



## SUBMITTAL DATA

Job Name Newburgh CTE

For

Sold To

Prepared For

Customer PO#

Prepared By **David Shumpert**

Date 6/6/2024

Job Information		Technical Data Sheet
Job Name	Newburgh CTE	
Date	6/6/2024	
Submitted By	Jacob Andrews	
Software Version	12.60	
Unit Tag	RTU-A -124, RTU-A -125, RTU-A -128	



Unit Overview					
Model Number	Voltage V/Hz/Phase	Design Cooling Capacity Btu/hr	AHRI360 Standard Efficiency		ASHRAE 90.1-2022 Compliant
			EER	IEER	
DPSC07B	460/60/3	92658	12.0	21.7	ASHRAE 90.1-2022 compliant

Unit	
Model Number:	DPSC07B
Model Type:	Cooling
Heat Type:	Hot Water
Hot Gas Reheat:	MHGRH
Energy Recovery:	None
Application:	Variable Air Volume, Single Zone (Mixed Air or 100% OA)
Controls:	Microtech
Outside Air:	0-100% Economizer with Comparative Enthalpy Control
Altitude:	0 ft
Approval	cETLus

Physical			
Dimensions and Weight			
Length	Height*	Width	Weight*
101.6 in	85.9 in	73.4 in	2024 lb
Construction			
Exterior	Insulation and Liners	Air Opening Location	
		Return	Supply
Painted Galvanized Steel	1" Injected Foam, R-7, Galvanized Steel Liner	Bottom	Bottom

Electrical			
Unit FLA	MCA	MROPD	SCCR
20.8 A	24.0 A	35 A	10 kAIC
Note:	Use only copper supply wires with ampacity based on 75° C conductor rating. Connections to terminals must be made with copper lugs and copper wire.		

Job Information		Technical Data Sheet
Job Name	Newburgh CTE	
Date	6/6/2024	
Submitted By	Jacob Andrews	
Software Version	12.60	
Unit Tag	RTU-B-129	



Unit Overview					
Model Number	Voltage V/Hz/Phase	Design Cooling Capacity Btu/hr	AHRI360 Standard Efficiency		ASHRAE 90.1-2022 Compliant
			EER	IEER	
DPSC12B	460/60/3	141086	12.2	20.8	ASHRAE 90.1-2022 compliant

Unit	
Model Number:	DPSC12B
Model Type:	Cooling
Heat Type:	Hot Water
Hot Gas Reheat:	MHGRH
Energy Recovery:	None
Application:	Variable Air Volume, Single Zone (Mixed Air or 100% OA)
Controls:	Microtech
Outside Air:	0-100% Economizer with Comparative Enthalpy Control
Altitude:	0 ft
Approval	cETLus

Physical			
Dimensions and Weight			
Length	Height*	Width	Weight*
101.6 in	85.9 in	73.4 in	2202 lb
Construction			
Exterior	Insulation and Liners	Air Opening Location	
		Return	Supply
Painted Galvanized Steel	1" Injected Foam, R-7, Galvanized Steel Liner	Bottom	Bottom

Electrical			
Unit FLA	MCA	MROPD	SCCR
36.6 A	42.9 A	60 A	10 kAIC
Note:	Use only copper supply wires with ampacity based on 75° C conductor rating. Connections to terminals must be made with copper lugs and copper wire.		

Job Information		Technical Data Sheet
Job Name	Newburgh CTE	
Date	6/6/2024	
Submitted By	Jacob Andrews	
Software Version	12.60	
Unit Tag	RTU-C-119	



Unit Overview					
Model Number	Voltage V/Hz/Phase	Design Cooling Capacity Btu/hr	AHRI360 Standard Efficiency		ASHRAE 90.1-2022 Compliant
			EER	IEER	
DPSC12B	460/60/3	143050	12.2	20.8	ASHRAE 90.1-2022 compliant

Unit	
Model Number:	DPSC12B
Model Type:	Cooling
Heat Type:	Hot Water
Hot Gas Reheat:	MHGRH
Energy Recovery:	None
Application:	Variable Air Volume, Single Zone (Mixed Air or 100% OA)
Controls:	Microtech
Outside Air:	0-100% Economizer with Comparative Enthalpy Control
Altitude:	0 ft
Approval	cETLus

Physical			
Dimensions and Weight			
Length	Height*	Width	Weight*
101.6 in	85.9 in	73.4 in	2202 lb
Construction			
Exterior	Insulation and Liners	Air Opening Location	
		Return	Supply
Painted Galvanized Steel	1" Injected Foam, R-7, Galvanized Steel Liner	Bottom	Bottom

Electrical			
Unit FLA	MCA	MROPD	SCCR
36.6 A	42.9 A	60 A	10 kAIC
Note:	Use only copper supply wires with ampacity based on 75° C conductor rating. Connections to terminals must be made with copper lugs and copper wire.		

Job Information		Technical Data Sheet
Job Name	Newburgh CTE	
Date	6/6/2024	
Submitted By	Jacob Andrews	
Software Version	12.60	
Unit Tag	RTU-D-120	



Unit Overview					
Model Number	Voltage V/Hz/Phase	Design Cooling Capacity Btu/hr	AHRI360 Standard Efficiency		ASHRAE 90.1-2022 Compliant
			EER	IEER	
DPSC20B	460/60/3	238572	11.3	21.8	ASHRAE 90.1-2022 compliant

Unit	
Model Number:	DPSC20B
Model Type:	Cooling
Heat Type:	Hot Water
Hot Gas Reheat:	MHGRH
Energy Recovery:	None
Application:	Variable Air Volume, Single Zone (Mixed Air or 100% OA)
Controls:	Microtech
Outside Air:	0-100% Economizer with Comparative Enthalpy Control
Altitude:	0 ft
Approval	cETLus

Physical			
Dimensions and Weight			
Length	Height*	Width	Weight*
185.9 in	72.1 in	76.5 in	3462 lb
Construction			
Exterior	Insulation and Liners	Air Opening Location	
		Return	Supply
Painted Galvanized Steel	2" Injected Foam, R13, Galvanized Steel Liner	Bottom	Bottom

Electrical			
Unit FLA	MCA	MROPD	SCCR
58.4 A	64.7 A	80 A	10 kAIC
Note:	Use only copper supply wires with ampacity based on 75° C conductor rating. Connections to terminals must be made with copper lugs and copper wire.		

Job Information		Technical Data Sheet
Job Name	Newburgh CTE	
Date	6/6/2024	
Submitted By	Jacob Andrews	
Software Version	12.60	
Unit Tag	RTU-E -130.1, RTU-E -130.2	



Unit Overview					
Model Number	Voltage V/Hz/Phase	Design Cooling Capacity Btu/hr	AHRI360 Standard Efficiency		ASHRAE 90.1-2022 Compliant
			EER	IEER	
DPSC30B	460/60/3	333928	10.8	18.4	ASHRAE 90.1-2022 compliant

Unit	
Model Number:	DPSC30B
Model Type:	Cooling
Heat Type:	Hot Water
Hot Gas Reheat:	MHGRH
Energy Recovery:	None
Application:	Variable Air Volume, Single Zone (Mixed Air or 100% OA)
Controls:	Microtech
Outside Air:	0-100% Economizer with Comparative Enthalpy Control
Altitude:	0 ft
Approval	cETLus

Physical			
Dimensions and Weight			
Length	Height*	Width	Weight*
185.9 in	72.1 in	76.5 in	3851 lb
Construction			
Exterior	Insulation and Liners	Air Opening Location	
		Return	Supply
Painted Galvanized Steel	2" Injected Foam, R13, Galvanized Steel Liner	Bottom	Bottom

Electrical			
Unit FLA	MCA	MROPD	SCCR
75.8 A	82.0 A	100 A	10 kAIC
Note:	Use only copper supply wires with ampacity based on 75° C conductor rating. Connections to terminals must be made with copper lugs and copper wire.		

Job Information		Technical Data Sheet
Job Name	Newburgh CTE	
Date	6/6/2024	
Submitted By	Jacob Andrews	
Software Version	12.60	
Unit Tag	RTU-F-206	



Unit Overview					
Model Number	Voltage V/Hz/Phase	Design Cooling Capacity Btu/hr	AHRI360 Standard Efficiency		ASHRAE 90.1-2022 Compliant
			EER	IEER	
DPSC20B	460/60/3	238340	11.3	21.8	ASHRAE 90.1-2022 compliant

Unit	
Model Number:	DPSC20B
Model Type:	Cooling
Heat Type:	Hot Water
Hot Gas Reheat:	MHGRH
Energy Recovery:	None
Application:	Variable Air Volume, Single Zone (Mixed Air or 100% OA)
Controls:	Microtech
Outside Air:	0-100% Economizer with Comparative Enthalpy Control
Altitude:	0 ft
Approval	cETLus

Physical			
Dimensions and Weight			
Length	Height*	Width	Weight*
185.9 in	72.1 in	76.5 in	3462 lb
Construction			
Exterior	Insulation and Liners	Air Opening Location	
		Return	Supply
Painted Galvanized Steel	2" Injected Foam, R13, Galvanized Steel Liner	Bottom	Bottom

Electrical			
Unit FLA	MCA	MROPD	SCCR
58.4 A	64.7 A	80 A	10 kAIC
Note:	Use only copper supply wires with ampacity based on 75° C conductor rating. Connections to terminals must be made with copper lugs and copper wire.		

Job Information		Technical Data Sheet
Job Name	Newburgh CTE	
Date	6/6/2024	
Submitted By	Jacob Andrews	
Software Version	12.60	
Unit Tag	ERU-A-1.1	



**Unit Overview**

**Unit**

Model Number:	DPSC25B
Model Type:	Cooling
Heat Type:	Hot Water
Hot Gas Reheat:	MHGRH
Energy Recovery:	ERW-Large Cab-Econ: 5145cfm max, 100% OA: 8820 cfm max
Application:	Variable Air Volume, Single Zone (Mixed Air or 100% OA)
Controls:	Microtech
Outside Air:	100% Outside Air
Altitude:	0 ft
Approval	cETLus

**Physical**

Dimensions and Weight			
Length	Height*	Width	Weight*
205.9 in	72.1 in	76.5 in	4126 lb
Construction			
Exterior	Insulation and Liners	Air Opening Location	
		Return	Supply
Painted Galvanized Steel	2" Injected Foam, R13, Galvanized Steel Liner	Bottom	Bottom

**Electrical**

Unit FLA	MCA	MROPD	SCCR
70.0 A	76.3 A	100 A	10 kAIC
Note:	Use only copper supply wires with ampacity based on 75° C conductor rating. Connections to terminals must be made with copper lugs and copper wire.		

Job Information		Technical Data Sheet
Job Name	Newburgh CTE	
Date	6/6/2024	
Submitted By	Jacob Andrews	
Software Version	12.60	
Unit Tag	ERU-B-1.2	



**Unit Overview**

**Unit**

Model Number:	DPSC12B
Model Type:	Cooling
Heat Type:	Hot Water
Hot Gas Reheat:	MHGRH
Energy Recovery:	ERW-Med Cab-Econ: 2835 cfm max, 100% OA: 5145 cfm max
Application:	Variable Air Volume, Single Zone (Mixed Air or 100% OA)
Controls:	Microtech
Outside Air:	100% Outside Air
Altitude:	0 ft
Approval	cETLus

**Physical**

Dimensions and Weight			
Length	Height*	Width	Weight*
121.6 in	85.9 in	73.4 in	2482 lb
Construction			
Exterior	Insulation and Liners	Air Opening Location	
		Return	Supply
Painted Galvanized Steel	1" Injected Foam, R-7, Galvanized Steel Liner	Bottom	Bottom

**Electrical**

Unit FLA	MCA	MROPD	SCCR
36.1 A	42.3 A	60 A	10 kAIC
Note:	Use only copper supply wires with ampacity based on 75° C conductor rating. Connections to terminals must be made with copper lugs and copper wire.		

Job Information		Technical Data Sheet
Job Name	Newburgh CTE	
Date	6/6/2024	
Submitted By	Jacob Andrews	
Software Version	12.60	
Unit Tag	ERU-C-2.1	



**Unit Overview**

**Unit**

Model Number:	DPSC20B
Model Type:	Cooling
Heat Type:	Hot Water
Hot Gas Reheat:	MHGRH
Energy Recovery:	ERW-Large Cab-Econ: 5145cfm max, 100% OA: 8820 cfm max
Application:	Variable Air Volume, Single Zone (Mixed Air or 100% OA)
Controls:	Microtech
Outside Air:	100% Outside Air
Altitude:	0 ft
Approval	cETLus

**Physical**

Dimensions and Weight			
Length	Height*	Width	Weight*
205.9 in	72.1 in	76.5 in	4003 lb
Construction			
Exterior	Insulation and Liners	Air Opening Location	
		Return	Supply
Painted Galvanized Steel	2" Injected Foam, R13, Galvanized Steel Liner	Bottom	Bottom

**Electrical**

Unit FLA	MCA	MROPD	SCCR
61.2 A	67.4 A	90 A	10 kAIC
Note:	Use only copper supply wires with ampacity based on 75° C conductor rating. Connections to terminals must be made with copper lugs and copper wire.		

Job Information		Technical Data Sheet
Job Name	Newburgh CTE	
Date	6/6/2024	
Submitted By	Jacob Andrews	
Software Version	12.60	
Unit Tag	ERU-D-2.2	



**Unit Overview**

**Unit**

Model Number:	DPSC16B
Model Type:	Cooling
Heat Type:	Hot Water
Hot Gas Reheat:	MHGRH
Energy Recovery:	ERW-Large Cab-Econ: 5145cfm max, 100% OA: 8820 cfm max
Application:	Variable Air Volume, Single Zone (Mixed Air or 100% OA)
Controls:	Microtech
Outside Air:	100% Outside Air
Altitude:	0 ft
Approval	cETLus

**Physical**

Dimensions and Weight			
Length	Height*	Width	Weight*
205.9 in	72.1 in	76.5 in	3893 lb
Construction			
Exterior	Insulation and Liners	Air Opening Location	
		Return	Supply
Painted Galvanized Steel	2" Injected Foam, R13, Galvanized Steel Liner	Bottom	Bottom

**Electrical**

Unit FLA	MCA	MROPD	SCCR
47.2 A	53.4 A	70 A	10 kAIC
Note:	Use only copper supply wires with ampacity based on 75° C conductor rating. Connections to terminals must be made with copper lugs and copper wire.		

Job Information		Technical Data Sheet
Job Name	Newburgh CTE	
Date	6/6/2024	
Submitted By	Jacob Andrews	
Software Version	12.60	
Unit Tag	ERU-E-2.3	



**Unit Overview**

**Unit**

Model Number:	DPSC20B
Model Type:	Cooling
Heat Type:	Hot Water
Hot Gas Reheat:	MHGRH
Energy Recovery:	ERW-Large Cab-Econ: 5145cfm max, 100% OA: 8820 cfm max
Application:	Variable Air Volume, Single Zone (Mixed Air or 100% OA)
Controls:	Microtech
Outside Air:	100% Outside Air
Altitude:	0 ft
Approval	cETLus

**Physical**

Dimensions and Weight			
Length	Height*	Width	Weight*
205.9 in	72.1 in	76.5 in	3893 lb
Construction			
Exterior	Insulation and Liners	Air Opening Location	
		Return	Supply
Painted Galvanized Steel	2" Injected Foam, R13, Galvanized Steel Liner	Bottom	Bottom

**Electrical**

Unit FLA	MCA	MROPD	SCCR
61.2 A	67.4 A	90 A	10 kAIC
Note:	Use only copper supply wires with ampacity based on 75° C conductor rating. Connections to terminals must be made with copper lugs and copper wire.		

Job Information		Technical Data Sheet
Job Name	Newburgh CTE	
Date	6/6/2024	
Submitted By	Jacob Andrews	
Software Version	12.60	
Unit Tag	ERU-F-3.3	



**Unit Overview**

**Unit**

Model Number:	DPSC17B
Model Type:	Cooling
Heat Type:	Hot Water
Hot Gas Reheat:	MHGRH
Energy Recovery:	ERW-Med Cab-Econ: 2835 cfm max, 100% OA: 5145 cfm max
Application:	Variable Air Volume, Single Zone (Mixed Air or 100% OA)
Controls:	Microtech
Outside Air:	100% Outside Air
Altitude:	0 ft
Approval	cETLus

**Physical**

Dimensions and Weight			
Length	Height*	Width	Weight*
121.6 in	85.9 in	73.4 in	3429 lb
Construction			
Exterior	Insulation and Liners	Air Opening Location	
		Return	Supply
Painted Galvanized Steel	1" Injected Foam, R-7, Galvanized Steel Liner	Bottom	Bottom

**Electrical**

Unit FLA	MCA	MROPD	SCCR
49.6 A	58.6 A	90 A	10 kAIC
Note:	Use only copper supply wires with ampacity based on 75° C conductor rating. Connections to terminals must be made with copper lugs and copper wire.		

Job Information		Technical Data Sheet
Job Name	Newburgh CTE	
Date	6/6/2024	
Submitted By	Jacob Andrews	
Software Version	12.60	
Unit Tag	ERU-G-117	



Unit Overview					
Model Number	Voltage V/Hz/Phase	Design Cooling Capacity Btu/hr	AHRI360 Standard Efficiency		ASHRAE 90.1-2022 Compliant
			EER	IEER	
DPSC25B	460/60/3	287303	11.3	19.6	ASHRAE 90.1-2022 compliant

Unit	
Model Number:	DPSC25B
Model Type:	Cooling
Heat Type:	Hot Water
Hot Gas Reheat:	MHGRH
Energy Recovery:	ERW-Large Cab-Econ: 5145cfm max, 100% OA: 8820 cfm max
Application:	Variable Air Volume, Single Zone (Mixed Air or 100% OA)
Controls:	Microtech
Outside Air:	0-100% Economizer with Drybulb Control
Altitude:	0 ft
Approval	cETLus

Physical			
Dimensions and Weight			
Length	Height*	Width	Weight*
205.9 in	72.1 in	76.5 in	4209 lb
Construction			
Exterior	Insulation and Liners	Air Opening Location	
		Return	Supply
Painted Galvanized Steel	2" Injected Foam, R13, Galvanized Steel Liner	Bottom	Bottom

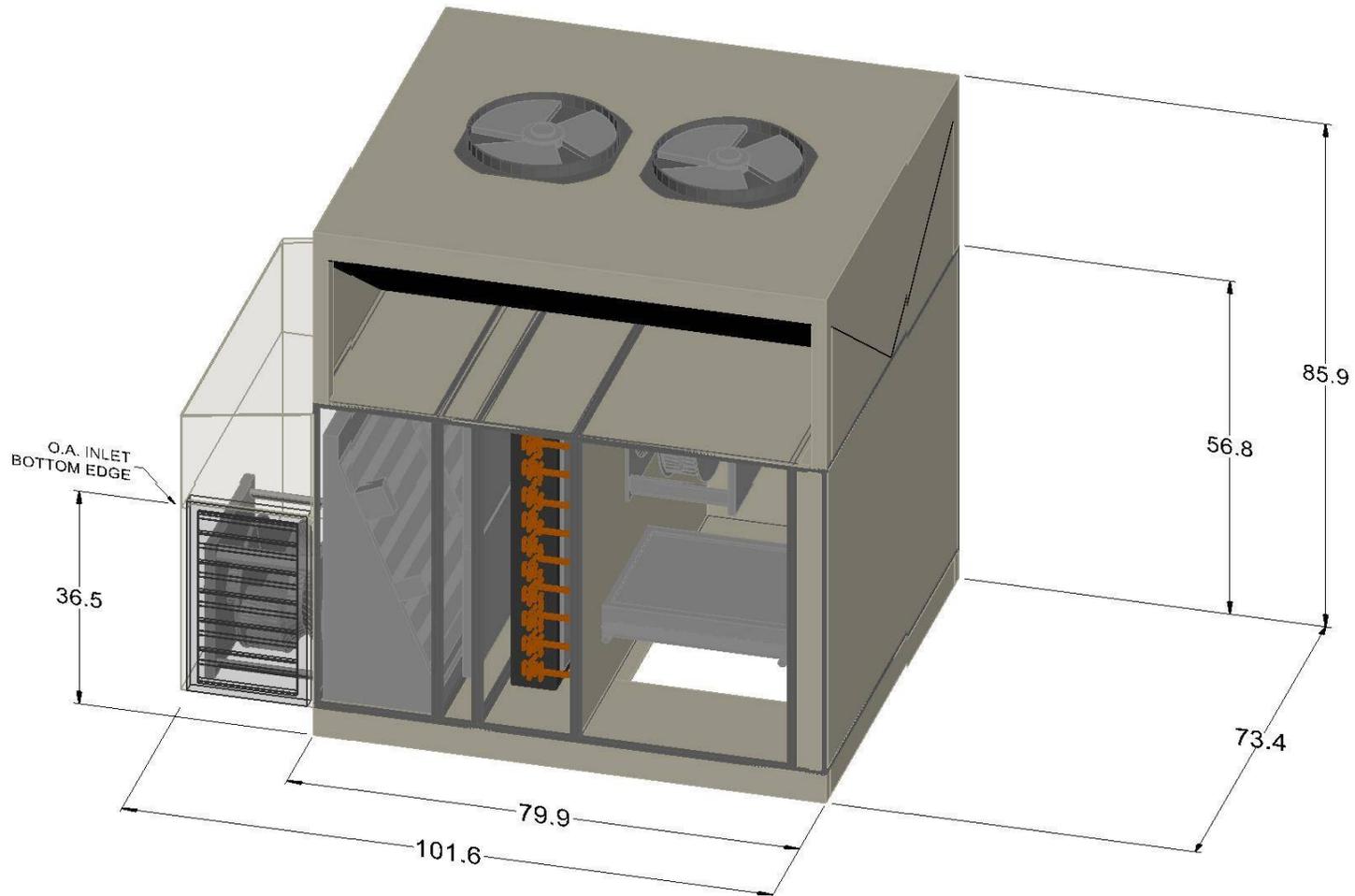
Electrical			
Unit FLA	MCA	MROPD	SCCR
74.0 A	80.2 A	100 A	10 kAIC
Note:	Use only copper supply wires with ampacity based on 75° C conductor rating. Connections to terminals must be made with copper lugs and copper wire.		

