffle)
- Heating Range: -13° to 75° F (with drain pan heater as applicable)
- 100% of rated heating capacity at 5° F
- Pre-charged for up to 33 ft of liquid line
- Indoor Sound Pressure as low as 19 dB(A)
- Outdoor Sound Pressures as low as 49 dB(A)
- Washable Air Filter
- Econo Mode
- Program Dry Function
- Powerful Operation Mode
- Wireless Remote Controller with backlit display
- Outdoor Unit quiet operation with backlight
- Auto Changeover (Heat Pump only)
- Auto Fan Speed Control
- Self-Diagnostics with digital display
- Auto Restart after power failure
- Anti-Corrosion Treatment on heat exchanger
- Max Piping (09/12 MBH): 66' length, 49' height
- Max Piping (15 MBH): 98' Length, 66' height
- Titanium Apatite photocatalytic air filter (FTX models)



* Complete warranty details available from your local dealer or at www.daikincomfort.com. To receive the 12-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration and some of the additional requirements are not required in California or Quebec.



SYSTEM PERFORMANCE				
Model Name	IDU ODU	FTX09NMVJU RXL09QMVJU	FTX12NMVJU RXL12QMVJU	FTX15NMVJU RXL15QMVJU
Nominal Capacity	BTU/h	9,000	12,000	15,000
Cooling Capacity (Rated)	BTU/h	9,000	10,900	15,000
Cooling Capacity (Min-Max)	BTU/h	4,400 - 10,900	4,400 - 13,300	5,800 - 18,400
Heating Capacity (Rated)	BTU/h	10,900	13,600	18,300
Heating Capacity (Min-Max)	BTU/h	4,400 - 16,000	4,400 - 18,800	5,800 - 24,600
Heating Capacity (@ 5F - Max)	BTU/h	10,900	14,300	18,300
SEER		20.0	20.0	20.0
EER	BTU/h*W	12.5	12.5	13.0
COP	W/W	4.2	3.9	4.0
HSPF		12.5	12.0	12.5
ELECTRICAL DATA				
Power Supply	V/φ/Hz	208-230/1/60		
Minimum Circuit Amps	A	9.5	13.0	13.0
Max Overcurrent Protection	A	15	15	15
Power Consumption - Cooling	kW	0.7	0.9	1.2
Power Consumption - Heating	kW	0.8	1.0	1.3
INDOOR UNITS				
Moisture Removal	Gal/hr	0.3	0.5	0.6
Airflow - Cooling (H/M/L/SL)	CFM	417 /297 /244 /141	434 /311 /247 /145	593 /505 /431 /367
Airflow - Heating (H/M/L/SL)	CFM	403 /328 /251 /215	413 /321 /258 /219	653 /554 /470 /399
Sound Pressure - Cooling (H/M/L/SL)	dB(A)	43 /36 /30 /19	45 /37 /30 /19	45 /41 /36 /33
Sound Pressure - Heating (H/M/L/SL)	dB(A)	43 /36 /29 /25	45 /37 /30 /26	45 /41 /37 /33
Piping Connection	Liquid	in.	1/4	1/4
	Gas	in.	3/8	1/2
	Drain	in.	5/8	5/8
Dimensions (HxWxD)	in.	11¼ x 30 ⁵ / ₁₆ x 8¾	11¼ x 30 ⁵ / ₁₆ x 8¾	11½ x 39 x 10 ³ / ₈
Net Weight	lbs.	18	18	27
OUTDOOR UNITS				
Sound Pressure Level - Cooling/Heating	dB(A)	49/49	50/50	50/55
Operating Range - Cooling	FDB	50-115	50-115	50-115
Operating Range - Low Ambient Cooling	FDB	14-115	14-115	14-115
Operating Range - w/ wind baffle	FDB	-4-115	-4-115	-4-115
Operating Range - Heating	FDB	5-75	5-75	5-75
Operating Range - w/ drain pan heater	FDB	-13-75	-13-75	-13-75
Max Piping Length	ft	65.6	65.6	98.5
Max Piping Height	ft	49.2	49.2	65.6
Dimensions (HxWxD)	in.	21 ¹ / ₈ x 26 ⁹ / ₁₆ x 11 ³ / ₁₆	21 ¹ / ₈ x 26 ⁹ / ₁₆ x 11 ³ / ₁₆	28 ¹⁵ / ₁₆ x 34 ¹ / ₄ x 12 ³ / ₈
Net Weight	lbs	60	70	108
<p>* ENERGY STAR® and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. ENERGY STAR products are third-party certified by an EPA-recognized Certification Body. Products that earn the ENERGY STAR prevent greenhouse gas emissions by meeting strict energy efficiency guidelines set by the U.S. Environmental Protection Agency.</p> <p>This product meets ENERGY STAR requirements when appropriate coil components are used. Ask your contractor for details or visit www.energystar.gov. The www.energystar.gov website provides up-to-date system combinations certified to meet ENERGY STAR requirements.</p>				

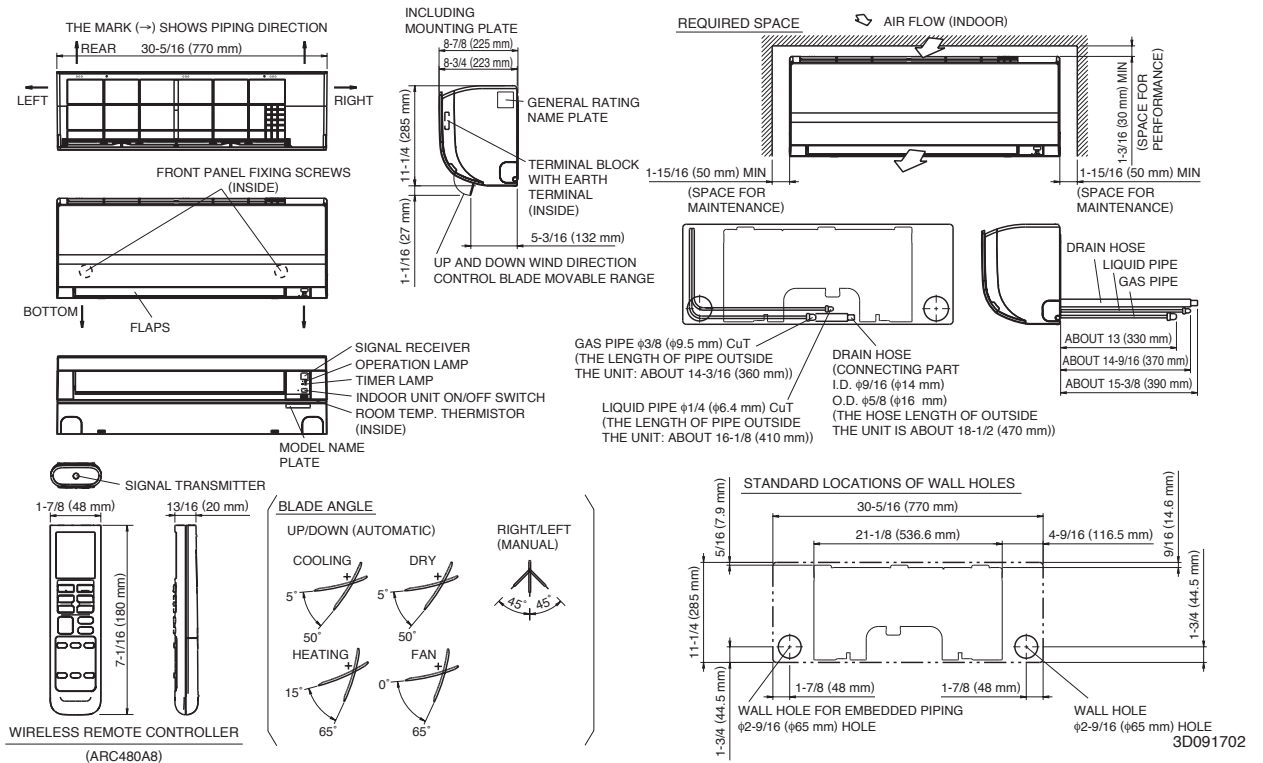
SYSTEM PERFORMANCE				
Model Name	IDU ODU	FVXS09NVJU RXL09QMVJU	FVXS12NVJU RXL12QMVJU	FVXS15NVJU RXL15QMVJU
Nominal Capacity	BTU/h	9,000	12,000	15,000
Cooling Capacity (Rated)	BTU/h	9,000	10,200	15,000
Cooling Capacity (Min-Max)	BTU/h	4,400 - 10,200	4,400 - 12,300	5,800 - 17,100
Heating Capacity (Rated)	BTU/h	10,100	13,000	18,000
Heating Capacity (Min-Max)	BTU/h	4,400 - 14,300	4,400 - 17,100	5,800 - 24,000
Heating Capacity (@ 5F - Max)	BTU/h	10,100	13,000	18,000
SEER		20.0	20.0	20.0
EER	BTU/h*W	12.5	12.0	12.5
COP	W/W	4.1	4.0	3.8
HSPF		11.7	11.4	11.3
ELECTRICAL DATA				
Power Supply	V/φ/Hz	208-230/1/60		
Minimum Circuit Amps	A	9.5	13.0	13.0
Max Overcurrent Protection	A	15	15	15
Power Consumption - Cooling	kW	0.7	0.9	1.2
Power Consumption - Heating	kW	0.7	0.1	1.4
INDOOR UNITS				
Moisture Removal	Gal/hr	0.3	0.5	0.6
Airflow - Cooling (H/M/L/SL)	CFM	290 /230 /169 /145	300 /237 /173 /159	378 /325 /275 /233
Airflow - Heating (H/M/L/SL)	CFM	311 /244 /177 /155	332 /258 /184 /166	417 /357 /300 /251
Sound Pressure - Cooling (H/M/L/SL)	dB(A)	38 /32 /26 /23	39 /33 /27 /24	44 /40 /36 /32
Sound Pressure - Heating (H/M/L/SL)	dB(A)	38 /32 /26 /23	39 /33 /27 /24	45 /40 /36 /32
Piping Connection	Liquid	in	1/4	1/4
	Gas	in	3/8	3/8
	Drain	in	13/16	13/16