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Newburgh CTE

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6/6/2024



RTU-A

Rebel Drawings

Notes:  
 (1) Recommended location for optional field cut side power connection.

Product: Rebel		Unit Tag: RTU-A		Sales Office: Thermal Environment Sales			 13600 Industrial Park Blvd. Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 12.60
Model: DPSC07B		Project Name: Newburgh CTE		Sales Engineer:			
June 06, 2024	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in [mm]		

No change to this drawing may be made unless approved in writing by Daikin Applied. Purchaser must determine that the equipment is fit and sufficient for the job specifications.

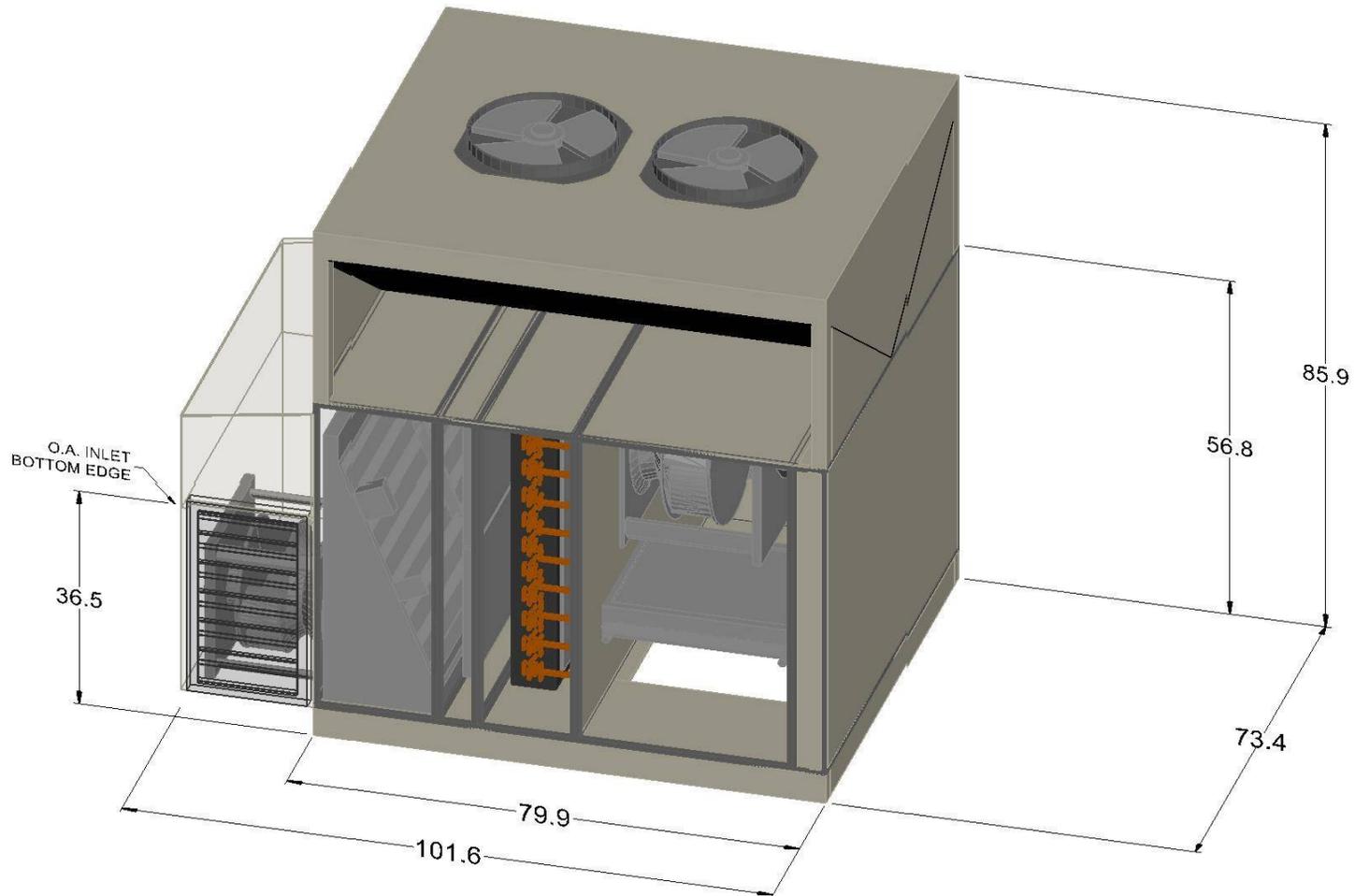
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**PREPURCHASED EQUIPMENT**  
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Newburgh CTE

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6/6/2024



RTU-B-129

Rebel Drawings

Notes:  
 (1) Recommended location for optional field cut side power connection.

Product: Rebel		Unit Tag: RTU-B-129		Sales Office: Thermal Environment Sales			 13600 Industrial Park Blvd. Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 12.60
Model: DPSC12B		Project Name: Newburgh CTE		Sales Engineer:			
June 06, 2024	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in [mm]		

No change to this drawing may be made unless approved in writing by Daikin Applied. Purchaser must determine that the equipment is fit and sufficient for the job specifications.

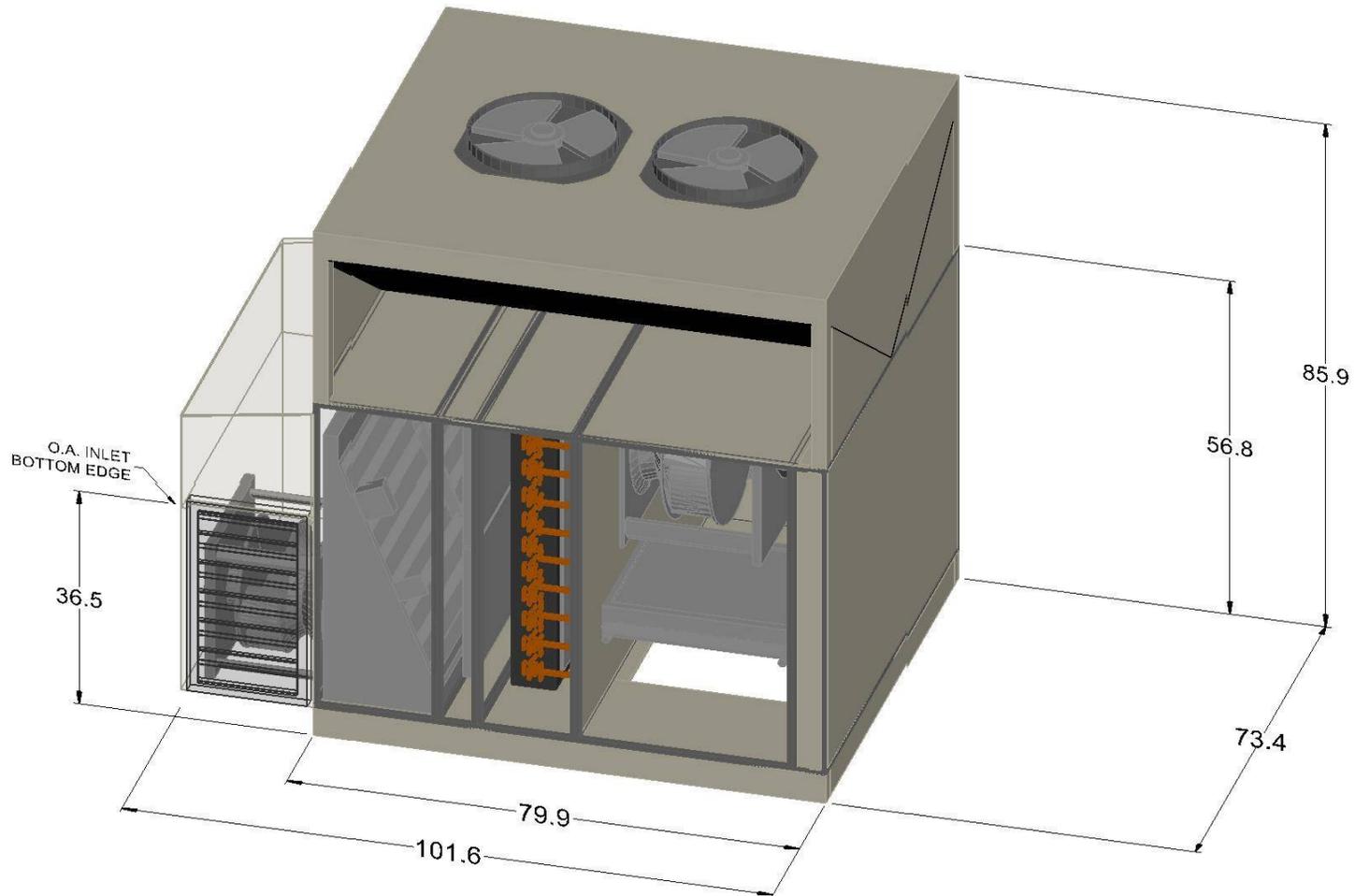
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Newburgh CTE

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6/6/2024



RTU-C-119

Rebel Drawings

Notes:  
 (1) Recommended location for optional field cut side power connection.

Product: Rebel		Unit Tag: RTU-C-119		Sales Office: Thermal Environment Sales			 13600 Industrial Park Blvd. Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 12.60
Model: DPSC12B		Project Name: Newburgh CTE		Sales Engineer:			
June 06, 2024	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in [mm]		

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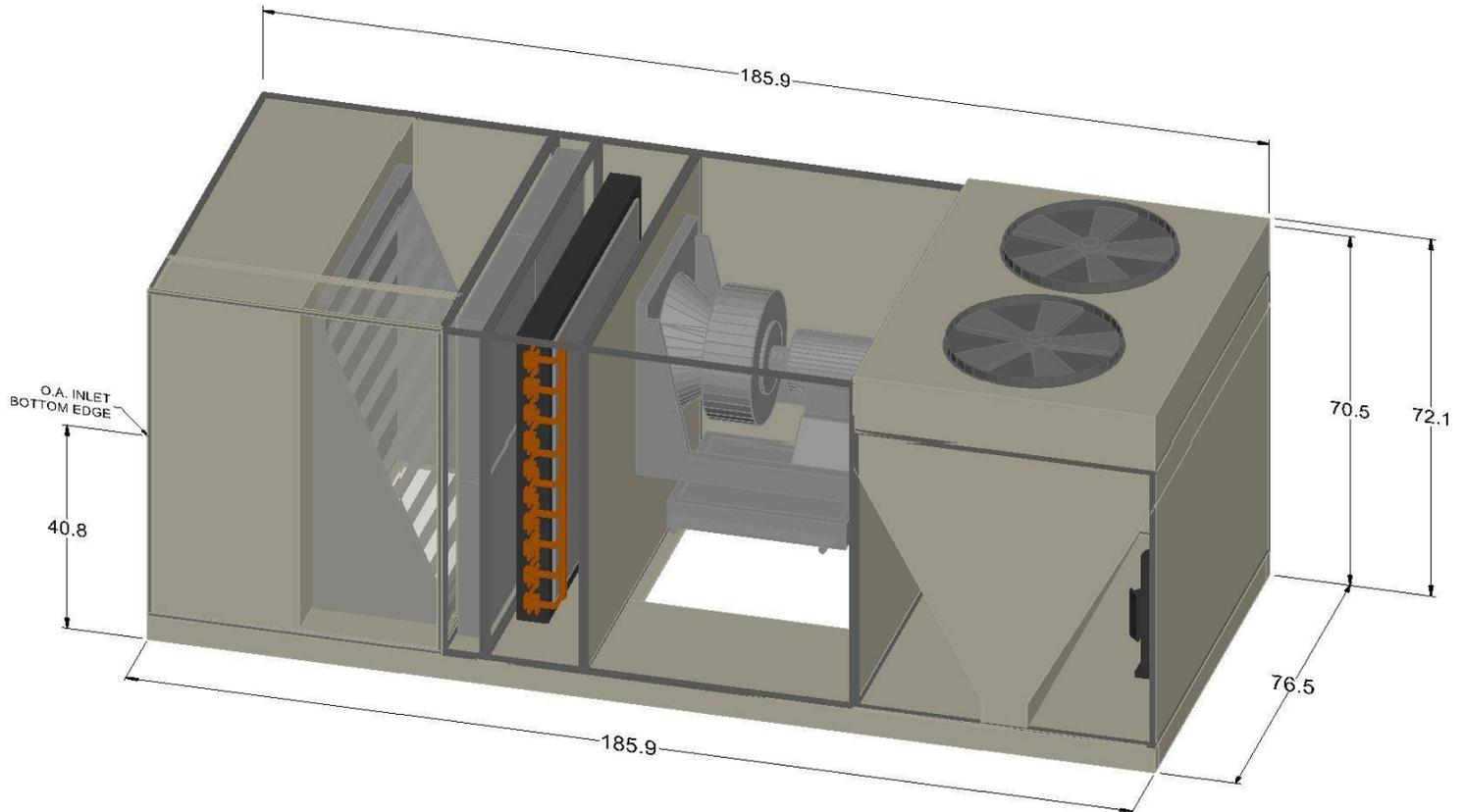
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Newburgh CTE

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RTU-D-120

Rebel Drawings

Notes:  
 (1) Recommended location for optional field cut side power connection.

Product: Rebel		Unit Tag: RTU-D-120		Sales Office: Thermal Environment Sales			 13600 Industrial Park Blvd. Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 12.60
Model: DPSC20B		Project Name: Newburgh CTE		Sales Engineer:			
June 06, 2024	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in [mm]		

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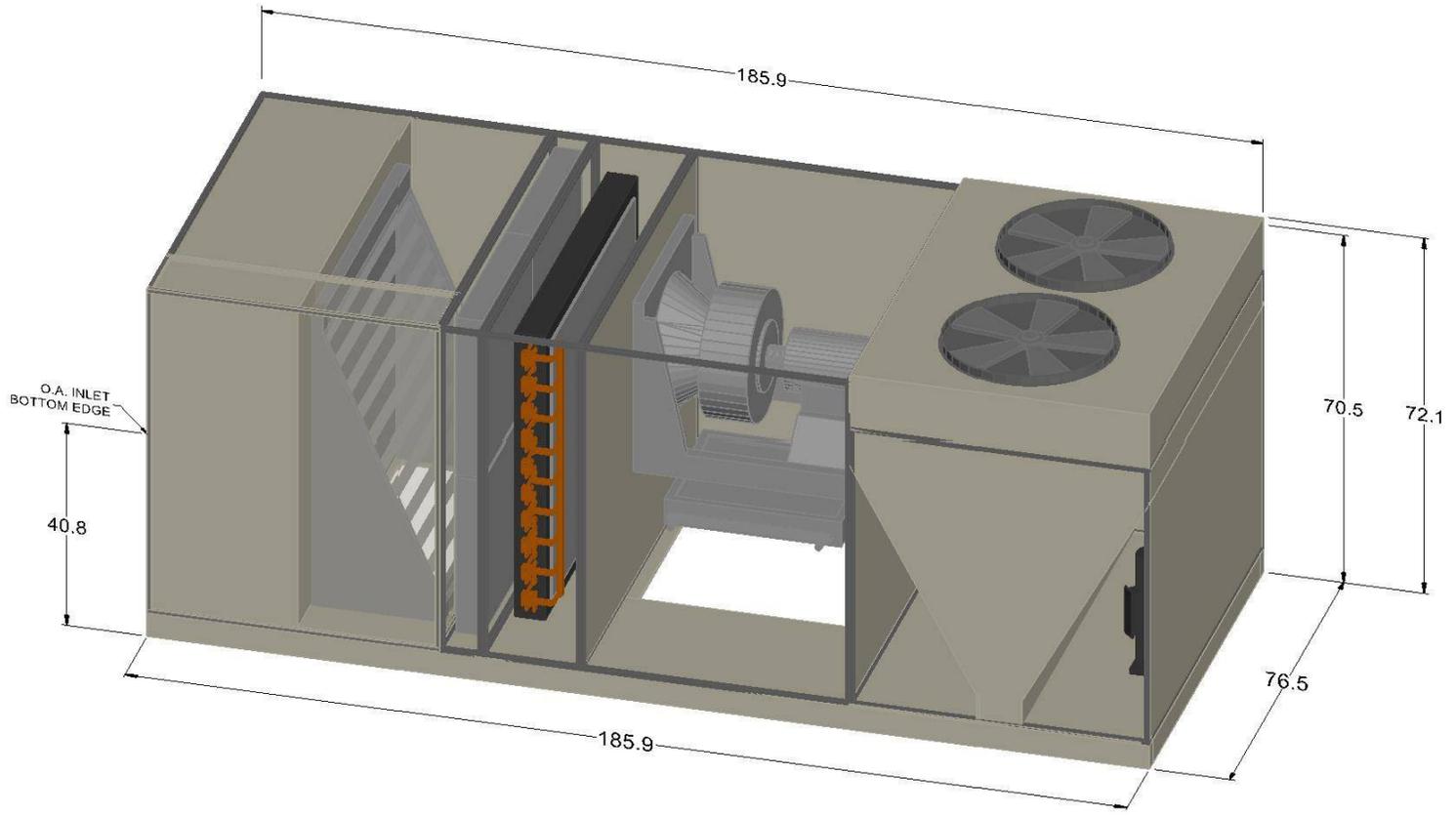
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**PREPURCHASED EQUIPMENT**  
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Newburgh CTE

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RTU-E

Rebel Drawings

Notes:  
 (1) Recommended location for optional field cut side power connection.

Product: Rebel		Unit Tag: RTU-E		Sales Office: Thermal Environment Sales			 13600 Industrial Park Blvd. Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 12.60
Model: DPSC30B		Project Name: Newburgh CTE		Sales Engineer:			
June 06, 2024	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in [mm]		

No change to this drawing may be made unless approved in writing by Daikin Applied. Purchaser must determine that the equipment is fit and sufficient for the job specifications.

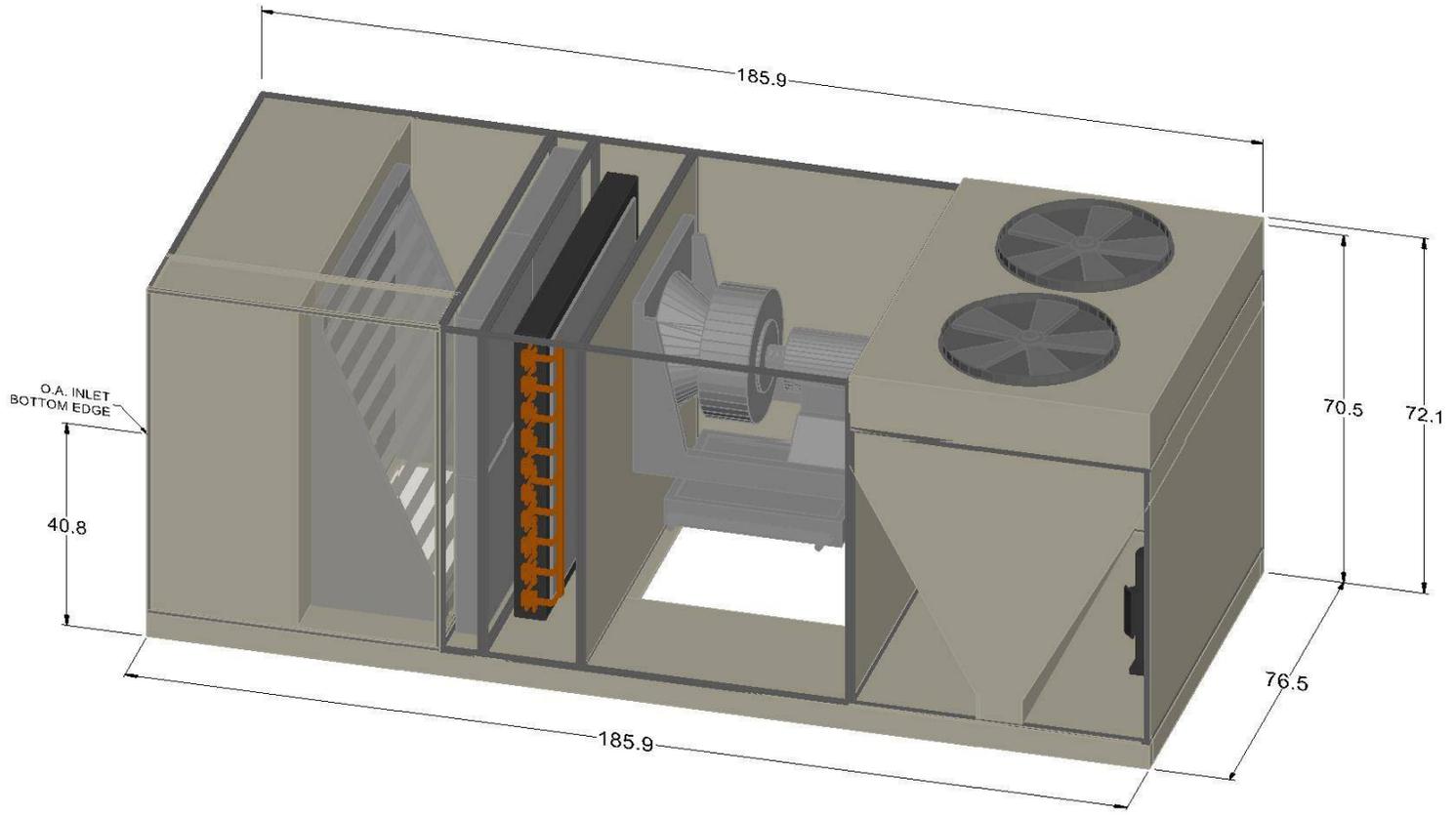
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**PREPURCHASED EQUIPMENT**  
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RTU-F-206

Rebel Drawings

Notes:  
 (1) Recommended location for optional field cut side power connection.