Dimensions (HxWxD)	in	23 ³ / ₈ x 27 ⁹ / ₁₆ x 8 ³ / ₄	23 ³ / ₈ x 27 ⁹ / ₁₆ x 8 ³ / ₄	23 ³ / ₈ x 27 ⁹ / ₁₆ x 8 ³ / ₄
Net Weight	lbs	31	31	31
OUTDOOR UNITS				
Sound Pressure Level - Cooling/Heating	dB(A)	49 /49	50 /50	50 /55
Operating Range - Cooling	FDB	50-115	50-115	50-115
Operating Range - Low Ambient Cooling	FDB	14-115	14-115	14-115
Operating Range - w/ wind baffle	FDB	-4-115	-4-115	-4-115
Operating Range - Heating	FDB	5-75	5-75	5-75
Operating Range - w/ drain pan heater as applicable	FDB	-13-75	-13-75	-13-75
Max Piping Length	ft	65.6	65.6	98.5
Max Piping Height	ft	49.2	49.2	65.6
Dimensions (HxWxD)	in	21 ¹ / ₈ x 26 ⁹ / ₁₆ x 11 ³ / ₁₆	21 ¹ / ₈ x 26 ⁹ / ₁₆ x 11 ³ / ₁₆	28 ¹⁵ / ₁₆ x 34 ¹ / ₄ x 12 ³ / ₈
Net Weight	lbs	60	70	108

* ENERGY STAR® and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. ENERGY STAR products are third-party certified by an EPA-recognized Certification Body. Products that earn the ENERGY STAR prevent greenhouse gas emissions by meeting strict energy efficiency guidelines set by the U.S. Environmental Protection Agency.

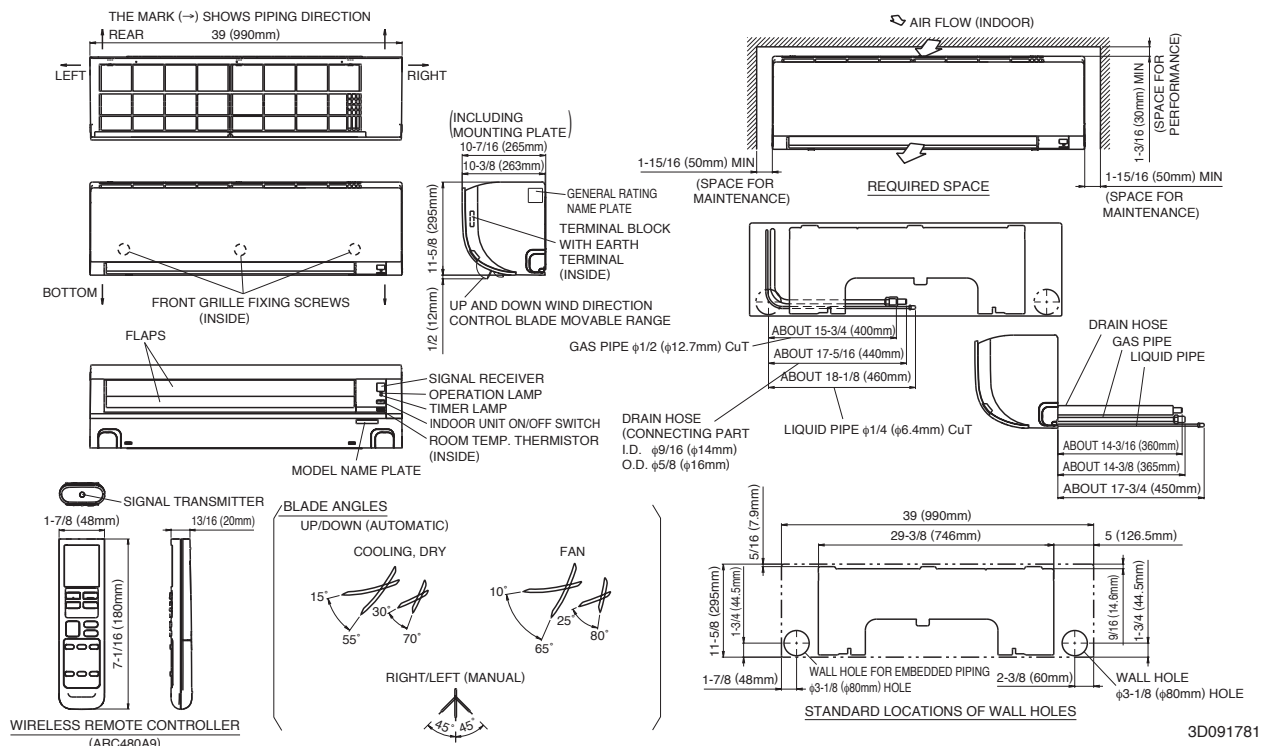
Proper sizing and installation of equipment is critical to achieving optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR criteria. Ask your contractor for details or visit www.energystar.gov.

The www.energystar.gov website provides up-to-date system combinations certified to meet ENERGY STAR requirements.

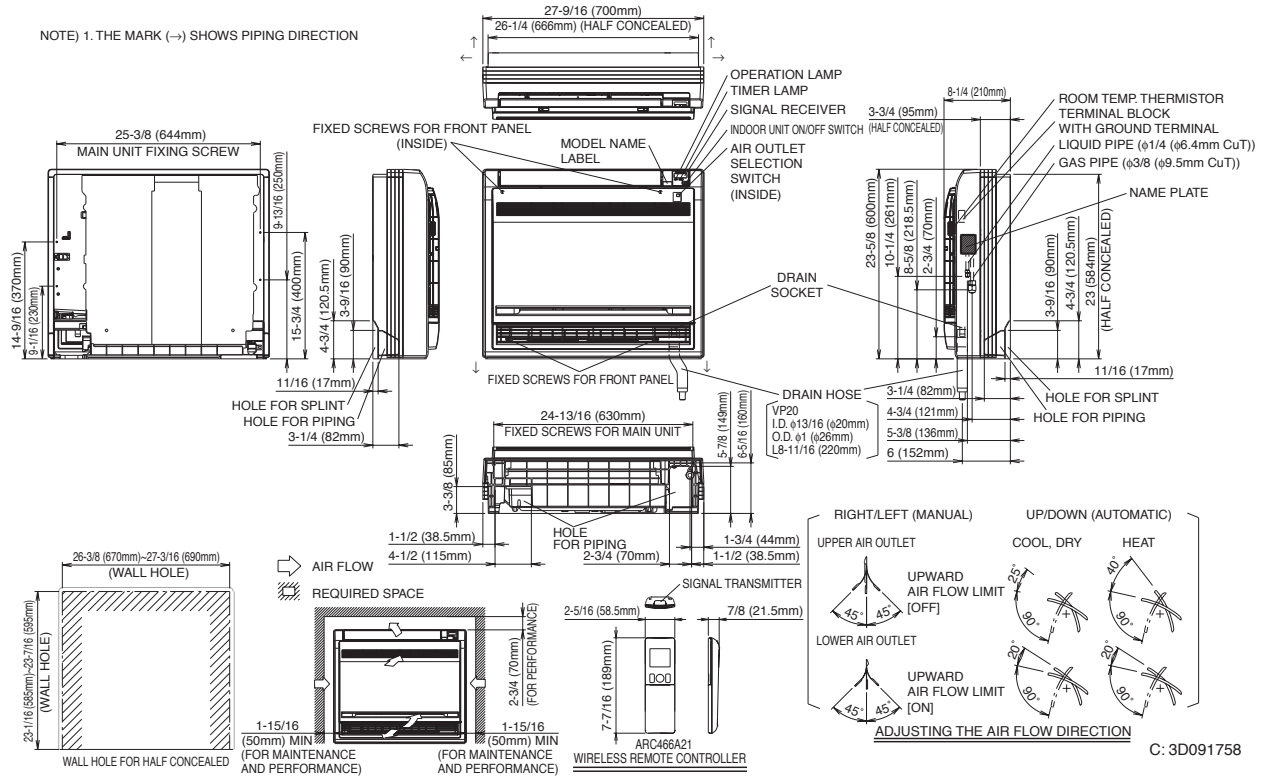
FTX09NMVJU, FTX12NMVJU



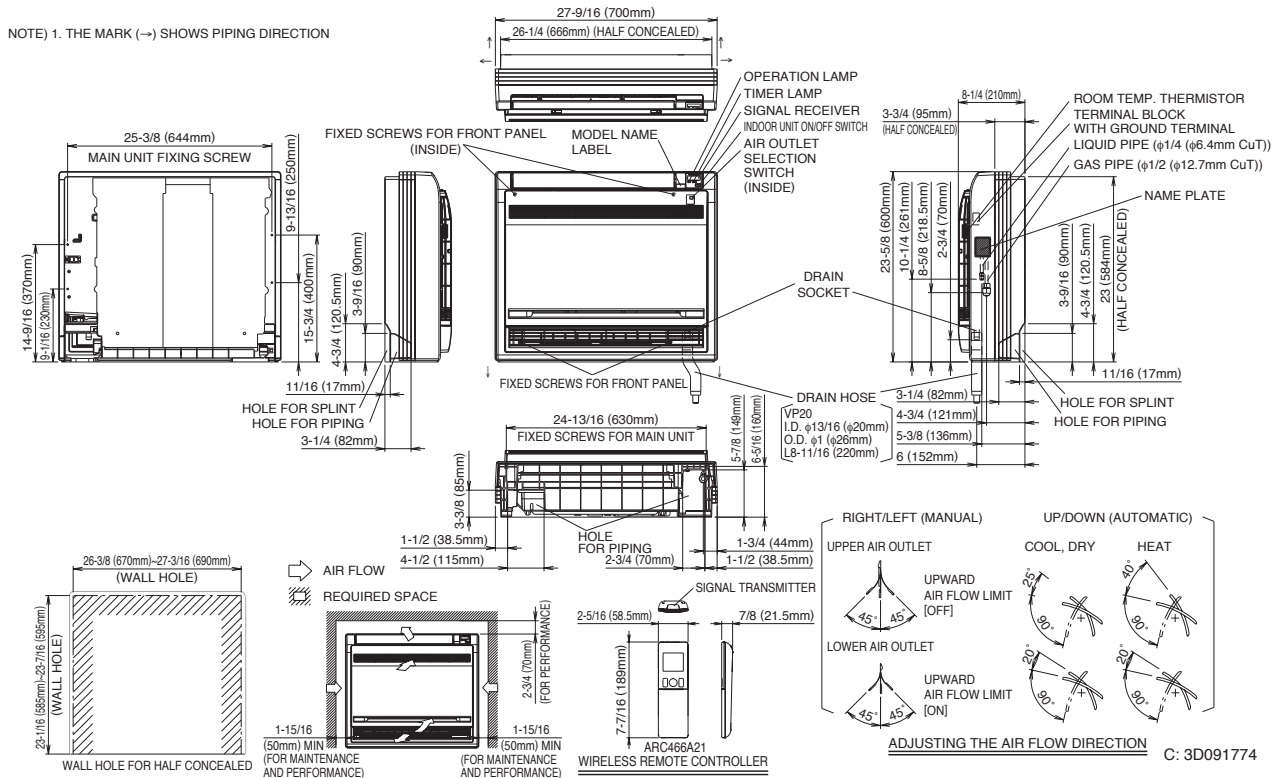
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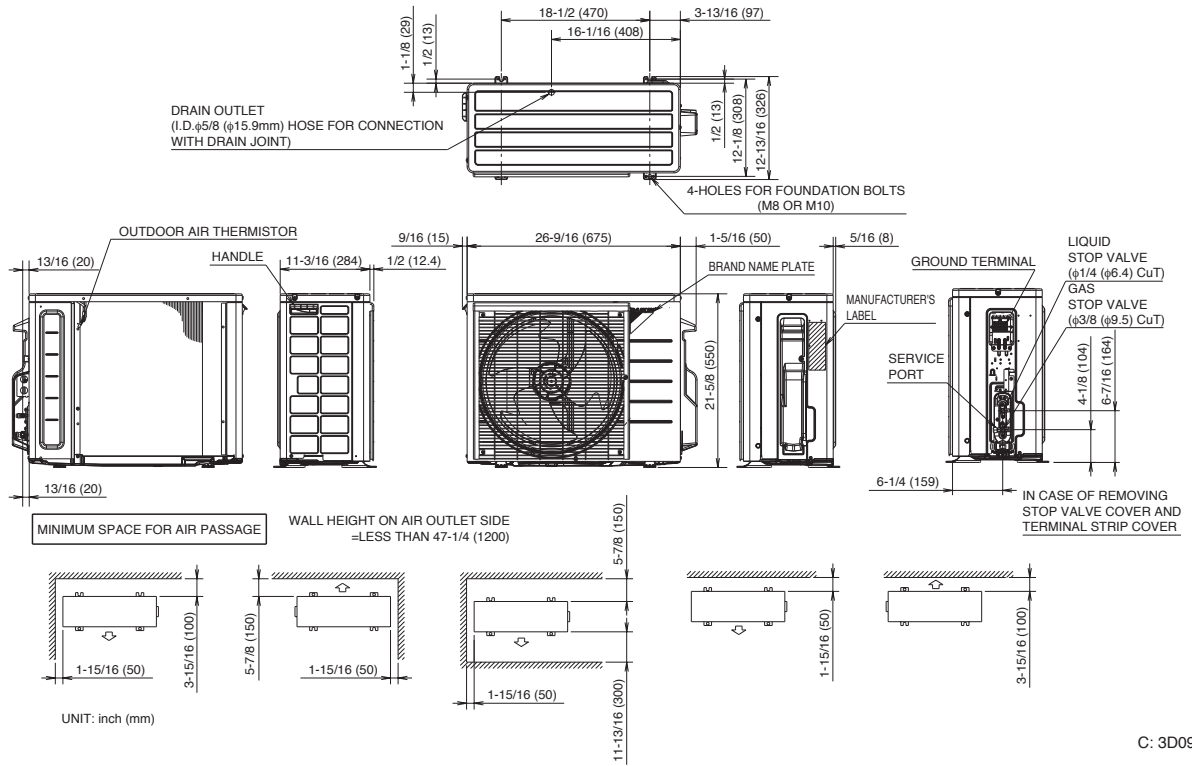
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FVXS15NVJU