Product: Rebel		Unit Tag: RTU-F-206		Sales Office: Thermal Environment Sales			 13600 Industrial Park Blvd. Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 12.60
Model: DPSC20B		Project Name: Newburgh CTE		Sales Engineer:			
June 06, 2024	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in [mm]		

No change to this drawing may be made unless approved in writing by Daikin Applied. Purchaser must determine that the equipment is fit and sufficient for the job specifications.

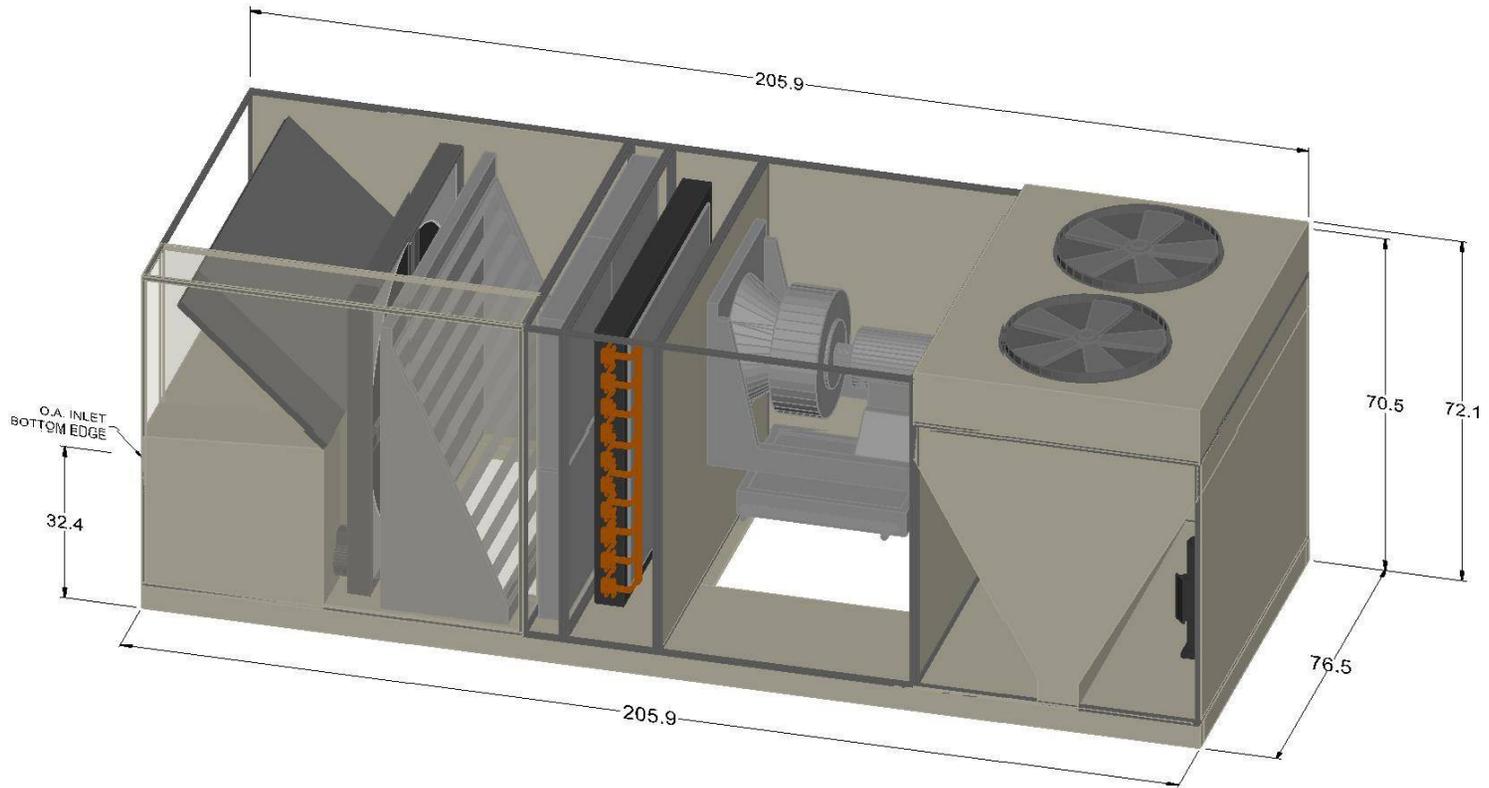
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**PREPURCHASED EQUIPMENT**  
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Newburgh CTE

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6/6/2024



ERU-A-1.1

Rebel Drawings

Notes:

(1) Recommended location for optional field cut side power connection.

Product: Rebel		Unit Tag: ERU-A-1.1		Sales Office: Thermal Environment Sales			 13600 Industrial Park Blvd. Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 12.60
Model: DPSC25B		Project Name: Newburgh CTE		Sales Engineer:			
June 06, 2024	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in [mm]		

No change to this drawing may be made unless approved in writing by Daikin Applied. Purchaser must determine that the equipment is fit and sufficient for the job specifications.

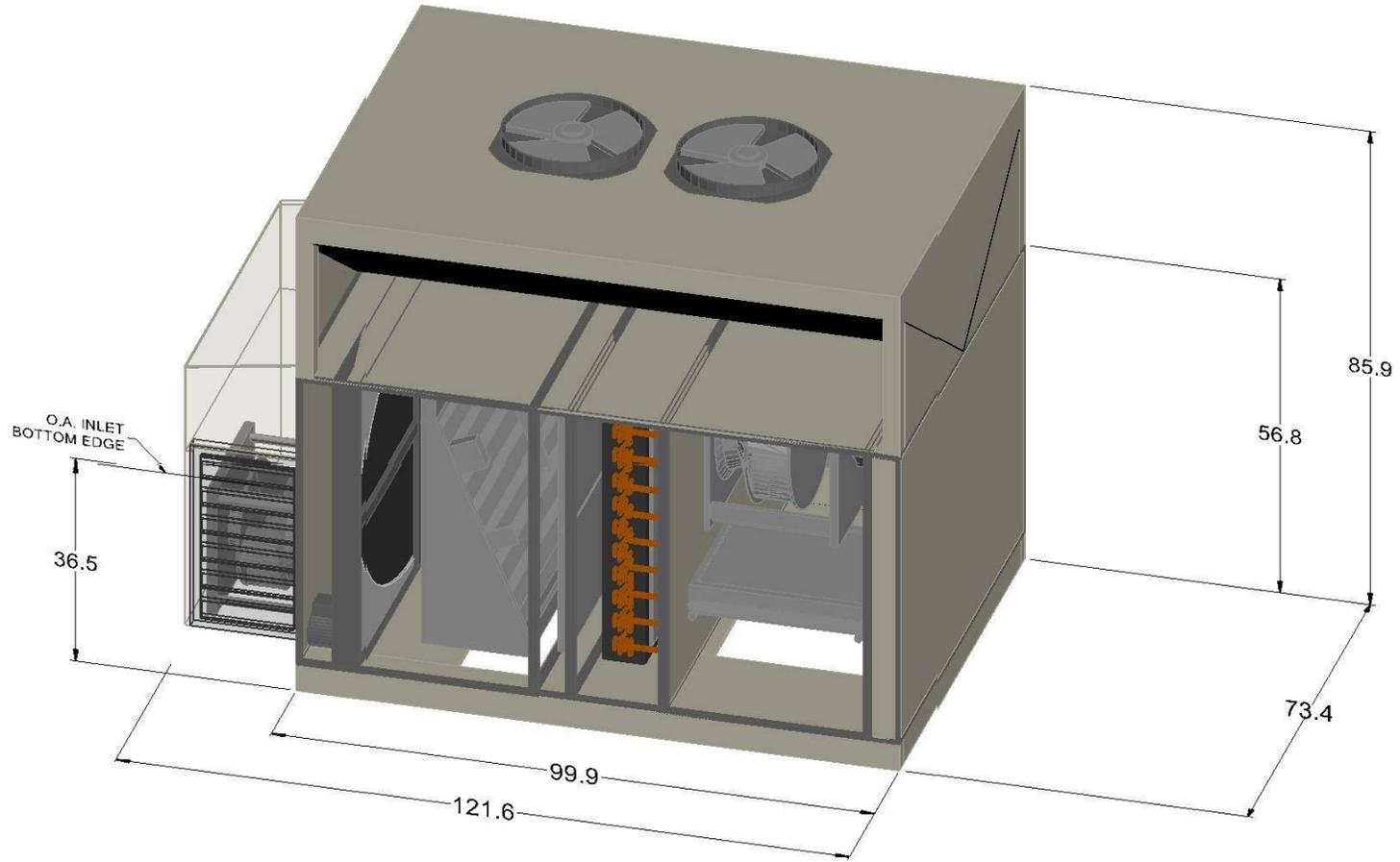
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PREPURCHASED EQUIPMENT  
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Newburgh CTE

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6/6/2024



ERU-B-1.2

Rebel Drawings

Notes:

(1) Recommended location for optional field cut side power connection.

Product: Rebel		Unit Tag: ERU-B-1.2		Sales Office: Thermal Environment Sales			 13600 Industrial Park Blvd. Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 12.60
Model: DPSC12B		Project Name: Newburgh CTE		Sales Engineer:			
June 06, 2024	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in [mm]		

No change to this drawing may be made unless approved in writing by Daikin Applied. Purchaser must determine that the equipment is fit and sufficient for the job specifications.

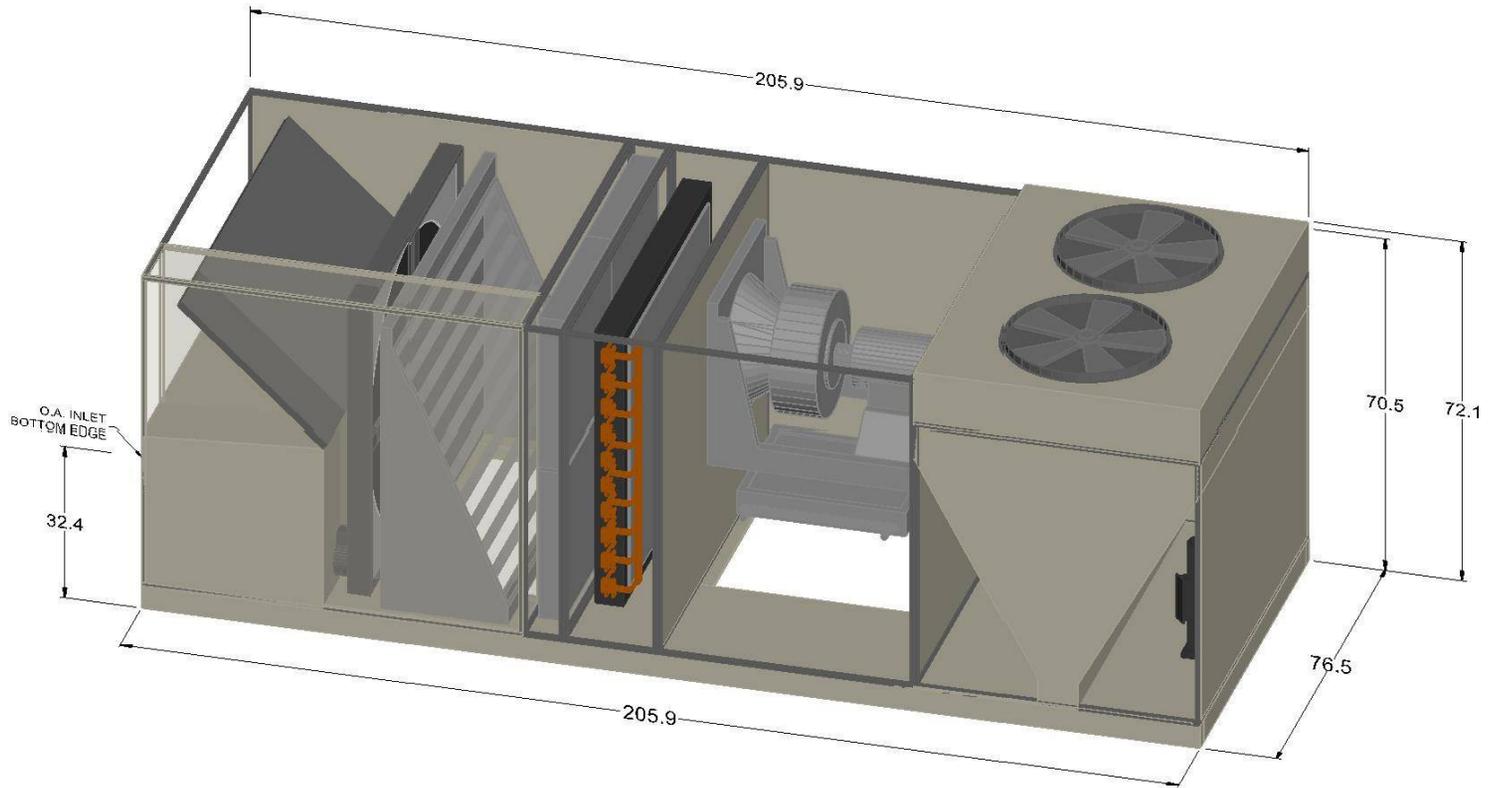
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PREPURCHASED EQUIPMENT  
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Newburgh CTE

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ERU-C-2.1

Rebel Drawings

Notes:

(1) Recommended location for optional field cut side power connection.

Product: Rebel		Unit Tag: ERU-C-2.1		Sales Office: Thermal Environment Sales			 13600 Industrial Park Blvd. Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 12.60
Model: DPSC20B		Project Name: Newburgh CTE		Sales Engineer:			
June 06, 2024	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in [mm]		

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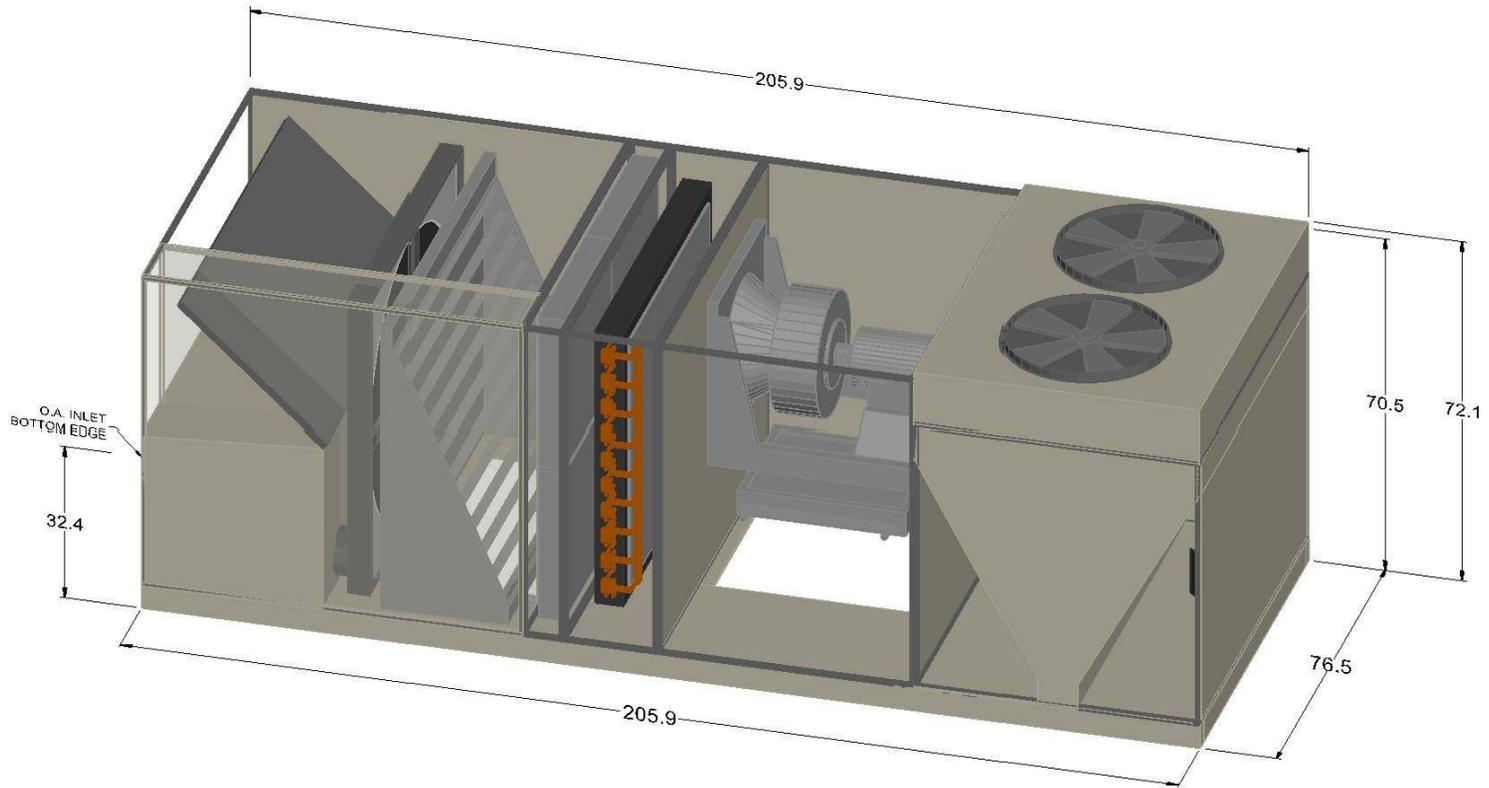
**NEWBURGH CSD - CTE BUILDING**  
**PREPURCHASED EQUIPMENT**  
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Newburgh CTE

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6/6/2024



ERU-D-2.2

Rebel Drawings

Notes:

(1) Recommended location for optional field cut side power connection.

Product: Rebel		Unit Tag: ERU-D-2.2		Sales Office: Thermal Environment Sales			 13600 Industrial Park Blvd. Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 12.60
Model: DPSC16B		Project Name: Newburgh CTE		Sales Engineer:			
June 06, 2024	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in [mm]		

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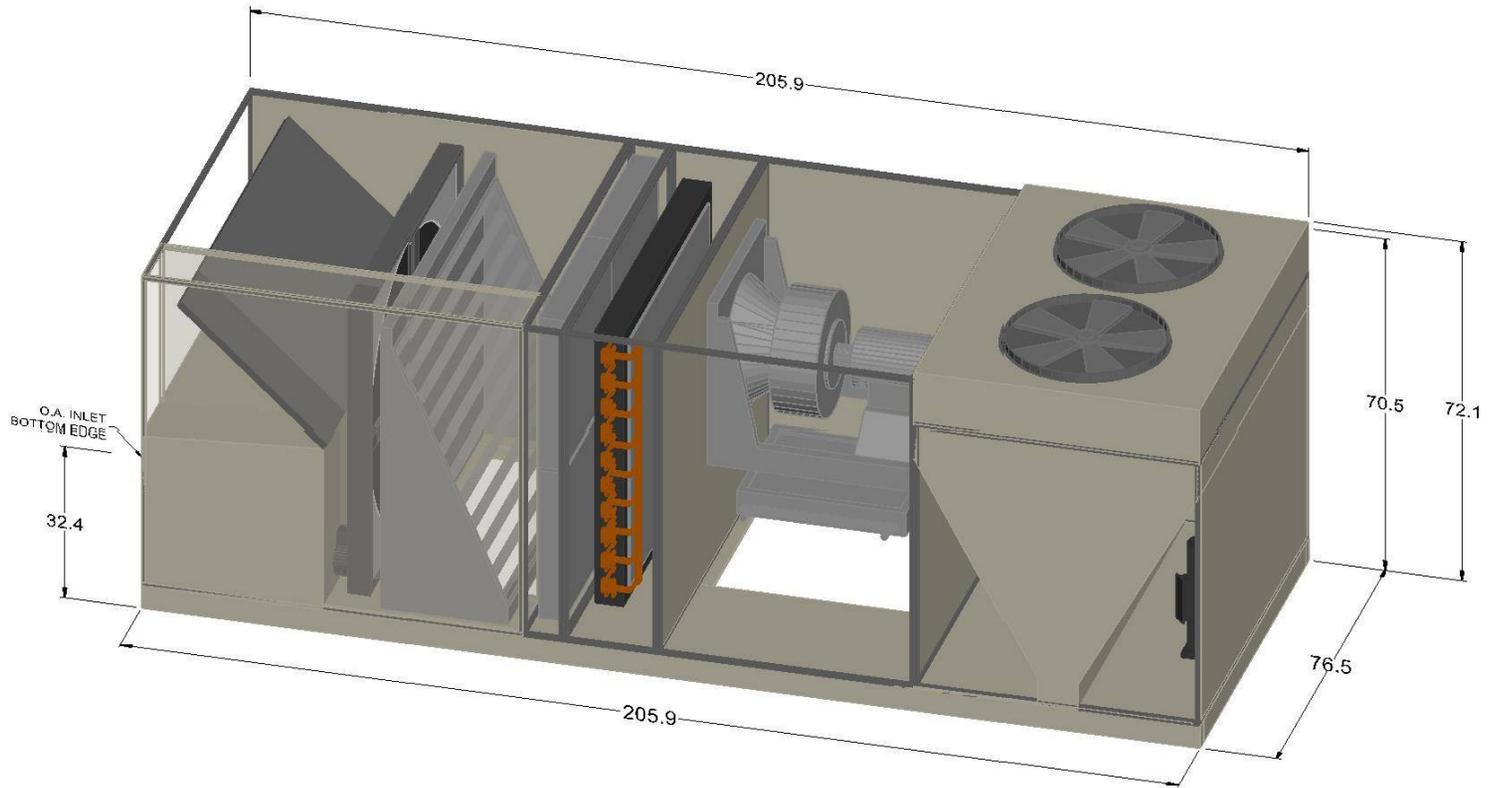
**NEWBURGH CSD - CTE BUILDING  
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YNNUFZ

Newburgh CTE

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ERU-E-2.3

Rebel Drawings

Notes:

(1) Recommended location for optional field cut side power connection.

Product: Rebel		Unit Tag: ERU-E-2.3		Sales Office: Thermal Environment Sales			 13600 Industrial Park Blvd. Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 12.60
Model: DPSC20B		Project Name: Newburgh CTE		Sales Engineer:			
June 06, 2024	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in [mm]		

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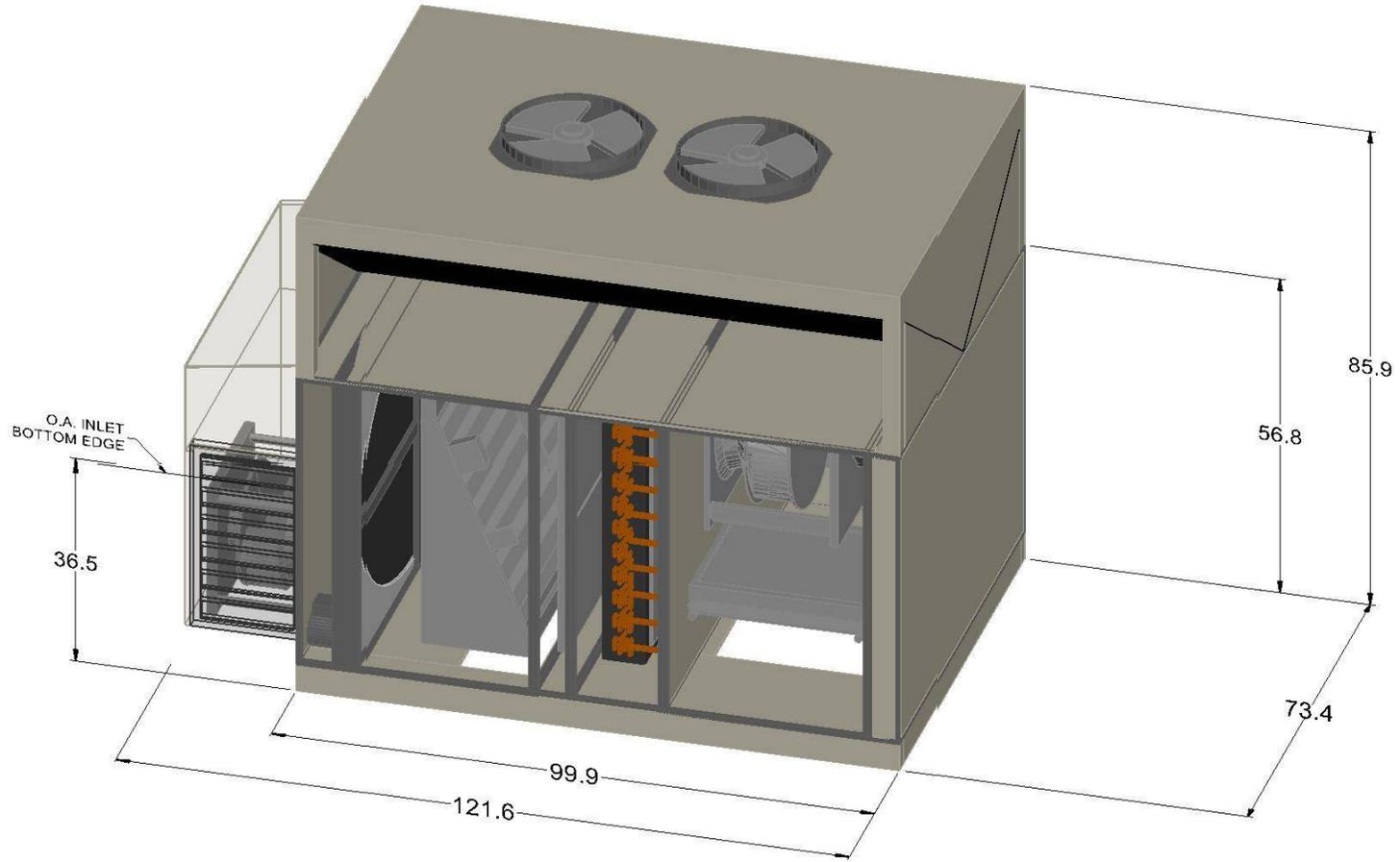
**NEWBURGH CSD - CTE BUILDING**  
**PREPURCHASED EQUIPMENT**  
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Newburgh CTE

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6/6/2024



ERU-F-3.3

Rebel Drawings

Notes:

(1) Recommended location for optional field cut side power connection.

Product: Rebel		Unit Tag: ERU-F-3.3		Sales Office: Thermal Environment Sales			 13600 Industrial Park Blvd. Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 12.60
Model: DPSC17B		Project Name: Newburgh CTE		Sales Engineer:			
June 06, 2024	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in [mm]		

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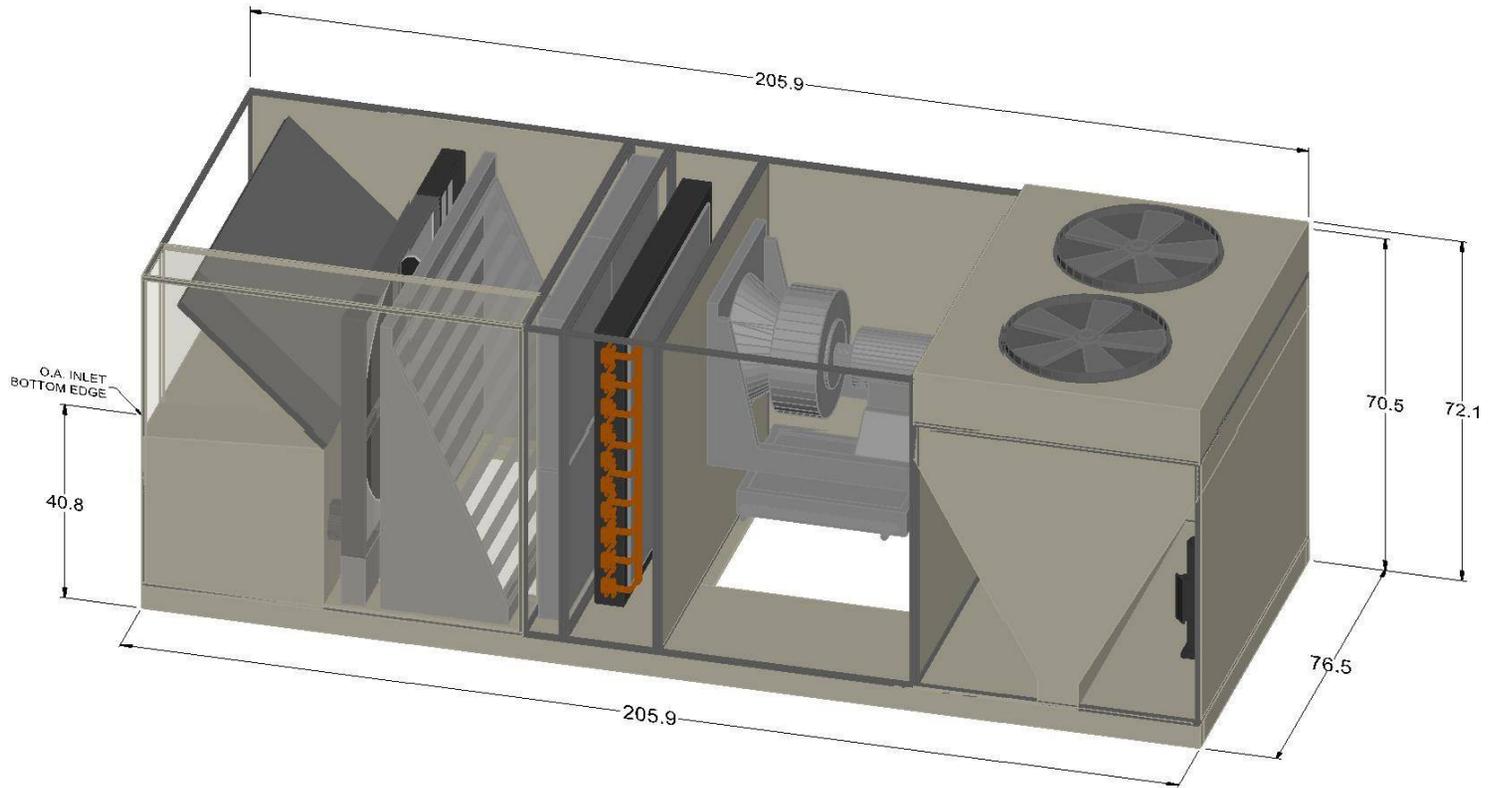
**NEWBURGH CSD - CTE BUILDING  
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Newburgh CTE

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6/6/2024



ERU-G-117

Rebel Drawings

Notes:

(1) Recommended location for optional field cut side power connection.

Product: Rebel		Unit Tag: ERU-G-117		Sales Office: Thermal Environment Sales			 13600 Industrial Park Blvd. Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 12.60
Model: DPSC25B		Project Name: Newburgh CTE		Sales Engineer:			
June 06, 2024	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in [mm]		

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Job Information		Technical Data Sheet	
Job Name	Newburgh CTE		
Date	6/6/2024		
Submitted By	Jacob Andrews		
Software Version	10.30	Coil DLL Version	10.30
Unit Tag	HC-A		



Coil Overview					
Model Number	Application	Total Capacity Btu/hr	Air Flow CFM	Fin Height in	Fin Length in
5WL0803A	Hot Water coil	65645	1520	21	21.00

Coil	
Model Number:	5WL0803A
Application:	Hot Water coil
Type:	Standard
Crating:	Standard Crate

Physical (Per Coil)					
Depth	Height	Length	Weight		
			Shipping	Operating	Dry
6.00 in	24.00 in	31.25 in	144 lb	66 lb	48 lb

Material			
Tube Diameter	Fin	Tube	Case
0.625 in	0.0075 in Aluminum	0.020 in Copper nominal	Galvanized steel

Geometry					
Fin Design	Fins per Inch	Number of Rows	Fin Height	Fin Length	Tube Spacing
Flat	8	3	21 in	21.00 in	1.50 X 1.299

Connection				Flange Dimensions	
Type	Size	Hand	Length	Header	Side
Carbon Steel (threaded)	1.500 in	Right Hand	3.00 in	1.50 in	1.50 in

**Performance**

Air Flow CFM	Altitude ft	Face Area ft <sup>2</sup>	Face Velocity ft/min
1520	0	3.1	496.3

Total Capacity Btu/hr	Temperature				Air Pressure Drop inH <sub>2</sub> O
	Entering		Leaving		
	Air Dry Bulb °F	Water °F	Air Dry Bulb °F	Water °F	
65645	56.0	150.0	95.5	119.5	0.14

Fluid				
Pressure Drop ft H <sub>2</sub> O	Flow rate gpm	Velocity ft/s	Type	Volume gal
0.1	4.3	0.4	Water	2.00
Hot Water Fouling Factor:		0.0000		

**Options**

Coil Options	Brass Turbospirals
Protective Coatings	None



Job Information		Technical Data Sheet	
Job Name	Newburgh CTE		
Date	6/6/2024		
Submitted By	Jacob Andrews		
Software Version	10.30	Coil DLL Version	10.30
Unit Tag	HC-B		

Coil Overview					
Model Number	Application	Total Capacity Btu/hr	Air Flow CFM	Fin Height in	Fin Length in
5WL0803A	Hot Water coil	78782	1800	24	21.00

Coil	
Model Number:	5WL0803A
Application:	Hot Water coil
Type:	Standard
Crating:	Standard Crate

Physical (Per Coil)					
Depth	Height	Length	Weight		
			Shipping	Operating	Dry
6.00 in	27.00 in	31.25 in	153 lb	74 lb	53 lb
Material					
Tube Diameter	Fin		Tube	Case	
0.625 in	0.0075 in Aluminum		0.020 in Copper nominal	Galvanized steel	
Geometry					
Fin Design	Fins per Inch	Number of Rows	Fin Height	Fin Length	Tube Spacing
Flat	8	3	24 in	21.00 in	1.50 X 1.299
Connection			Flange Dimensions		
Type	Size	Hand	Length	Header	Side
Carbon Steel (threaded)	1.500 in	Right Hand	3.00 in	1.50 in	1.50 in

Performance					
Air Flow CFM	Altitude ft		Face Area ft <sup>2</sup>	Face Velocity ft/min	
1800	0		3.5	514.3	
Total Capacity Btu/hr	Temperature				Air Pressure Drop inH <sub>2</sub> O
	Entering		Leaving		
	Air Dry Bulb °F	Water °F	Air Dry Bulb °F	Water °F	
78782	55.0	150.0	95.0	119.7	0.15
Fluid					
Pressure Drop ft H <sub>2</sub> O	Flow rate gpm	Velocity ft/s	Type		Volume gal
0.1	5.2	0.5	Water		2.00
Hot Water Fouling Factor:		0.0000			

Options	
Coil Options	Brass Turbospirals
Protective Coatings	None

Job Information		Technical Data Sheet	
Job Name	Newburgh CTE		
Date	6/6/2024		
Submitted By	Jacob Andrews		
Software Version	10.30	Coil DLL Version	10.30
Unit Tag	HC-C-314B		



Coil Overview					
Model Number	Application	Total Capacity Btu/hr	Air Flow CFM	Fin Height in	Fin Length in
5WH0902A	Hot Water coil	16617	600	15	16.00

Coil	
Model Number:	5WH0902A
Application:	Hot Water coil
Type:	Standard
Crating:	Standard Crate

Physical (Per Coil)					
Depth	Height	Length	Weight		
			Shipping	Operating	Dry
2.93 in	18.00 in	28.76 in	91 lb	41 lb	30 lb
Material					
Tube Diameter	Fin		Tube	Case	
0.625 in	0.0075 in Aluminum		0.020 in Copper nominal	Galvanized steel	
Geometry					
Fin Design	Fins per Inch	Number of Rows	Fin Height	Fin Length	Tube Spacing
Flat	9	2	15 in	16.00 in	1.50 X 1.299
Connection			Flange Dimensions		
Type	Size	Hand	Length	Header	Side
Carbon Steel (threaded)	2.500 in	Right Hand	3.00 in	1.50 in	1.50 in

Performance					
Air Flow CFM	Altitude ft		Face Area ft <sup>2</sup>	Face Velocity ft/min	
600	0		1.7	360.0	
Total Capacity Btu/hr	Temperature				Air Pressure Drop inH <sub>2</sub> O
	Entering		Leaving		
	Air Dry Bulb °F	Water °F	Air Dry Bulb °F	Water °F	
16617	70.0	150.0	95.3	119.8	0.06
Fluid					
Pressure Drop ft H <sub>2</sub> O	Flow rate gpm	Velocity ft/s	Type		Volume gal
0.1	1.1	0.2	Water		1.00
Hot Water Fouling Factor:		0.0000			

Options	
Coil Options	Brass Turbospirals
Protective Coatings	None

Job Information		Technical Data Sheet	
Job Name	Newburgh CTE		
Date	6/6/2024		
Submitted By	Jacob Andrews		
Software Version	10.30	Coil DLL Version	10.30
Unit Tag	HC-ERV-A		



Coil Overview					
Model Number	Application	Total Capacity Btu/hr	Air Flow CFM	Fin Height in	Fin Length in
5BS1002A	Hot Water coil	14853	525	9	12.00

Coil	
Model Number:	5BS1002A
Application:	Hot Water coil
Type:	Heating - Booster
Crating:	Standard Crate

Physical (Per Coil)					
Depth	Height	Length	Weight		
			Shipping	Operating	Dry
5.50 in	9.69 in	16.94 in	12 lb	11 lb	10 lb
Material					
Tube Diameter	Fin		Tube	Case	
0.625 in	0.0075 in Aluminum		0.020 in Copper nominal	Slip & Drive	
Geometry					
Fin Design	Fins per Inch	Number of Rows	Fin Height	Fin Length	Tube Spacing
Flat	10	2	9 in	12.00 in	1.50 X 1.299
Connection					
Type	Size	Hand		Length	
Copper Wrot Male NPT	0.500 in	Right Hand		3.00 in	

Performance					
Air Flow CFM	Altitude ft		Face Area ft <sup>2</sup>		Face Velocity ft/min
525	0		0.8		700.0
Total Capacity Btu/hr	Temperature				Air Pressure Drop inH <sub>2</sub> O
	Entering		Leaving		
	Air Dry Bulb °F	Water °F	Air Dry Bulb °F	Water °F	
14853	70.0	150.0	95.9	123.0	0.20
Fluid					
Pressure Drop ft H <sub>2</sub> O	Flow rate gpm	Velocity ft/s	Type		Volume gal
1.0	1.1	1.2	Water		1.00
Hot Water Fouling Factor:		0.0000			

Options	
Coil Options	Brass Turbospirals
Protective Coatings	None



Job Information		Technical Data Sheet	
Job Name	Newburgh CTE		
Date	6/6/2024		
Submitted By	Jacob Andrews		
Software Version	10.30	Coil DLL Version	10.30
Unit Tag	HC-ERV-B		

Coil Overview					
Model Number	Application	Total Capacity Btu/hr	Air Flow CFM	Fin Height in	Fin Length in
5WQ0603A	Hot Water coil	29948	1100	12	16.00

Coil	
Model Number:	5WQ0603A
Application:	Hot Water coil
Type:	Standard
Crating:	Standard Crate

Physical (Per Coil)					
Depth	Height	Length	Weight		
			Shipping	Operating	Dry
6.00 in	15.00 in	26.62 in	102 lb	35 lb	26 lb
Material					
Tube Diameter	Fin		Tube	Case	
0.625 in	0.0075 in Aluminum		0.020 in Copper nominal	Galvanized steel	
Geometry					
Fin Design	Fins per Inch	Number of Rows	Fin Height	Fin Length	Tube Spacing
Flat	6	3	12 in	16.00 in	1.50 X 1.299
Connection			Flange Dimensions		
Type	Size	Hand	Length	Header	Side
Carbon Steel (threaded)	1.500 in	Right Hand	3.00 in	1.50 in	1.50 in

Performance					
Air Flow CFM	Altitude ft		Face Area ft <sup>2</sup>	Face Velocity ft/min	
1100	0		1.3	825.0	
Total Capacity Btu/hr	Temperature				Air Pressure Drop inH <sub>2</sub> O
	Entering		Leaving		
	Air Dry Bulb °F	Water °F	Air Dry Bulb °F	Water °F	
29948	70.0	150.0	94.9	121.5	0.30
Fluid					
Pressure Drop ft H <sub>2</sub> O	Flow rate gpm	Fluid Velocity ft/s	Type	Volume gal	
1.1	2.1	1.1	Water	1.00	
Hot Water Fouling Factor:		0.0000			

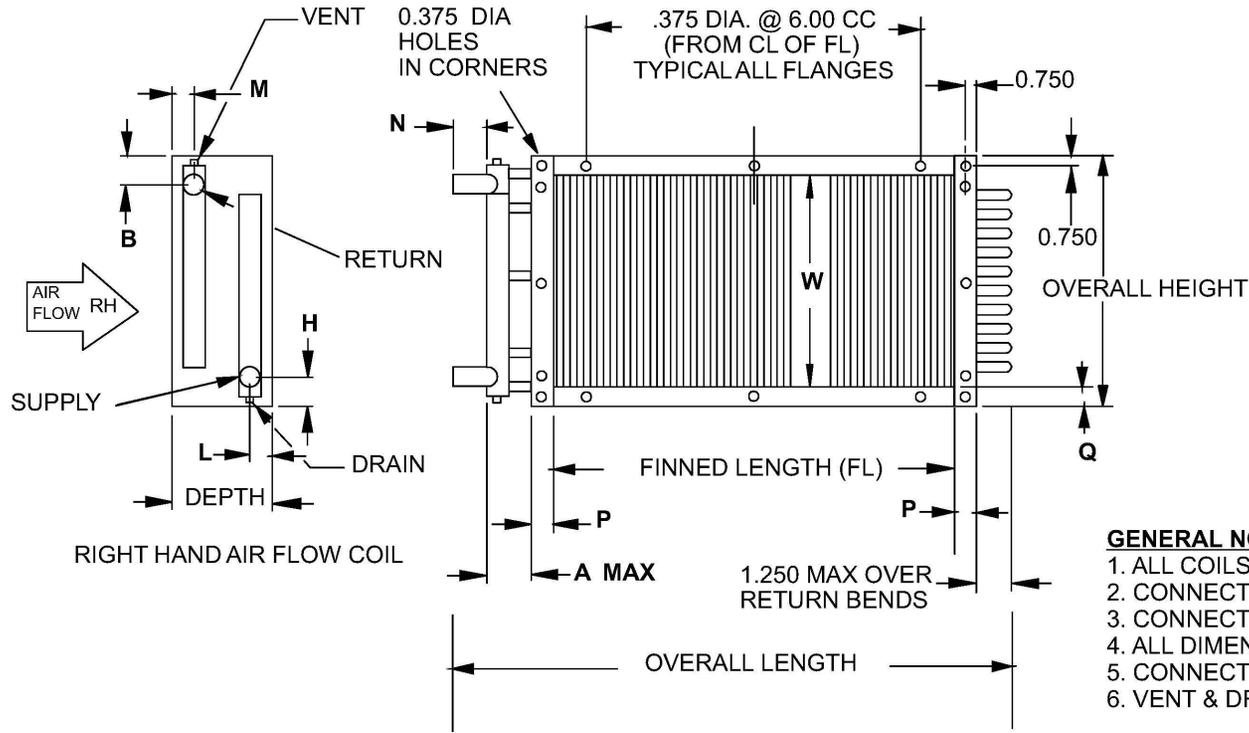
Options	
Coil Options	Brass Turbospirals
Protective Coatings	None