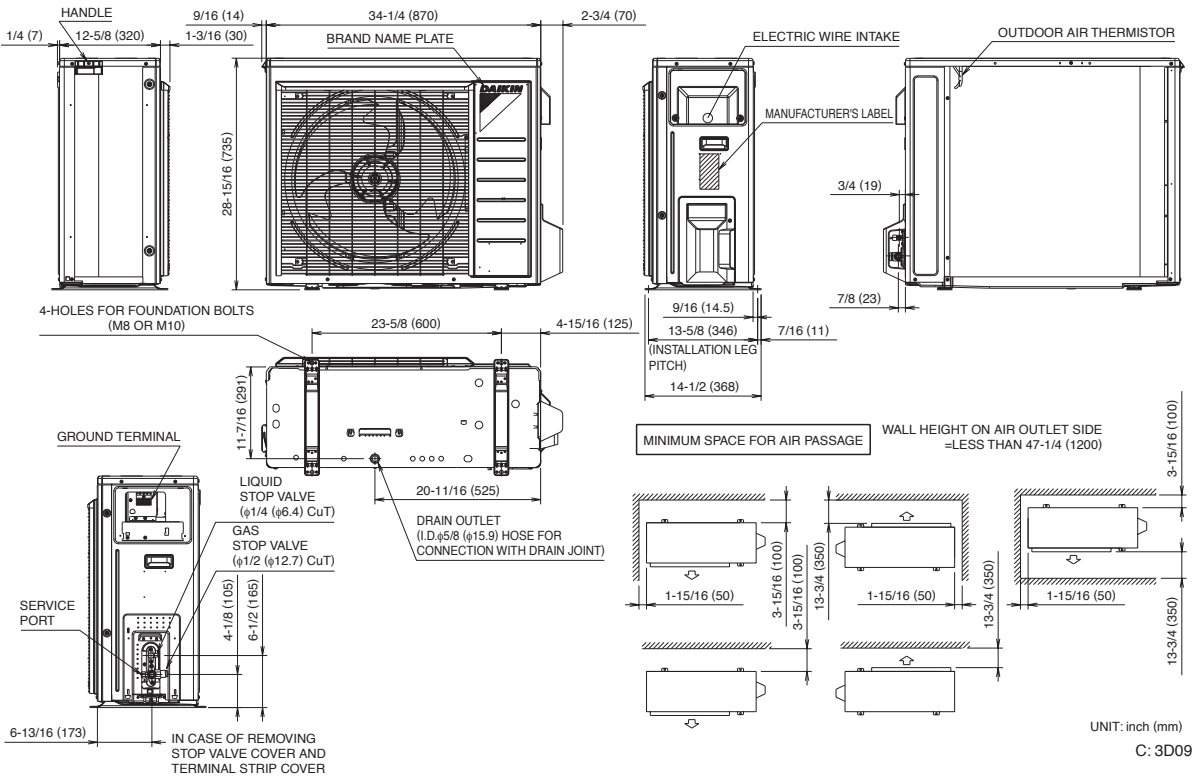


RXL09QMVJU, RXL12QMVJU



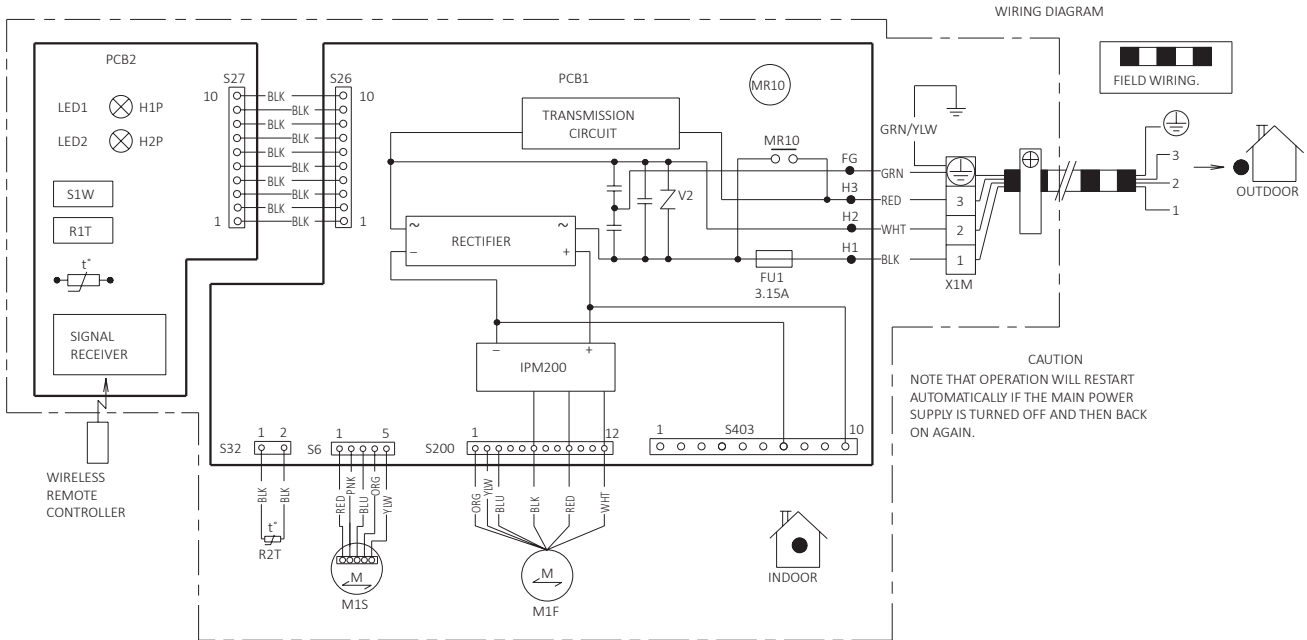
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FTX09NMVJU, FTX12NMVJU



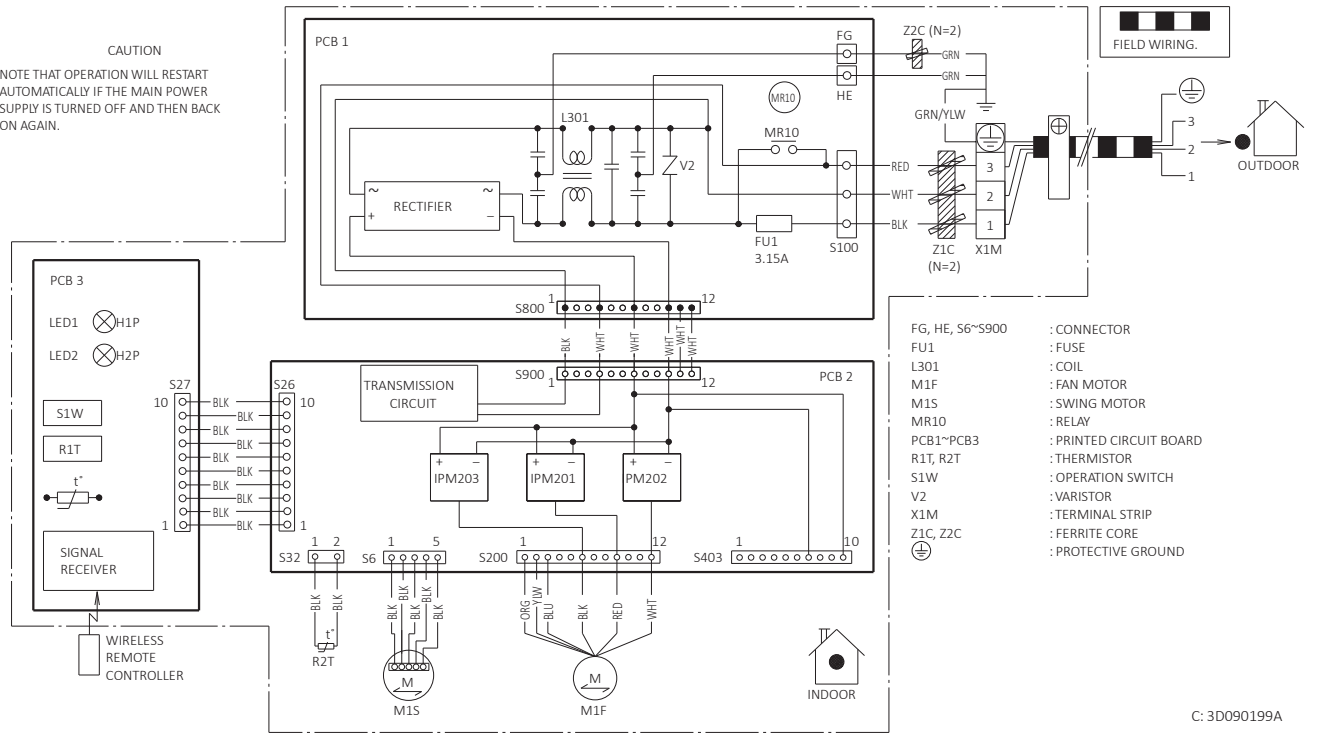
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|-------------------|------------------------------------|------------------------|-----------------------|
| FG : FRAME GROUND | M15 : SWING MOTOR | S1W : OPERATION SWITCH | ⊕ : PROTECTIVE GROUND |
| FU1 : FUSE | PCB1, PCB2 : PRINTED CIRCUIT BOARD | X1M : TERMINAL STRIP | |
| H1~H3 : HARNESS | R1T, R2T : THERMISTOR | V2 : VARISTOR | |
| M1F : FAN MOTOR | S6~S403 : CONNECTOR | MR10 : RELAY | |