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Newburgh CTE

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- GENERAL NOTES:**
1. ALL COILS DRAINABLE
  2. CONNECT COILS FOR COUNTERFLOW
  3. CONNECTIONS ARE PIPE, NPT (EXT.)
  4. ALL DIMENSIONS IN INCHES (MM)
  5. CONNECTION LOCATION  $\pm 0.125$
  6. VENT & DRAIN,  $\frac{1}{4}$  NPT

Dimensions																
Coil Model	Coil Airflow	Rows	Fin Height (in)	Fin Length (in)	Overall Height (in)	Overall Length (in)	Conn Size (in)	A (in)	B (in)	H (in)	L (in)	M (in)	N (in)	P (in)	Q (in)	Depth (in)
5WL0803A	Horizontal	3	21	21.00	24.00	31.25	1.500	3.000	2.300	2.300	1.70	1.70	3.00	1.50	1.50	6.000

HC-A

CW Same end RH\_Drawing

Product Drawing

Unit Tag: HC-A

Sales Office: Thermal Environment Sales

Product:

Project Name: Newburgh CTE

Sales Engineer:

Model: 5WL

June 06, 2024

Ver/Rev:

Sheet: 1 of 1

Scale: NTS

Tolerance: +/- 0.25"

Dwg Units: (in)



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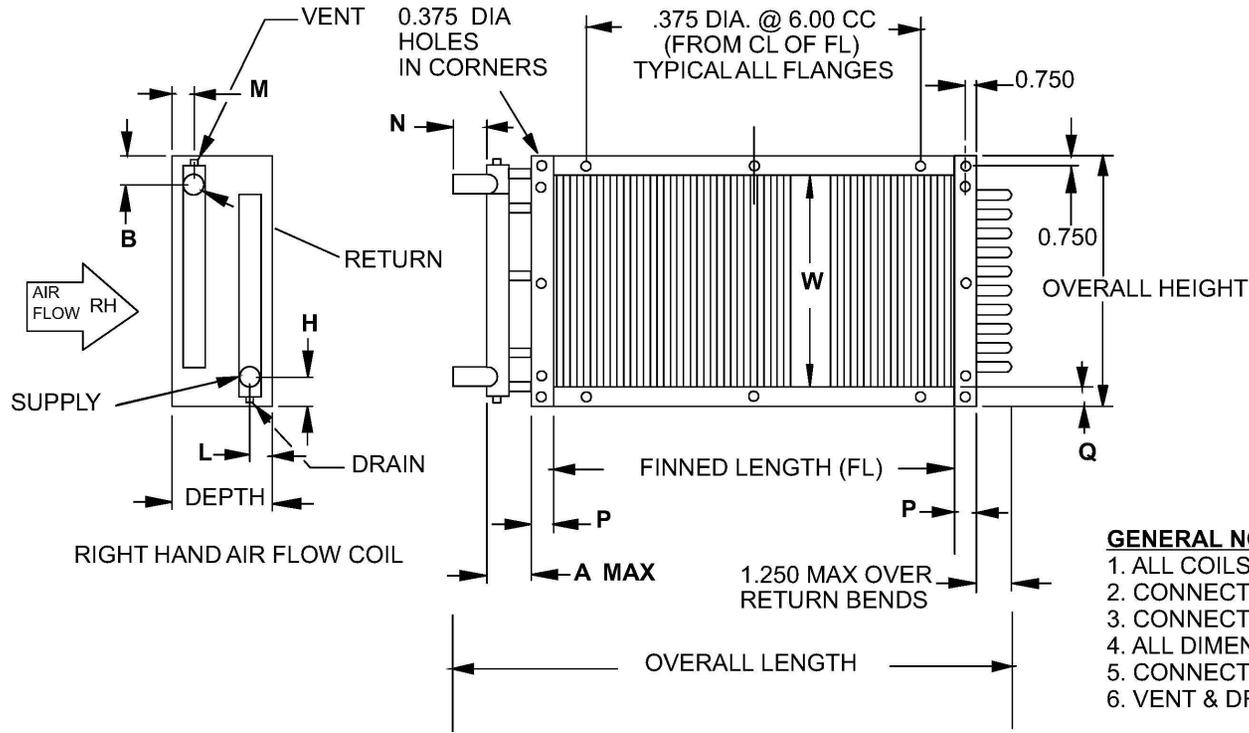
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**PREPURCHASED EQUIPMENT**  
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Newburgh CTE

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- GENERAL NOTES:**
1. ALL COILS DRAINABLE
  2. CONNECT COILS FOR COUNTERFLOW
  3. CONNECTIONS ARE PIPE, NPT (EXT.)
  4. ALL DIMENSIONS IN INCHES (MM)
  5. CONNECTION LOCATION ± 0.125
  6. VENT & DRAIN, ¼ NPT

Dimensions																
Coil Model	Coil Airflow	Rows	Fin Height (in)	Fin Length (in)	Overall Height (in)	Overall Length (in)	Conn Size (in)	A (in)	B (in)	H (in)	L (in)	M (in)	N (in)	P (in)	Q (in)	Depth (in)
5WL0803A	Horizontal	3	24	21.00	27.00	31.25	1.500	3.000	2.300	2.300	1.70	1.70	3.00	1.50	1.50	6.000

HC-B

CW Same end RH\_Drawing

Product Drawing

Unit Tag: HC-B

Sales Office: Thermal Environment Sales

Product:

Project Name: Newburgh CTE

Sales Engineer:

Model: 5WL

June 06, 2024

Ver/Rev:

Sheet: 1 of 1

Scale: NTS

Tolerance: +/- 0.25"

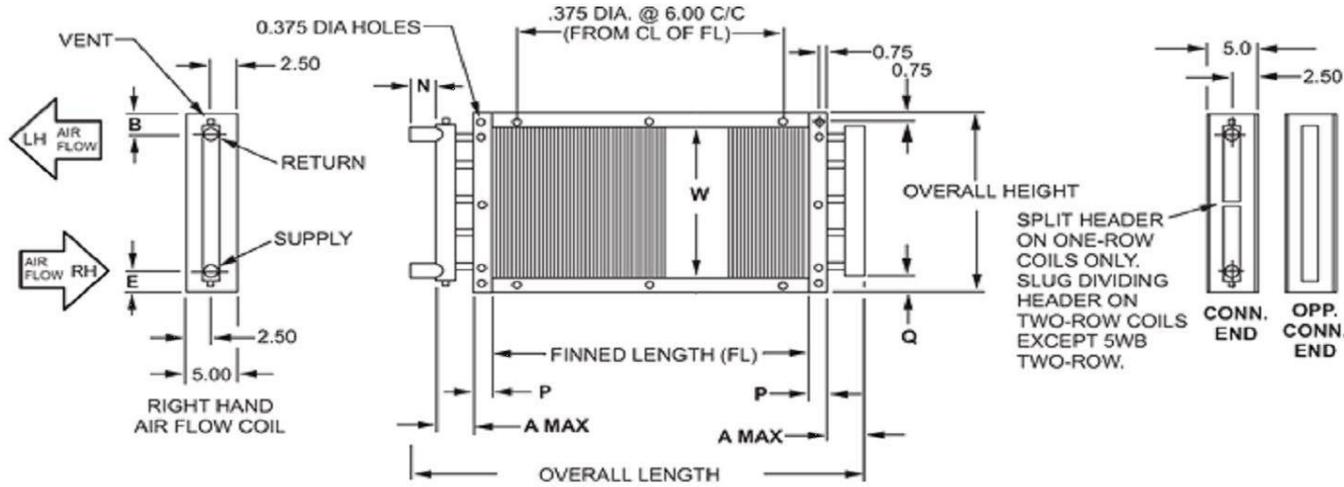
Dwg Units: (in)



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**NEWBURGH CSD - CTE BUILDING  
 PREPURCHASED EQUIPMENT  
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- GENERAL NOTES:**
1. VERTICAL OR HORIZONTAL AIR FLOW MUST BE SPECIFIED.
  2. ALL COILS DRAINABLE.
  3. CONNECT COILS FOR COUNTER-FLOW I.E. ENTERING LIQUID CONNECTION ON LEAVING AIR SIDE OF COIL.
  4. CONNECTIONS ARE PIPE, NPT (EXT).
  5. ALL DIMENSIONS ARE IN INCHES.
  6. CONNECTION LOCATION ± .125.
  7. VENT 1/4 NPT..

Dimensions													
Coil Model	Coil Airflow	Rows	Fin Height (in)	Fin Length (in)	Overall Height (in)	Overall Length (in)	Conn Size (in)	A (in)	B (in)	E (in)	N (in)	P (in)	Q (in)
5WH0902A	Horizontal	2	15	16.00	18.00	28.76	2.500	3.380	3.170	3.170	3.00	1.50	1.50

<b>Product Drawing</b>		Unit Tag: HC-C-314B			Sales Office: Thermal Environment Sales			 13600 Industrial Park Blvd. Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 10.30	
Product:		Project Name: Newburgh CTE			Sales Engineer:				
Model: 5WH		June 06, 2024	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: (in)		

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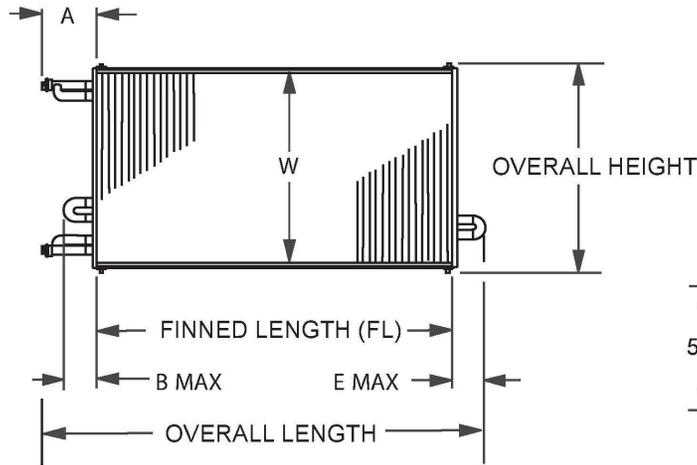
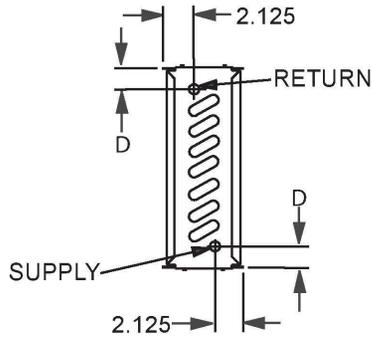
**NEWBURGH CSD - CTE BUILDING**  
**PREPURCHASED EQUIPMENT**  
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Newburgh CTE

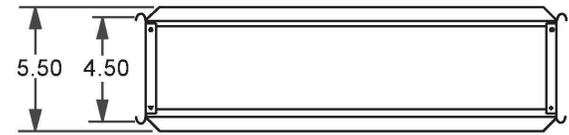
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**GENERAL NOTES**

1. ALL DIMENSIONS ARE IN INCHES.
2. CONNECTION LOCATION  $\pm 0.125$ .
3. W = FIN HEIGHT



Dimensions											
Coil Model	Coil Airflow	Rows	Fin Height (in)	Fin Length (in)	Overall Height (in)	Overall Length (in)	Conn Size (in)	A (in)	B (in)	D (in)	E (in)
5BS1002A	Horizontal	2	9	12.00	9.69	16.94	0.500	2.940	2.000	0.500	0.500

**Product Drawing**

Unit Tag: HC-ERV-A

Sales Office: Thermal Environment Sales

Product:

Project Name: Newburgh CTE

Sales Engineer:

Model: 5BS

June 06, 2024

Ver/Rev:

Sheet: 1 of 1

Scale: NTS

Tolerance: +/- 0.25"

Dwg Units: (in)



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HC-ERV-A

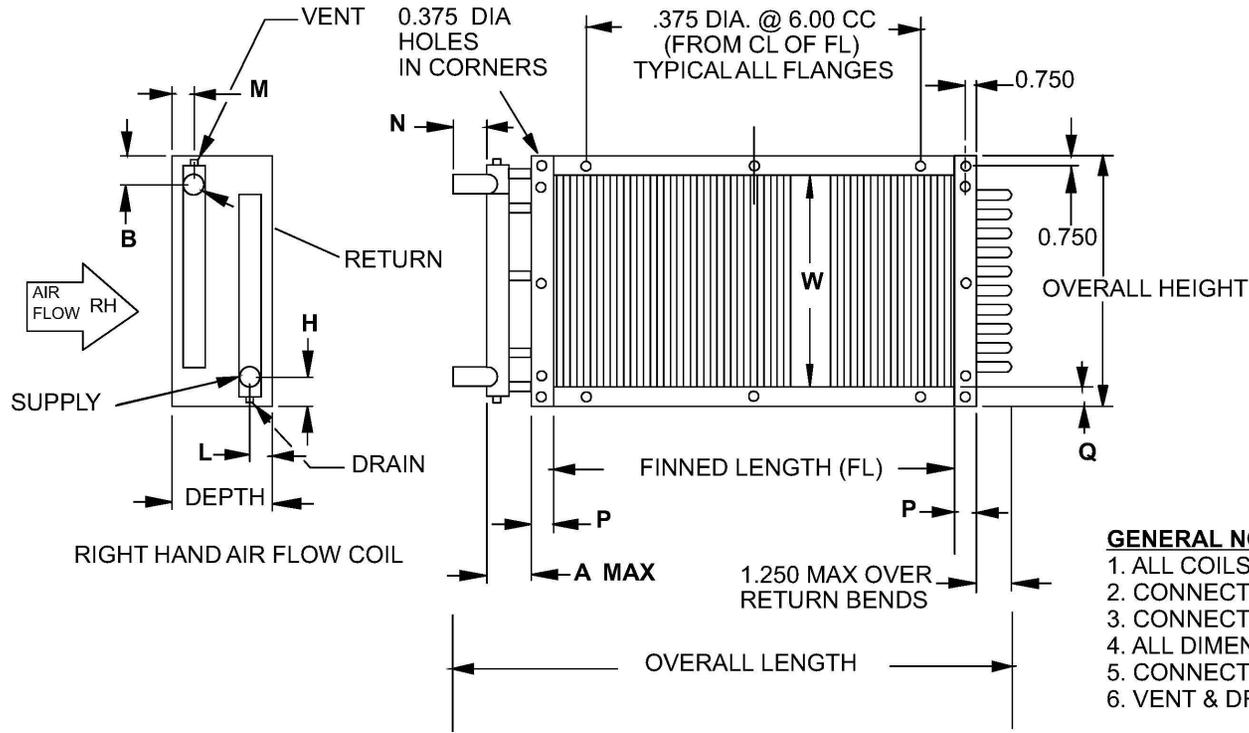
Coil water booster BS 2row slip\_Drawing

YNNUFZ

Newburgh CTE

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- GENERAL NOTES:**
1. ALL COILS DRAINABLE
  2. CONNECT COILS FOR COUNTERFLOW
  3. CONNECTIONS ARE PIPE, NPT (EXT.)
  4. ALL DIMENSIONS IN INCHES (MM)
  5. CONNECTION LOCATION  $\pm 0.125$
  6. VENT & DRAIN,  $\frac{1}{4}$  NPT

Dimensions																
Coil Model	Coil Airflow	Rows	Fin Height (in)	Fin Length (in)	Overall Height (in)	Overall Length (in)	Conn Size (in)	A (in)	B (in)	H (in)	L (in)	M (in)	N (in)	P (in)	Q (in)	Depth (in)
5WQ0603A	Horizontal	3	12	16.00	15.00	26.62	1.500	3.370	2.290	2.290	1.70	1.70	3.00	1.50	1.50	6.000

HC-ERV-B

CW Same end RH\_Drawing

Product Drawing

Unit Tag: HC-ERV-B

Sales Office: Thermal Environment Sales

Product:

Project Name: Newburgh CTE

Sales Engineer:

Model: 5WQ

June 06, 2024

Ver/Rev:

Sheet: 1 of 1

Scale: NTS

Tolerance: +/- 0.25"

Dwg Units: (in)



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**NEWBURGH CSD - CTE BUILDING  
PREPURCHASED EQUIPMENT  
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Outdoor details

Name	Model	CR	Cooling			Heating			Piping
			Tmp C	CC		Tmp H	HC		
			%	°F	BTU/h	°F (DBT/WBT)	BTU/h	ft	
CU-A-1	RXYQ264AAYDA	102.8	95.0	245,669		-3.0/-4.0	174,460	161.6	
CU-B-1	RXYQ288AAYDA	100.0	95.0	260,526		-3.0/-4.0	193,699	222.6	
CU-C-1	RXYQ312AAYDA	132.4	95.0	316,666		-3.0/-4.0	199,070	171.8	
CU-D-1	RXYQ264AAYDA	100.0	95.0	240,549		-3.0/-4.0	172,834	188.6	
CU-E-1	RXYQ288AAYDA	108.2	95.0	273,726		-3.0/-4.0	195,488	204.2	
CU-G-1	RXYQ192AAYDA	100.0	95.0	177,436		-3.0/-4.0	123,567	118.3	
CU-H-1	RXYQ192AAYDA	106.3	95.0	183,137		-3.0/-4.0	123,417	133.3	
CU-K-1	RXYQ96AAYDA	100.0	95.0	88,727		-3.0/-4.0	71,155	106.6	
CU-K-2	RXYQ96AAYDA	100.0	95.0	88,852		-3.0/-4.0	71,261	101.6	

# SINGLE POINT POWER PANEL (SPPP) DESIGNED FOR DAIKIN VRV CONDENSING UNITS

The Varitec UL508A Panel Shop is pleased to offer industrial Single Point Power Panels for all Daikin VRV condensing units.

## Features

- NEMA 3R panels with  
Thermostatically controlled  
ventilation fans
- Thru-the-door main input disconnect
- Branch circuit isolation and  
protection
- Protection from Phase Loss, Reversal,  
and Imbalance as well as  
Under/Over Voltage
- Minimum 80kA interrupt rating
- Optional 15A GFCI
- Line voltage 120VAC control  
transformer
- Safety interlock



## Benefits

- Simplified trade coordination
- Reduced installation cost
- Protection of investment

### SPPP ELECTRICAL DATA

Daikin CU Model	Voltage	STANDARD				WITH GFCI OPTION				INTERRUPT RATING
		SPPP Model	MCA	MOP	FRAME	SPPP Model	MCA	MOP	FRAME	
REYQ72AAYDA RXYQ72AAYDA	480/3/60	EA072YD4S1	12.4	15	S1	EA072YD4S3-G	16.6	20	S3	100kA
REYQ96AAYDA RXYQ96AAYDA	480/3/60	EA096YD4S1	16.4	20	S1	EA096YD4S3-G	20.6	25	S3	100kA
REYQ120AAYDA RXYQ120AAYDA	480/3/60	EA120YD4S1	16.6	20	S1	EA120YD4S3-G	20.8	25	S3	100kA
REYQ144AAYDA RXYQ144AAYDA	480/3/60	EA144YD4S1	21.3	25	S1	EA144YD4S3-G	25.5	30	S3	100kA
REYQ168AAYDA RXYQ168AAYDA	480/3/60	EA168YD4S1	24.9	30	S1	EA168YD4S3-G	29.1	30	S3	100kA
REYQ192AAYDA RXYQ192AAYDA	480/3/60	EA192YD4S1	28.3	35	S1	EA192YD4S3-G	32.5	35	S3	100kA
REYQ216AAYDA RXYQ216AAYDA	480/3/60	EA216YD4S1	29.9	35	S1	EA216YD4S3-G	34.1	35	S3	100kA
REYQ240AAYDA RXYQ240AAYDA	480/3/60	EA240YD4S1	33.4	40	S1	EA240YD4S3-G	37.6	40	S3	100kA
REYQ264AAYDA RXYQ264AAYDA	480/3/60	EA264YD4D1	37.9	40	D1	EA264YD4D2-G	42.1	45	D2	100kA
REYQ288AAYDA RXYQ288AAYDA	480/3/60	EA288YD4D1	42.6	45	D1	EA288YD4D2-G	46.8	50	D2	100kA
REYQ312AAYDA RXYQ312AAYDA	480/3/60	EA312YD4D1	46.2	50	D1	EA312YD4D2-G	50.4	60	D2	100kA
REYQ336AAYDA RXYQ336AAYDA	480/3/60	EA336YD4D1	49.8	50	D1	EA336YD4D2-G	54	60	D2	100kA
REYQ360AAYDA RXYQ360AAYDA	480/3/60	EA360YD4D1	53.2	60	D1	EA360YD4D2-G	57.4	60	D2	100kA
REYQ384AAYDA RXYQ384AAYDA	480/3/60	EA384YD4D1	56.6	60	D1	EA384YD4D2-G	60.8	70	D2	100kA
REYQ408AAYDA RXYQ408AAYDA	480/3/60	EA408YD4D1	58.2	60	D1	EA408YD4D2-G	62.4	70	D2	100kA
REYQ432AAYDA RXYQ432AAYDA	480/3/60	EA432YD4D1	59.8	60	D1	EA432YD4D2-G	64	70	D2	100kA
REYQ456AAYDA RXYQ456AAYDA	480/3/60	EA456YD4D1	63.3	70	D1	EA456YD4D2-G	67.5	70	D2	100kA
REYQ480AAYDA RXYQ480AAYDA	480/3/60	EA480YD4D1	66.8	70	D1	EA480YD4D2-G	71	80	D2	100kA

ENCLOSURE FRAME SIZES			
S1 Enclosures 8"D, All Other Enclosures 10"D (not including disconnect handle)			
Single	S1 = 20"H X 20"W	BASIC BUILD →	S1-B = 20"H X 20"W
	S2 = 24"H X 20"W		S2-B = 24"H X 20"W
	S3 = 30"H X 24"W		S3-B = 30"H X 24"W
Dual	D1 = 30"H X 30"W		D1-B = 30"H X 24"W
	D2 = 36"H X 30"W		D2-B = 30"H X 30"W
	D3 = 36"H X 36"W		D3 BECOMES D2-B





Revised 10/21/2022

## **VARITEC SINGLE POINT POWER PANEL (SPPP) ICP**

### FEATURES:

- UL508A Type 3R outdoor rated assemblies feature components located inside a painted steel enclosure with thermostatically controlled ventilation fan(s).
- Only one three phase feed required.
- SCCR on all standard assemblies will be 80-100kA depending on specific model delivering power to units with minimum 5kA rating.
- Main fused disconnect, sized for total panel load, with class J, time delay, dual element fuses.
- Main disconnect has through-door, interlocked and padlockable handle.
- Branch fused disconnect for powered unit(s) – sized to unit MOP with class J, time delay, fuses.
- Unit disconnects have direct mount disconnect handles.
- Control transformer: line voltage – 120VAC, sized to handle internal panel loads only. Oversized control transformer, or additional control transformers can be added for additional outside loads, at additional cost. Control transformers are fused primary and secondary. Secondary neutral is grounded.
- Unit contactors – IEC contactors, HP rated with 120VAC coils.
- Phase monitors – connected to line and load side of contactor(s). Upon alarm, the contactor is opened to protect the unit from damage. Fully adjustable variables including: voltage unbalance 2 to 20%, delay on break 0 to 10 minutes, fault interrogation 0-15 seconds, over/under voltage 2 to 25% and reset auto mode or 0 to 10 tries.
- Customer terminal strip inclusive of terminals for three phase wiring to unit(s) (T1, T2, T3).
- Din rail mounted ground terminals, green/yellow.
- Electrical schematic hard copy located inside ICP in a folder.
- All required UL508A sizing, safety and warning labeling.
- All ICP assemblies are “HOT” tested with associated line voltage, prior to shipping.

<b>NOTES:</b>						
Note 1: For 208/3/60 systems, input "1". For 240/3/60 systems, input "2".						

<b>TABLES:</b>						
<b>Table 1.1: Schematic Fuse Labeling Reference</b>						
	Branch 1	Branch 2	Branch 3	Main	T1 Primary Fuse	T1 Secondary Fuse
Single	FU 1,2 & 3			FU 1,2 & 3	FU 4 & 5	FU 6
Single (GFCI)	FU 8,9 & 10			FU 1,2 & 3	FU 4 & 5	FU 6
Dual	FU 4,5 & 6	FU 7,8 & 9	FU 10,11 & 12	FU 1,2 & 3	FU 10 & 11	FU 12
Triple	FU 4,5 & 6	FU 7,8 & 9	FU 10,11 & 12	FU 1,2 & 3	FU 13 & 14	FU 15

<b>Table 1.2: ENCLOSURE FRAME SIZES</b>		
<b>S1 Enclosures 8"D, All Other Enclosures 10"D (not including disconnect handle)</b>		
Modules	Standard Build	Basic Build
Single	S1 = 20"H X 20"W	S1-B = 20"H X 20"W
	S2 = 24"H X 20"W	S2-B = 24"H X 20"W
	S3 = 30"H X 24"W	S3-B = 30"H X 24"W
Dual	D1 = 30"H X 30"W	D1-B = 30"H X 24"W
	D2 = 36"H X 30"W	D2-B = 30"H X 30"W
	D3 = 36"H X 36"W	D3 BECOMES D2-B
Triple	T1 = 42"H X 36"W	T1-B = 36"H X 24"W
	T2 = 48"H X 36"W	T2-B = 36"H X 36"W

\*Refer to Basic Submittal for Basic Layouts



DAIKIN CU MODEL	SPPP MODEL	VOLTAGE	Fuse Sizing				WIRE SIZING				Xformer 1 VA	T1 Primary Fuse	T1 Secondary Fuse	Enclosure Frame Size
			*See Table 1.1*				BRANCH 1	BRANCH 2	BRANCH 3	SYSTEM				
			BRANCH 1	BRANCH 2	BRANCH 3	SYSTEM								
<b>Emerion (GFCI)</b>														
REY/RXYQ072AATJA	EA072TJ_S3-G	208V-240V	30			40	10			8	2K	20	1	S3 / S3-B
REY/RXYQ096AATJA	EA096TJ_S3-G	208V-240V	35			45	8			8	2K	20	1	S3 / S3-B
REY/RXYQ120AATJA	EA120TJ_S3-G	208V-240V	40			50	8			8	2K	20	1	S3 / S3-B
REY/RXYQ144AATJA	EA144TJ_S3-G	208V-240V	50			60	8			6	2K	20	1	S3 / S3-B
REY/RXYQ168AATJA	EA168TJ_S3-G	208V-240V	60			70	6			6	2K	20	1	S3 / S3-B
REY/RXYQ192AATJA	EA192TJ_S3-G	208V-240V	60			70	6			4	2K	20	1	S3 / S3-B
REY/RXYQ216AATJA	EA216TJ_S3-G	208V-240V	70			80	4			4	2K	20	1	S3 / S3-B
REY/RXYQ240AATJA	EA240TJ_S3-G	208V-240V	80			90	4			4	2K	20	1	S3 / S3-B
REY/RXYQ264AATJA	EA264TJ_D2-G	208V-240V	40	50		100	8	8		3	2K	20	2	D2 / D2-B
REY/RXYQ288AATJA	EA288TJ_D3-G	208V-240V	50	50		110	8	8		2	2K	20	2	D3 / D2-B
REY/RXYQ312AATJA	EA312TJ_D3-G	208V-240V	50	60		125	8	6		2	2K	20	2	D3 / D2-B
REY/RXYQ336AATJA	EA336TJ_D3-G	208V-240V	60	60		125	6	6		1	2K	20	2	D3 / D2-B
REY/RXYQ360AATJA	EA360TJ_D3-G	208V-240V	60	60		125	6	6		1	2K	20	2	D3 / D2-B
REY/RXYQ384AATJA	EA384TJ_D3-G	208V-240V	60	60		150	6	6		1	2K	20	2	D3 / D2-B
REY/RXYQ408AATJA	EA408TJ_D3-G	208V-240V	60	70		150	6	4		1/0	2K	20	2	D3 / D2-B
REY/RXYQ432AATJA	EA432TJ_D3-G	208V-240V	70	70		150	4	4		1/0	2K	20	2	D3 / D2-B
REY/RXYQ456AATJA	EA456TJ_D3-G	208V-240V	70	80		175	4	4		2/0	2K	20	2	D3 / D2-B
REY/RXYQ480AATJA	EA480TJ_D3-G	208V-240V	80	80		175	4	4		2/0	2K	20	2	D3 / D2-B
REY/RXYQ072AAYDA	EA072YD4S3-G	480V	15			20	14			12	2K	10	1	S3 / S3-B
REY/RXYQ096AAYDA	EA096YD4S3-G	480V	20			25	12			10	2K	10	1	S3 / S3-B
REY/RXYQ120AAYDA	EA120YD4S3-G	480V	20			25	12			10	2K	10	1	S3 / S3-B
REY/RXYQ144AAYDA	EA144YD4S3-G	480V	25			30	10			10	2K	10	1	S3 / S3-B
REY/RXYQ168AAYDA	EA168YD4S3-G	480V	20			20	10			10	2K	10	1	S3 / S3-B
REY/RXYQ192AAYDA	EA192YD4S3-G	480V	35			35	10			8	2K	10	1	S3 / S3-B
REY/RXYQ216AAYDA	EA216YD4S3-G	480V	25			25	10			8	2K	10	1	S3 / S3-B
REY/RXYQ240AAYDA	EA240YD4S3-G	480V	40			40	8			8	2K	10	1	S3 / S3-B
REY/RXYQ264AAYDA	EA264YD4D2-G	480V	20	25		45	12	10		8	2K	10	2	D2 / D2-B
REY/RXYQ288AAYDA	EA288YD4D2-G	480V	25	25		50	10	10		8	2K	10	2	D2 / D2-B
REY/RXYQ312AAYDA	EA312YD4D2-G	480V	25	30		60	10	10		6	2K	10	2	D2 / D2-B
REY/RXYQ336AAYDA	EA336YD4D2-G	480V	30	30		60	10	10		6	2K	10	2	D2 / D2-B
REY/RXYQ360AAYDA	EA360YD4D2-G	480V	30	35		60	10	10		6	2K	10	2	D2 / D2-B
REY/RXYQ384AAYDA	EA384YD4D2-G	480V	35	35		70	10	10		6	2K	10	2	D2 / D2-B
REY/RXYQ408AAYDA	EA408YD4D2-G	480V	35	35		70	10	10		6	2K	10	2	D2 / D2-B
REY/RXYQ432AAYDA	EA432YD4D2-G	480V	35	35		70	10	10		6	2K	10	2	D2 / D2-B
REY/RXYQ456AAYDA	EA456YD4D2-G	480V	35	40		70	10	8		4	2K	10	2	D2 / D2-B
REY/RXYQ480AAYDA	EA480YD4D2-G	480V	40	40		80	8	8		4	2K	10	2	D2 / D2-B

Note 1: For 208/3/60 systems, input "1". For 240/3/60 systems, input "2".



APPROXIMATE VRV PIPING TOTALS, BASED ON PIPING SEGMENT LENGTHS SHOWN ON THE FOLLOWING PAGES. ALL REFRIGERANT PIPING AND ADDED CHARGE ARE PROVIDED AND INSTALLED BY OTHERS.

SINGLE-ZONE SYSTEMS ARE NOT INCLUDED

<b>Piping</b>	<b>Liquid ft</b>	<b>Suction ft</b>	<b>Total ft</b>
1/4"	248.0	0.0	248.0
3/8"	1,836.0	0.0	1,836.0
1/2"	333.0	248.0	581.0
5/8"	131.0	1,476.0	1,607.0
3/4"	222.0	133.0	355.0
7/8"	82.0	453.0	535.0
1 1/8"	0.0	272.0	272.0
1 3/8"	0.0	270.0	270.0



BY OTHERS

Refrigerant information

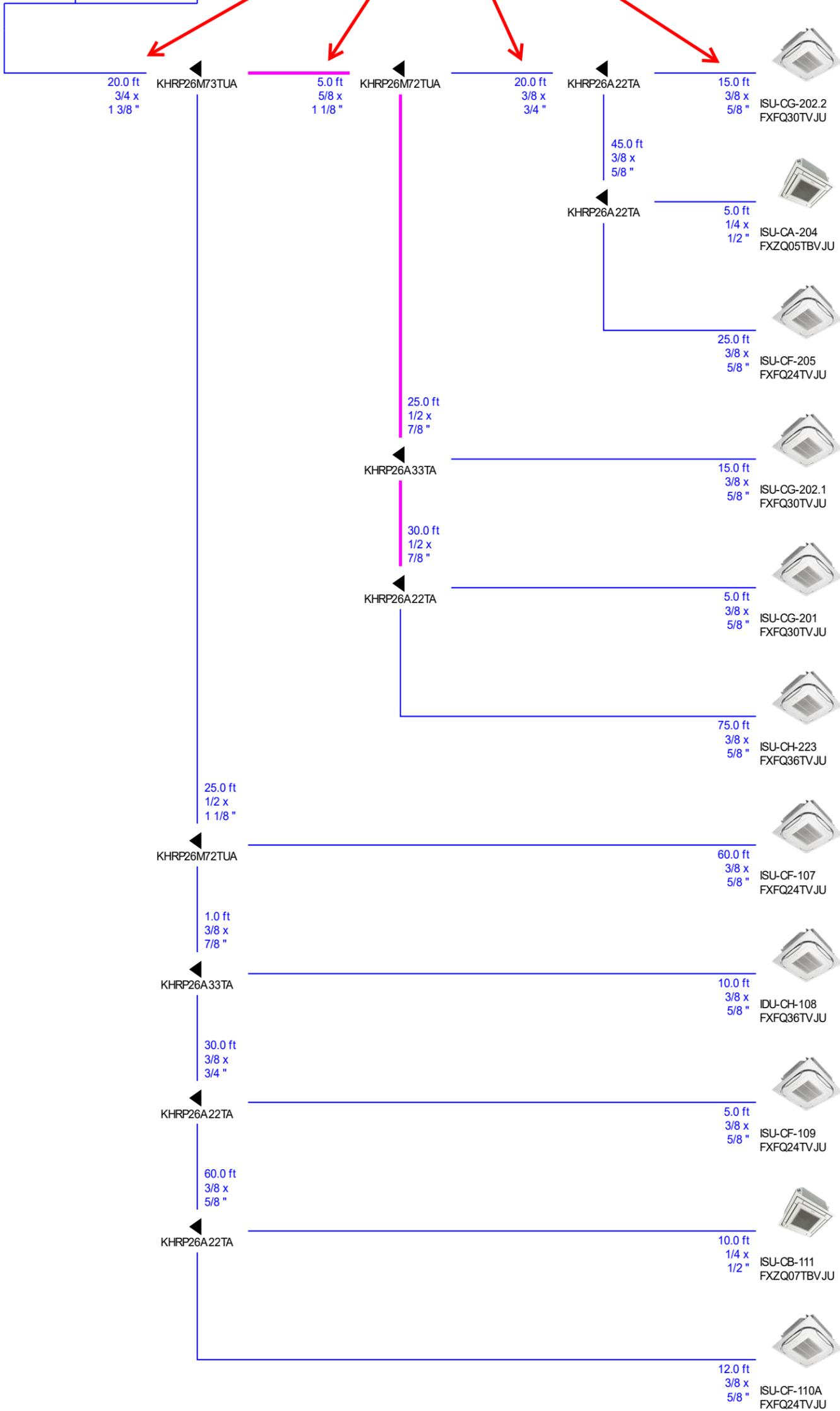
Name	Model	Refrigerant type	GWP	Base charge lbs	Extra charge lbs	Total refrigerant charge lbs	Total CO2 equivalent tonnes
CU-A-1	RXYQ264AAYDA	R410A	2087.5	51.15	29.06	80.21	75.95
CU-B-1	RXYQ288AAYDA	R410A	2087.5	51.59	33.34	84.93	80.42
CU-C-1	RXYQ312AAYDA	R410A	2087.5	51.59	36.77	88.36	83.66
CU-D-1	RXYQ264AAYDA	R410A	2087.5	51.15	26.96	78.11	73.96
CU-E-1	RXYQ288AAYDA	R410A	2087.5	51.59	45.68	97.27	92.10
CU-G-1	RXYQ192AAYDA	R410A	2087.5	25.79	30.06	55.85	52.88
CU-H-1	RXYQ192AAYDA	R410A	2087.5	25.79	30.10	55.89	52.92
CU-K-1	RXYQ96AAYDA	R410A	2087.5	24.91	4.96	29.87	28.28
CU-K-2	RXYQ96AAYDA	R410A	2087.5	24.91	5.55	30.46	28.84

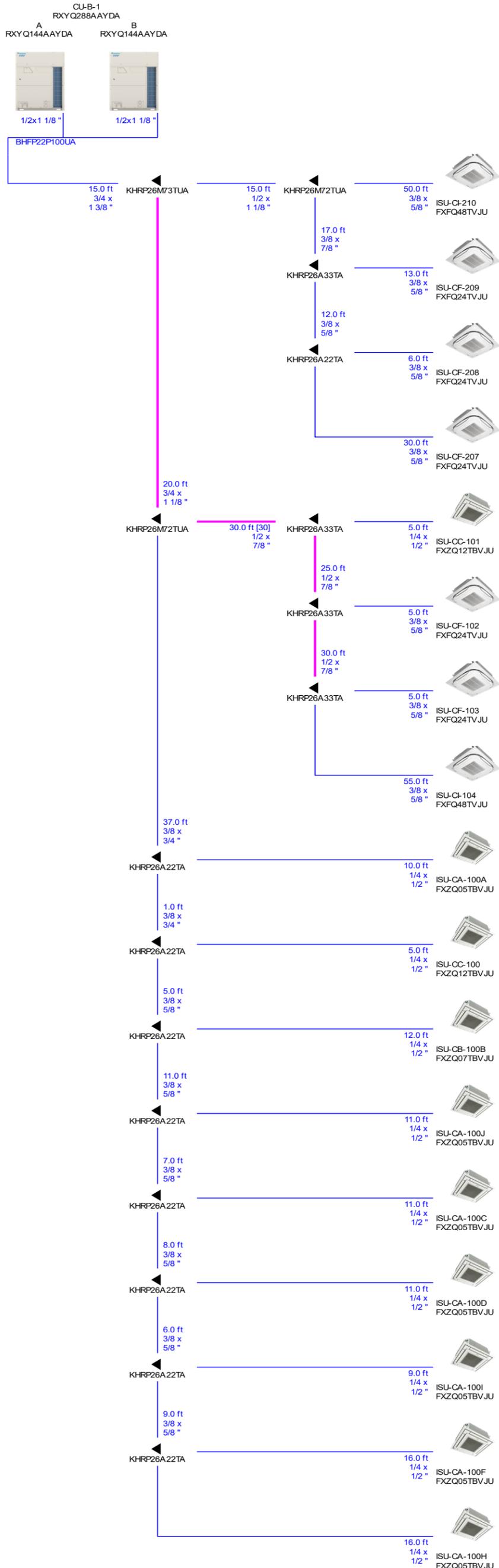
The system(s) contain fluorinated greenhouse gases.

The extra charge is calculated based on the pipe lengths specified. This may differ from the actual pipe lengths on site and therefore also from the real extra charge and the real TCO2 equivalent.