C: 3D086429C

FTX15NMVJU

WIRING DIAGRAM

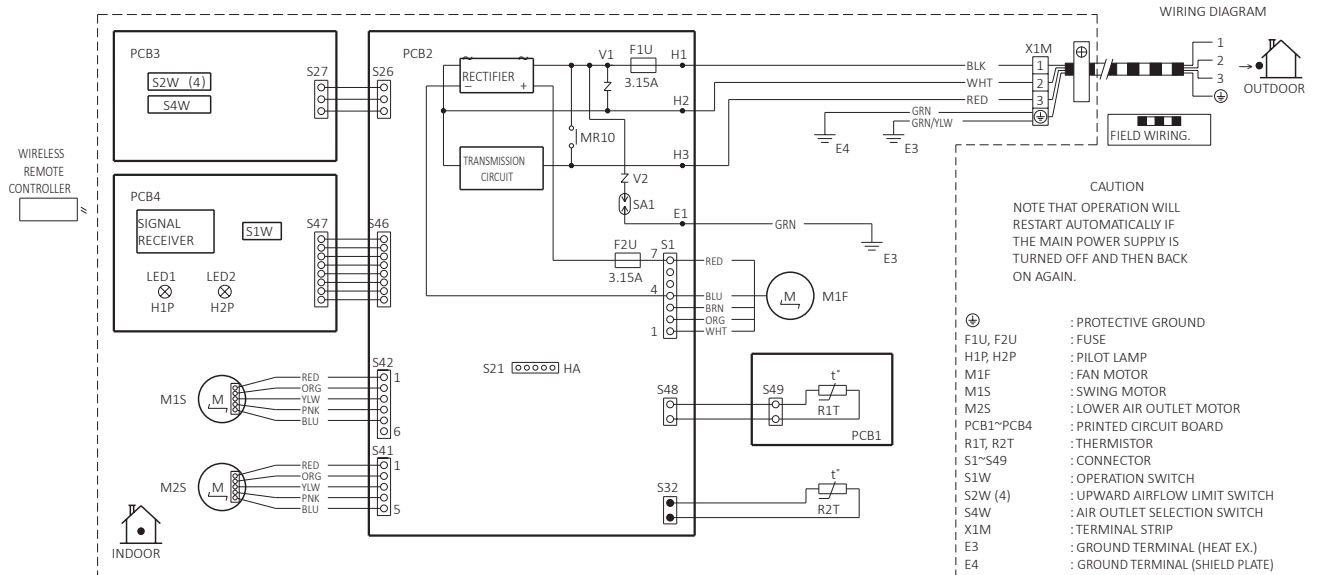
CAUTION
NOTE THAT OPERATION WILL RESTART AUTOMATICALLY IF THE MAIN POWER SUPPLY IS TURNED OFF AND THEN BACK ON AGAIN.



- | | |
|-----------------|-------------------------|
| FG, HE, S6~S900 | : CONNECTOR |
| FU1 | : FUSE |
| L301 | : COIL |
| M1F | : FAN MOTOR |
| M15 | : SWING MOTOR |
| MR10 | : RELAY |
| PCB1~PCB3 | : PRINTED CIRCUIT BOARD |
| R1T, R2T | : THERMISTOR |
| S1W | : OPERATION SWITCH |
| V2 | : VARISTOR |
| X1M | : TERMINAL STRIP |
| Z1C, Z2C | : FERRITE CORE |
| ⊕ | : PROTECTIVE GROUND |

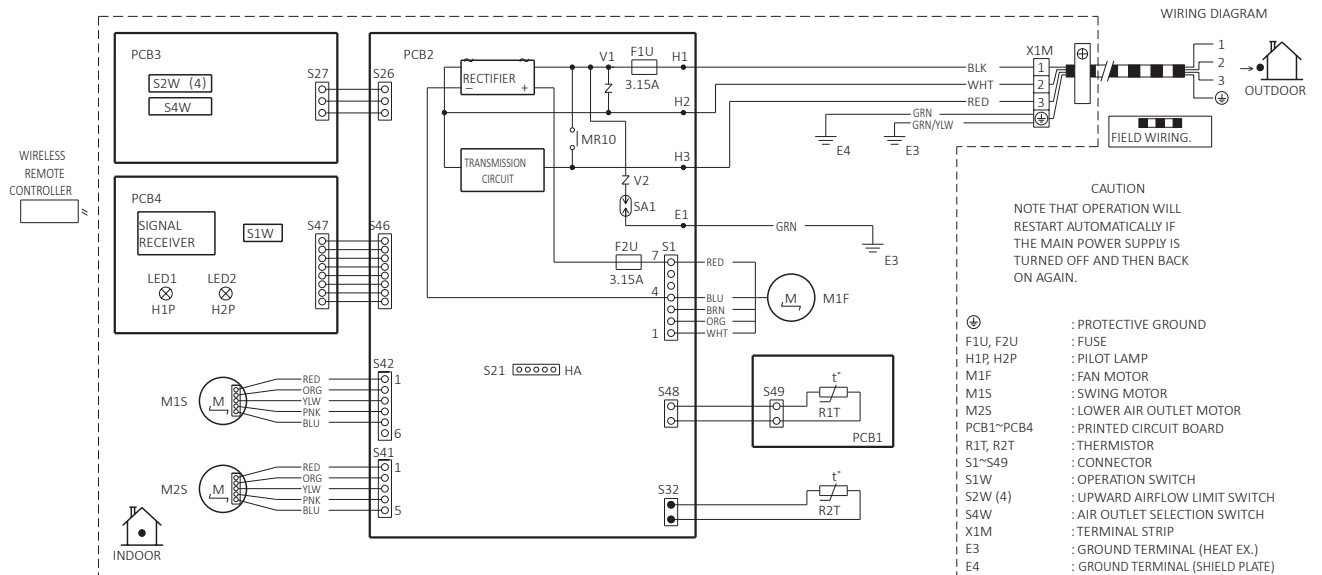
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FVXS09NVJU, FVXS12NVJU



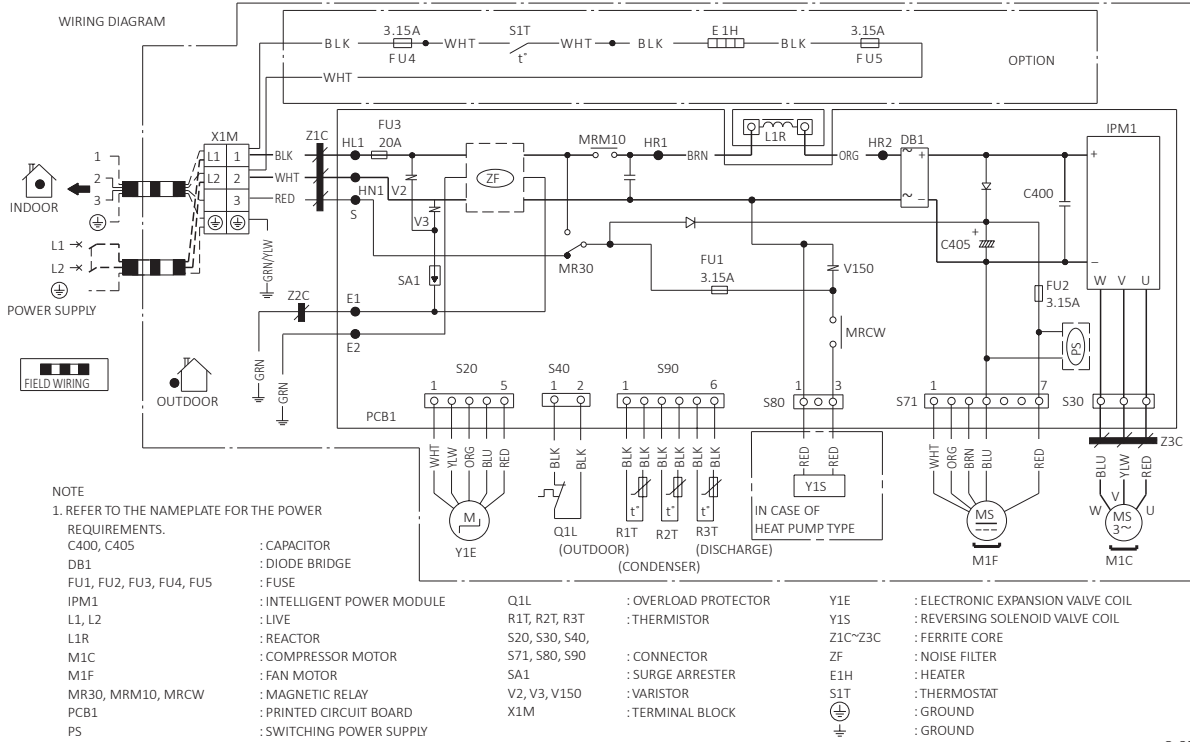
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FVXS15NVJU



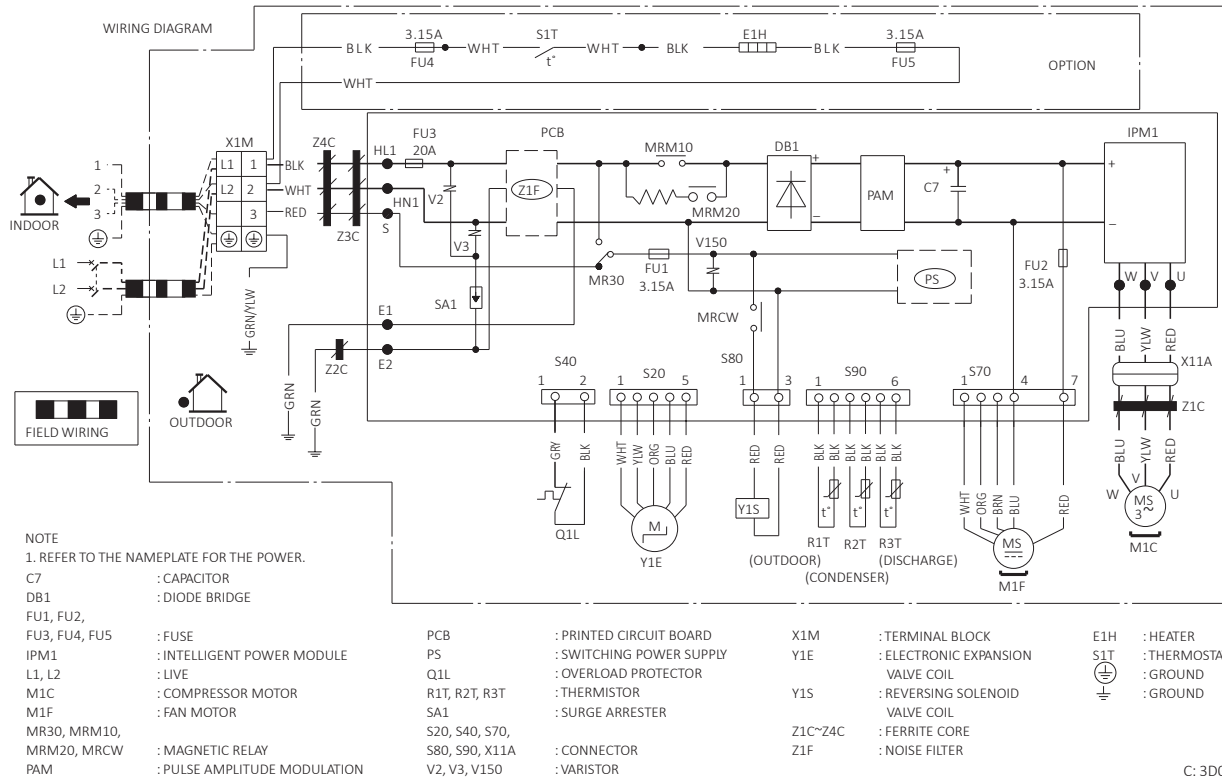
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RXL09QMVJU