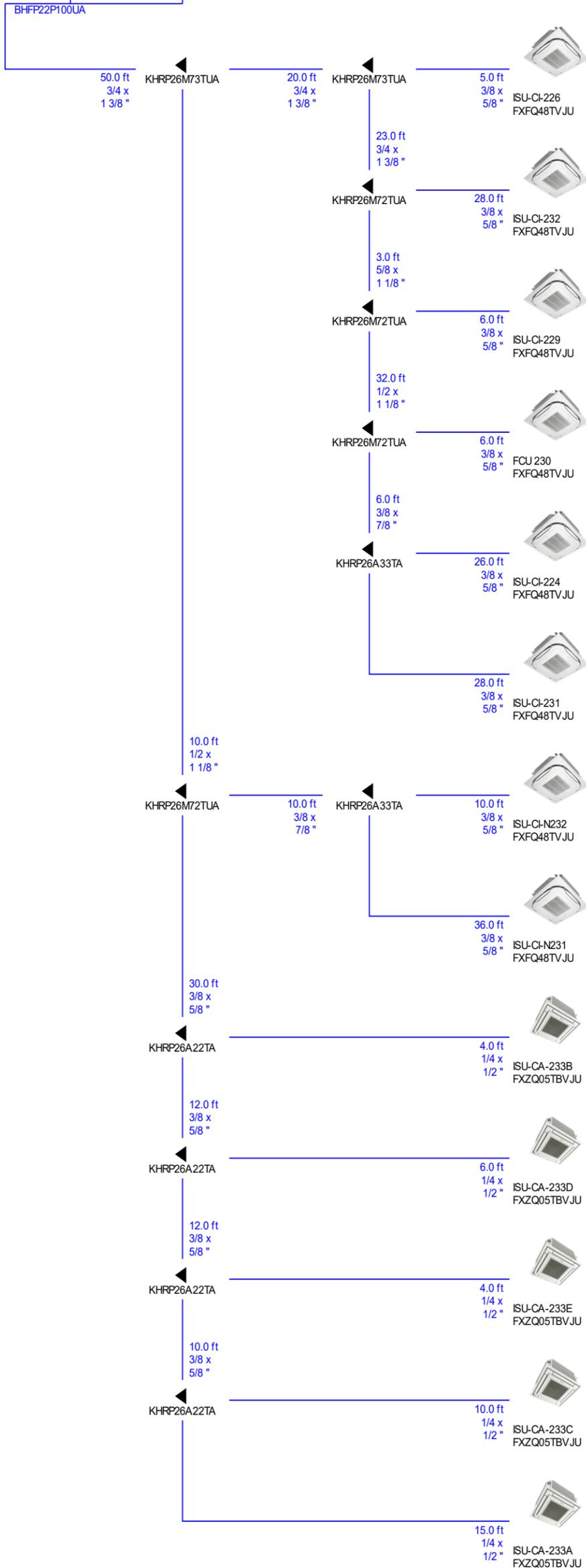
**SEGMENT LENGTHS ARE APPROXIMATED. INSTALLER MUST VERIFY EACH PIPING SEGMENT LENGTH PRIOR TO MAKING FINAL CONNECTIONS FOR FACTORY CONFIRMATION OF ACTUAL PIPING SIZES AND ADDED REFRIGERANT CHARGE REQUIREMENT**

CU-A-1  
RXYQ264AAYDA      B  
A      RXYQ120AAYDA  
RXYQ144AAYDA

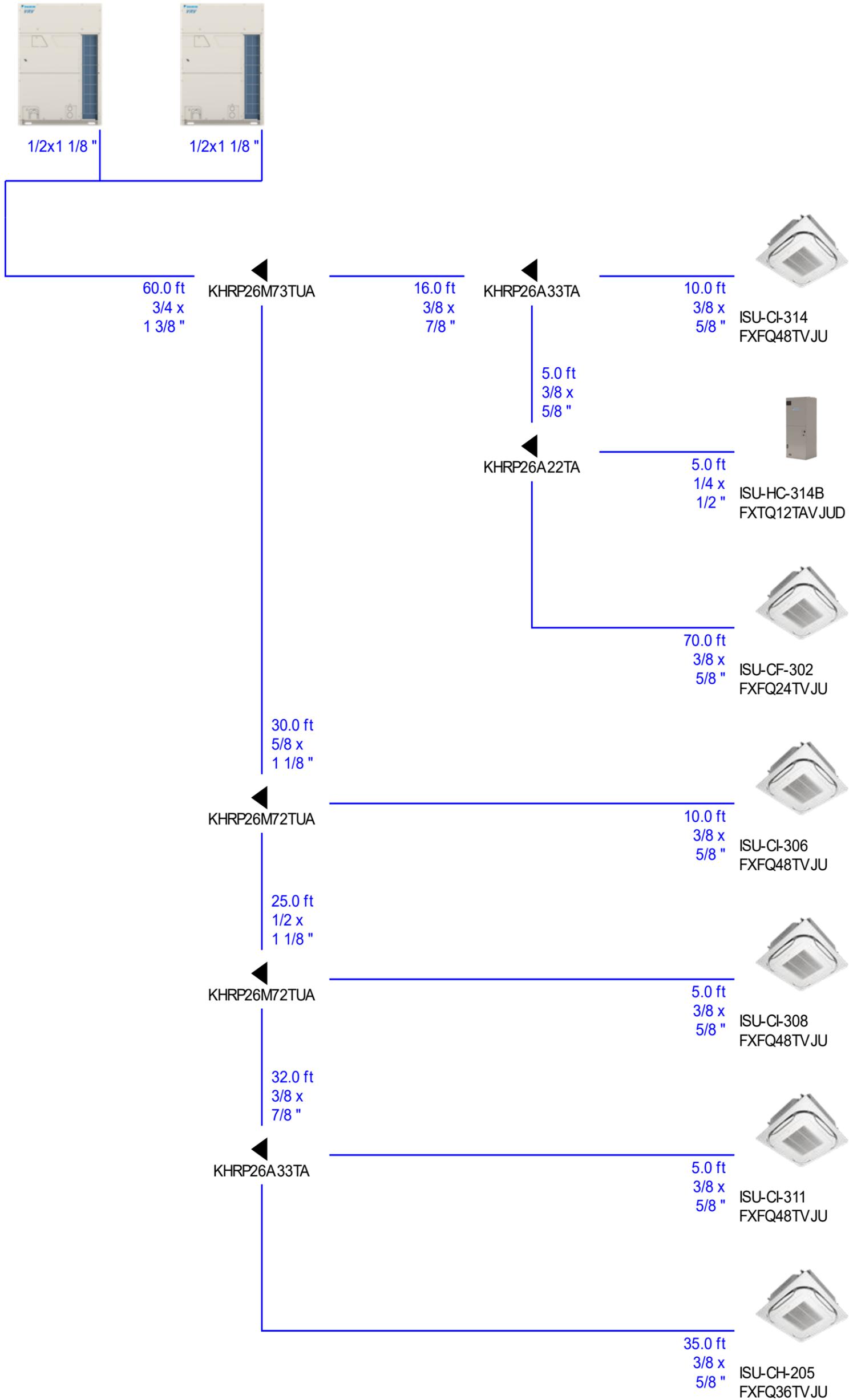




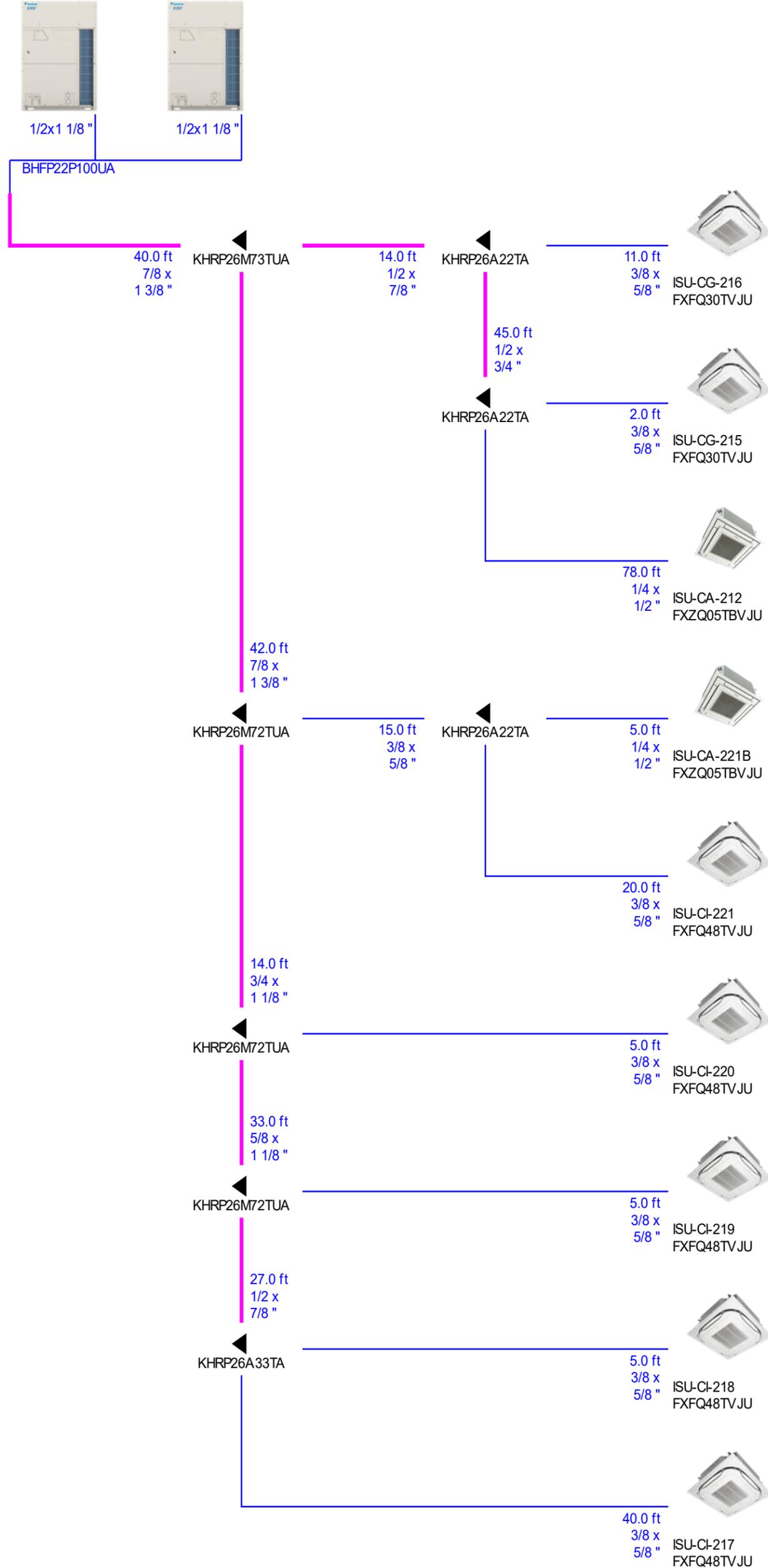
CU-C-1  
RXYQ312AAYDA  
A RXYQ168AAYDA B RXYQ144AAYDA



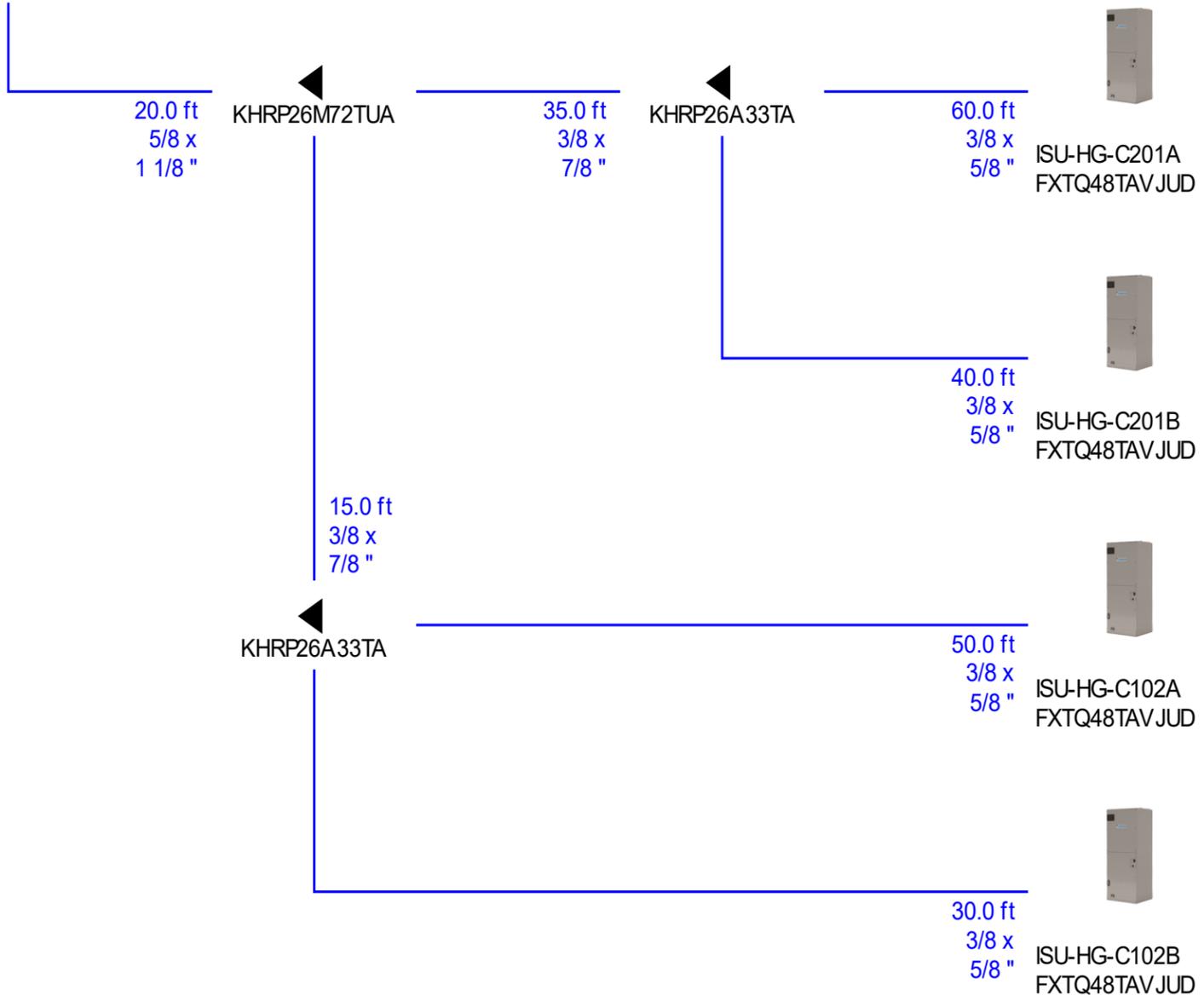
CU-D-1  
RXYQ264AAYDA  
A RXYQ144AAYDA B RXYQ120AAYDA



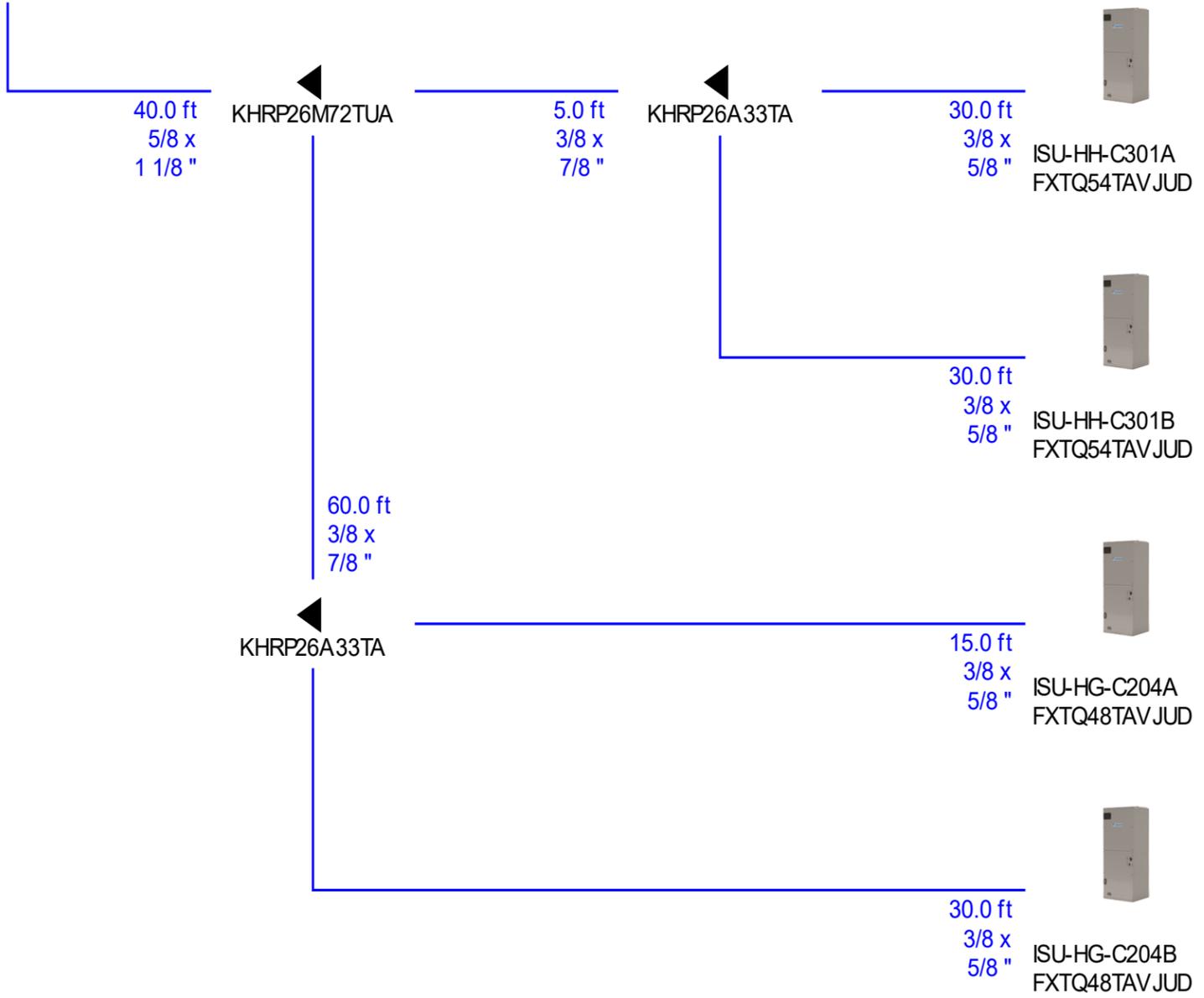
CU-E-1  
 RXYQ288AAYDA  
 A RXYQ144AAYDA B RXYQ144AAYDA



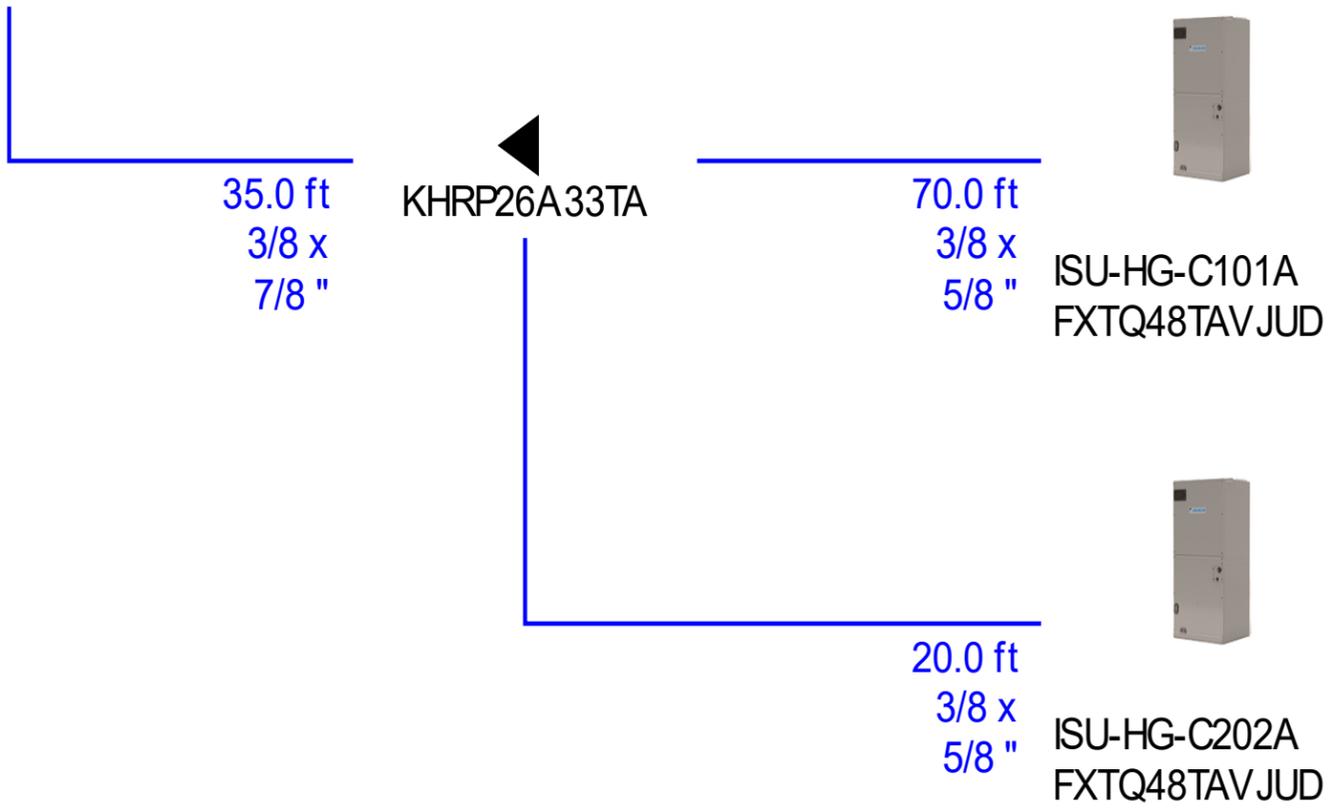
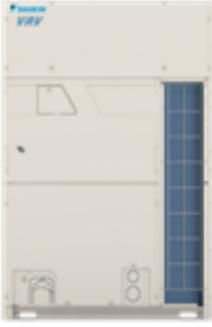
CU-G-1  
RXYQ192AAYDA



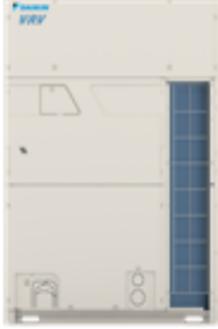
CU-H-1  
RXYQ192AAYDA



CU-K-1  
RXYQ96AAYDA



## CU-K-2 RXYQ96AAYDA



40.0 ft  
3/8 x  
7/8 "



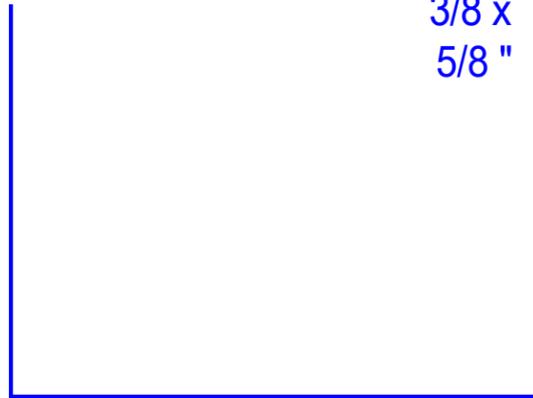
KHRP26A33TA



60.0 ft  
3/8 x  
5/8 "



ISU-HG-C101B  
FXTQ48TAVJUD



40.0 ft  
3/8 x  
5/8 "

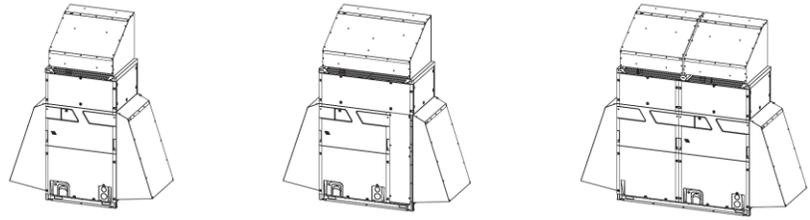


ISU-HG-C101C  
FXTQ48TAVJUD



## Submittal Data Sheet

Snow Wind Hood Kits for VRV EMERION



## DESCRIPTION

Snow Wind Hoods mount to units over the heat exchanger coil to protect from snow build-up and wind in cold climates.