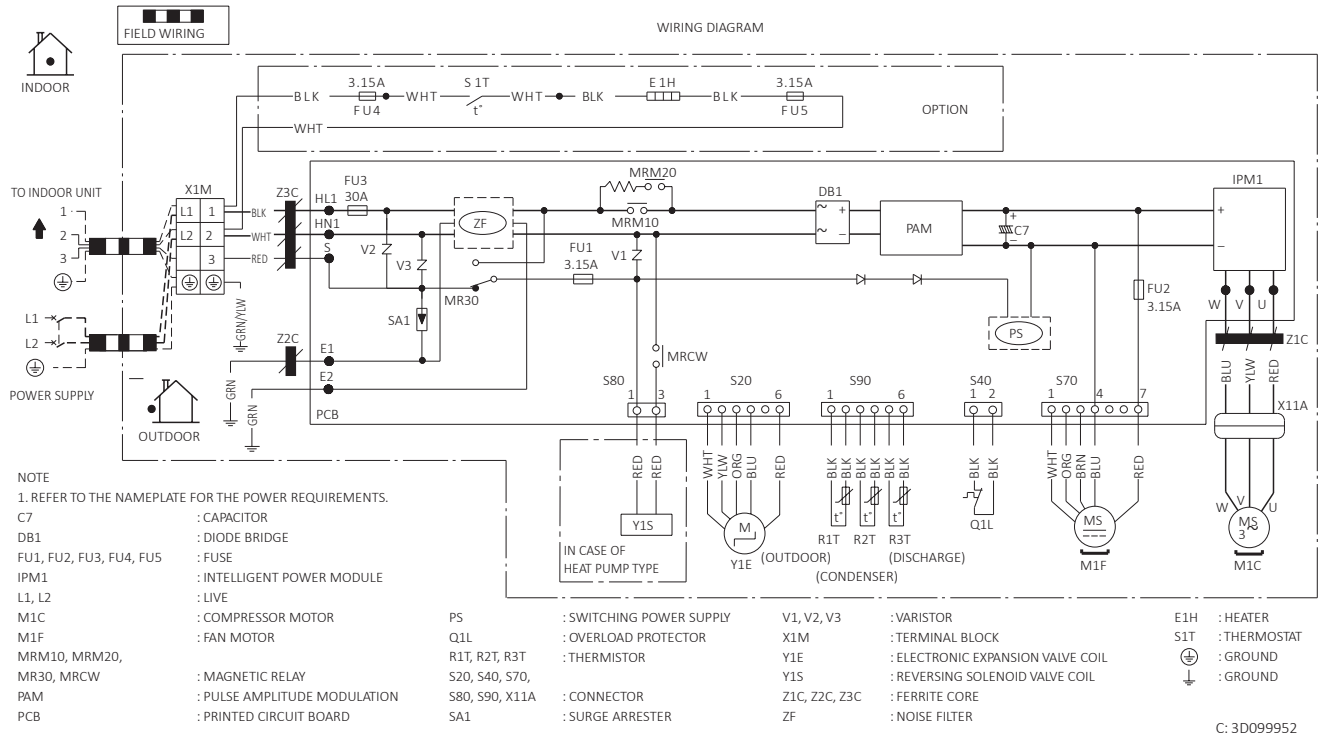
C: 3D099947

RXL12QMVJU



C: 3D099948

RXL15QMVJU



	ACCESSORY DESCRIPTION	PART NUMBERS	
		UNIT SIZES: 9 & 12	UNIT SIZE: 15
INDOOR UNIT	Wired remote controller & adaptor	BRC944B2 + KRP067A41	BRC944B2 + KRP980B2
	Cord for remote controller (3m)	BRCW901A03	BRCW901A03
	Cord for remote controller (8m)	BRCW901A08	BRCW901A08
	Five-room centralized controller	KRC72A	KRC72A
	Adopter PCB (normal open/normal open pulse contact)	KRP413AB1S + KRP067A41	KRP413AB1S + KRP980B2
	Titanium apatite photocatalytic air-purifying filter**	KAF970A46	KAF970A45 or KAF970A46**
	Remote controller loss prevention with chain	KKF936A4	KKF936A4
	Interface adaptor for DIII-NET use	KRP928BB2S + KRP067A41	KRP928BB2S + KRP980B2
	Central remote controller	DCS302C71	DCS302C71
	Unified ON/OFF controller	DCS301C71	DCS301C71
	Schedule timer	DST301BA61	DST301BA61
	Standard remote controller for HP units	ARC480A6	ARC480A6
	ENVi - WiFi enabled controller	DACA-TS1-1 + KRP067A41	DACA-TS1-1 + KRP980B2
OUTDOOR UNIT	Air direction adjustment grille	KPW937E4	KPW063A4
	Drain plug*	KKP937A4	KKP937A4
	Drain pan heater	KEHO67A41E	KEHO63A4E
	Back protection wire net	KKG067A41	KKG063A42
	Snow Hoods:		
	Side	KPS067A41	KPS063A41
	Back	KPS067A42	KPS063A44
Discharge	KPS067A44	KPS063A47	

* Standard accessory (Drain plug is only for Heat Pump models)

** KAF970A46 filter without frame, KAF970A45 filter with frame



Job #4490882

Full Installation Proposal Additional Information

House Type

Residential, Duplex, Condo, please describe

Single Family

Other house type (please describe)

Site Built Single

Year Built

This is an estimate

1925

Total Square Footage

This is an estimate

1392

Number of levels in home

Please enter if location is in Energy Trust Territory (not required). Finished basement counts as a level.

2

Primary Heat Type

Gas Furnace

Other primary heat (please describe)

Radiant floor gas

Secondary Heat Type

None

Other secondary heat (please describe)

NA

Existing Cooling Present

no

Basement Type

Full basement

Other basement type (please describe)

Semi finished

Utility

Name of customer's electric utility

PGE

Flood Plain?

Is the customer's location in a flood plain?

no

Install Notes

Indoor Unit Location #1

Bedroom



Indoor Unit Location #2

N/A

Indoor Unit Location #3

N/A

Indoor Unit Location #4

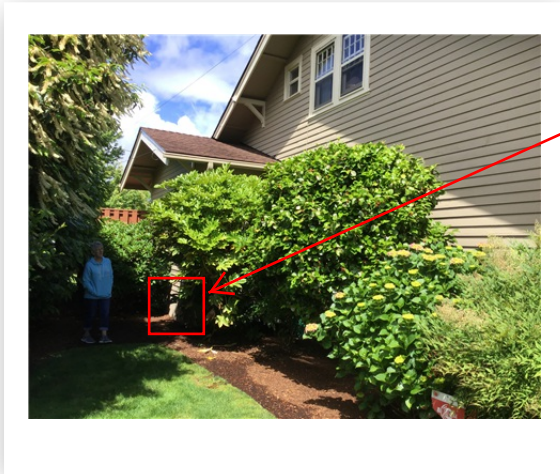
N/A

Indoor Unit Location #5

N/A

Additional Indoor Unit Notes

Na



Outdoor Unit Location #1

Provide detailed description of location

Outside in "flower bed" on ground around corner.



Outdoor unit

Outdoor Unit Location #2

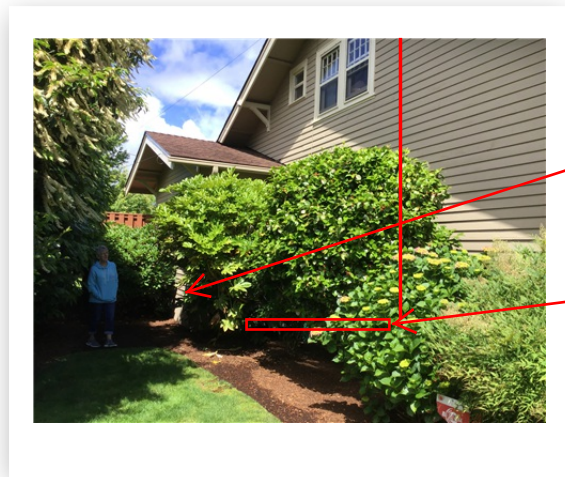
N/A if no second unit

NA

Lineset path(s)

Description of path from indoor to outdoor unit(s) including approximate length

Around corner over up to second floor and to upstairs bedroom unit



Outdoor unit hidden behind bushes from street.

Line sets to run low behind bushes and up to upstairs bedroom and can be painted the same color as house.

Financing?

Is the customer obtaining financing?

no

If yes, name of loan provider

NA

Additional Notes

NA