## FEATURES

- Heavy duty powder paint finish matches Daikin equipment.
- Hoods install easily to condensing units using existing screw taps with no modification required.
- Different kits can be ordered for different job requirements per table below.

SPECIFICATIONS	
Unit Names	Snow Wind Hood Kits
Material	20 Gauge G90 Galvanized Steel
Paint	<b>Exterior:</b> Powder Paint Sandstone Beige <b>Interior:</b> Primer

KIT PART #	CHASSIS SIZE	KIT INCLUSION	
R 6-SHM-FR	M	Rear Hood	
R 6-SHL-FR	L	Front Hood	Rear Hood
R 6-SH L-FR	L	Rear Hood 2	
R 6-SH-RL	M L L	Right Hood	Left Hood
R 6-SHM-T	M	Top Hood	
R 6-SHL-T	L	Top Hood	
R 6-SH L-T	L	Top Hood	

### Number of kits required for each outdoor system

MODEL TYPE		MODULES	VRV6-SHM-FR	VRV6-SHL-FR	VRV6-SHXL-FR	VRV6-SH-RL	VRV6-SHM-T	VRV6-SHL-T	VRV6-SHXL-T	
VRV EMERION Heat Recovery / Heat Pump	208-230 460	REYQ / RXYQ72A	Single	1			1	1		
		REYQ / RXYQ96-168A	Single		1		1		1	
		REYQ / RXYQ192-240A	Single			1	1			1
		REYQ / RXYQ264-336A	Dual		2		1		2	
		REYQ / RXYQ360A	Dual		1	1	1		1	1
		REYQ / RXYQ384-480A	Dual			2	1			2

Daikin Comfort Technologies North America Inc. 19001 Kerrier Rd Waller T 77484

[www.daikinac.com](http://www.daikinac.com) [www.daikincomfort.com](http://www.daikincomfort.com)

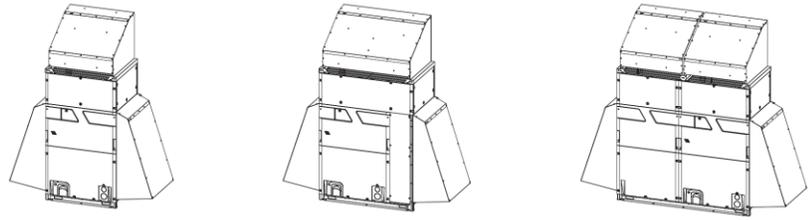
(Daikin's products are subject to continuous improvements. Daikin reserves the right to modify product design, specifications and information in this data sheet without notice and without incurring any obligations.)

**NEWBURGH GSD - GTE BUILDING  
PREPURCHASED EQUIPMENT  
06/06/2024 Page 60 of 106**



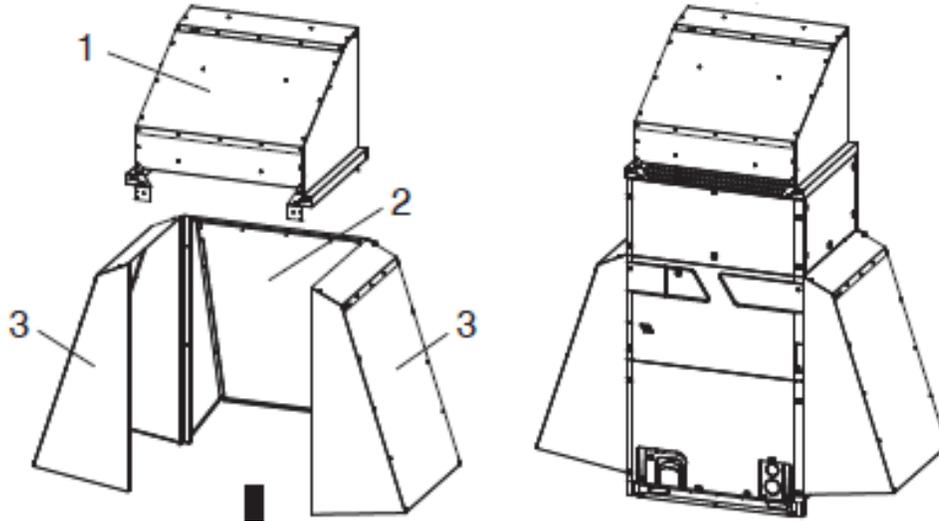
**Submittal Data Sheet**

Snow Wind Hood Kits for VRV EMERION



**M Chassis Dimensions**

MODEL	Chassis Size	Kit Part Number	Panel:	Description	per panel		
					Height (in.)	Width (in.)	Depth (in.)
		VRV6-SHM-FR	#2	Rear Hood 1	45	36	19
REYQ / RXYQ72AA*	M	VRV6-SHM-T	#1	Top Hood 1	23.6	33.5	28.9
		VRV6-SH-RL	#3	Right Left Hoods 2	45	29	18.8



Daikin Comfort Technologies North America Inc. 19001 Kerrier Rd Waller T 77484  
[www.daikinac.com](http://www.daikinac.com) [www.daikinco.com](http://www.daikinco.com)

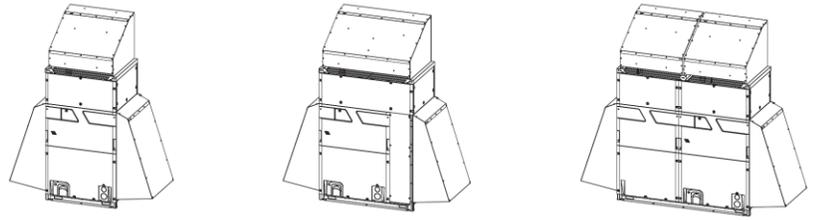
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**NEWBURGH GSD - STE BUILDING**  
**PREPURCHASED EQUIPMENT**  
 06/06/2024 Page 61 of 106



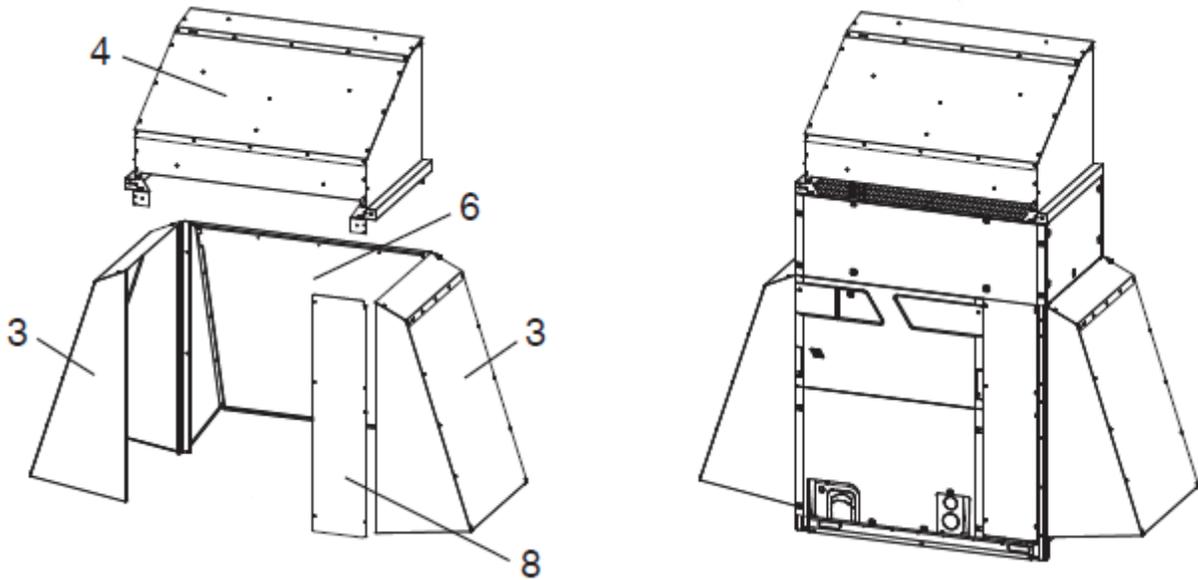
**Submittal Data Sheet**

Snow Wind Hood Kits for VRV EMERION



**L Chassis Dimensions**

MODEL	Chassis Size	Kit Part Number	Panel:	Description	per panel			
					Height (in.)	Width (in.)	Depth (in.)	
REYQ / RXYQ96/120/144/168AA*	L	VRV6-SHL-FR	#6	Rear Hood 1	45	48	19	
			#8	Front Hood 1	45.5	10		
			VRV6-SHL-T	#4	Top Hood 1	23.6	45.5	28.9
			VRV6-SH-RL	#3	Right Left Hoods 2	45	29	18.8



Daikin Comfort Technologies North America Inc. 19001 Kerrier Rd Waller T 77484  
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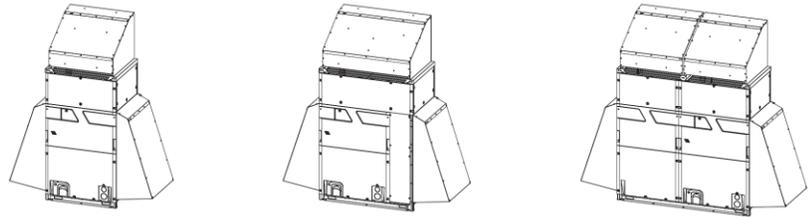
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**NEWBURGH GSD - STE BUILDING**  
**PREPURCHASED EQUIPMENT**  
 06/06/2024 Page 62 of 106



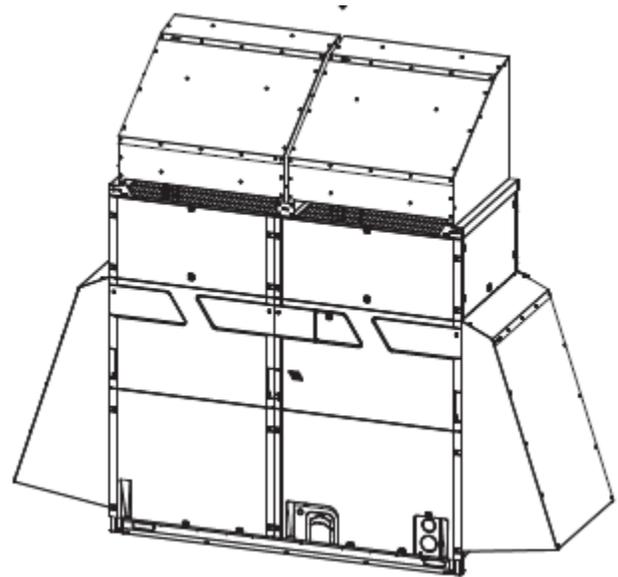
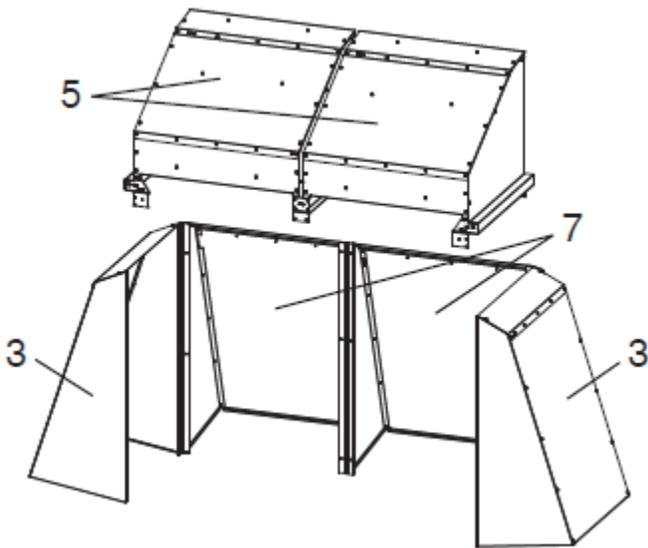
**Submittal Data Sheet**

Snow Wind Hood Kits for VRV EMERION



**XL Chassis Dimensions**

MODEL	Chassis Size	Kit Part Number	Panel:	Description	per panel		
					Height (in.)	Width (in.)	Depth (in.)
REYQ / RXYQ192/216/240AA*	XL	VRV6-SHXL-FR	#7	Rear Hood 2	45	36 - left 32 - right	19
		VRV6-SHXL-T	#5	Top Hood 2	23.6	32.3	28.9
		VRV6-SH-RL	#3	Right Left Hoods 2	45	29	18.8



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**NEWBURGH GSD - STE BUILDING**  
**PREPURCHASED EQUIPMENT**  
 06/06/2024 Page 63 of 106



### Submittal Data Sheet

22 Ton, 460V, VRV EMERION HP - RXYQ264AAAYDA

Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

Submitted to: No Engineer Name Specified

Tags: CU-A-1, CU-D-1



## PERFORMANCE

Outdoor Unit Model No.	RXYQ264AAAYDA	Outdoor Unit Name:	22 Ton, 460V, VRV EMERION HP
Type:	Heat Pump	Unit Combination:	RXYQ120AAAYDA + RXYQ144AAAYDA
Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Rated Piping Length(ft):			
Rated Height Difference (ft):			
Rated Cooling Capacity (Btu/hr):	252,000	Rated Heating Capacity (Btu/hr):	282,000
Nom Cooling Capacity (Btu/hr):	264,000	Nom Heating Capacity (Btu/hr):	297,000
Cooling Input Power (kW):		Heating Input Power (kW):	
EER (Non-Ducted/Ducted):	11.20 / 10.00	Heating COP (Non-Ducted/Ducted):	3.5 / 3.2
IEER (Non-Ducted/Ducted):	22.60 / 19.20	Heating COP 17F (Non-Ducted/Ducted):	2.3 / 2.1

## OUTDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	460 / 60 / 3	Compressor Stage:	
Power Supply Connections:		Capacity Control Range (%):	1 - 100
Min. Circuit Amps MCA (A):	16.6 + 21.3	Capacity Index Limit:	-
Max Overcurrent Protection (MOP) (A):	20 + 25	Airflow Rate (H) (CFM):	8965+9935
Max Starting Current MSC(A):		Gas Pipe Connection (inch):	1-3/8
Rated Load Amps RLA(A):	(10.5+10.6)+(10.0+15.8)	Liquid Pipe Connection (inch):	3/4
Dimensions (Height) (in):	65-3/8	H/L Pressure Connection (inch)	
Dimensions (Width) (in):	48-13/16 in+48-13/16	H/L Equalizing Connection (inch)	
Dimensions (Depth) (in):	30-1/8	Sound Pressure (H) (dBA):	67
Net Weight (lb):	712 + 785	Sound Power Level (dBA):	

### Submittal Data Sheet

22 Ton, 460V, VRV EMERION HP - RXYQ264AAYDA

Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

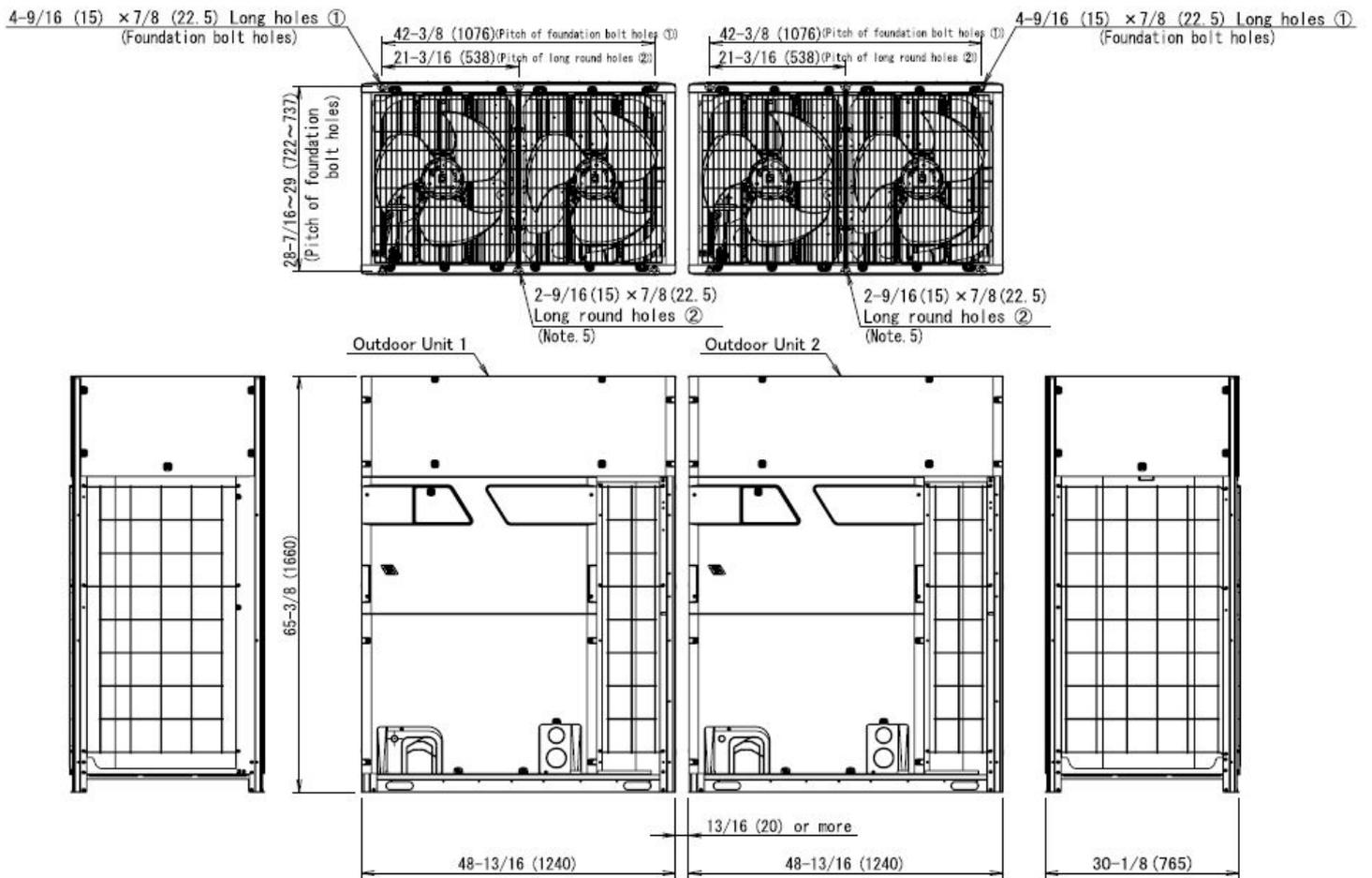
Submitted to: No Engineer Name Specified

Tags: CU-A-1, CU-D-1

## SYSTEM DETAILS

Refrigerant Type:	R-410A	Cooling Operation Range (°F DB):	23 - 122
Holding Refrigerant Charge (lbs):	25.4+ 25.8	Heating Operation Range (°F WB):	-13 - 60
Additional Charge (oz/ft):		Max. Pipe Length (Vertical) (ft):	
Pre-charge Piping (Length) (ft):		Cooling Range w/Baffle (°F DB):	-
Max. Pipe Length (Total) (ft):			
Max Height Separation (Ind to Ind ft):			

### DIMENSIONAL DRAWING





## Submittal Data Sheet

24 Ton, 460V, VRV EMERION HP - RXYQ288AAYDA

Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

Submitted to: No Engineer Name Specified

Tags: CU-B-1, CU-E-1

### PERFORMANCE

Outdoor Unit Model No.	RXYQ288AAYDA	Outdoor Unit Name:	24 Ton, 460V, VRV EMERION HP
Type:	Heat Pump	Unit Combination:	RXYQ144AAYDA(x2)
Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Rated Piping Length(ft):			
Rated Height Difference (ft):			
Rated Cooling Capacity (Btu/hr):	274,000	Rated Heating Capacity (Btu/hr):	294,000
Nom Cooling Capacity (Btu/hr):	288,000	Nom Heating Capacity (Btu/hr):	324,000
Cooling Input Power (kW):		Heating Input Power (kW):	
EER (Non-Ducted/Ducted):	11.40 / 10.30	Heating COP (Non-Ducted/Ducted):	3.5 / 3.3
IEER (Non-Ducted/Ducted):	22.40 / 19.20	Heating COP 17F (Non-Ducted/Ducted):	2.4 / 2.2

### OUTDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	460 / 60 / 3	Compressor Stage:	
Power Supply Connections:		Capacity Control Range (%):	1 - 100
Min. Circuit Amps MCA (A):	21.3+21.3	Capacity Index Limit:	-
Max Overcurrent Protection (MOP) (A):	25.25	Airflow Rate (H) (CFM):	9935+9935
Max Starting Current MSC(A):		Gas Pipe Connection (inch):	1-3/8
Rated Load Amps RLA(A):	(10.+15.8)x2	Liquid Pipe Connection (inch):	3/4
Dimensions (Height) (in):	65-3/8	H/L Pressure Connection (inch)	
Dimensions (Width) (in):	48-13/16 in+48-13/16	H/L Equalizing Connection (inch)	
Dimensions (Depth) (in):	30-1/8	Sound Pressure (H) (dBA):	69
Net Weight (lb):	761+761	Sound Power Level (dBA):	

### Submittal Data Sheet

24 Ton, 460V, VRV EMERION HP - RXYQ288AAYDA

Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

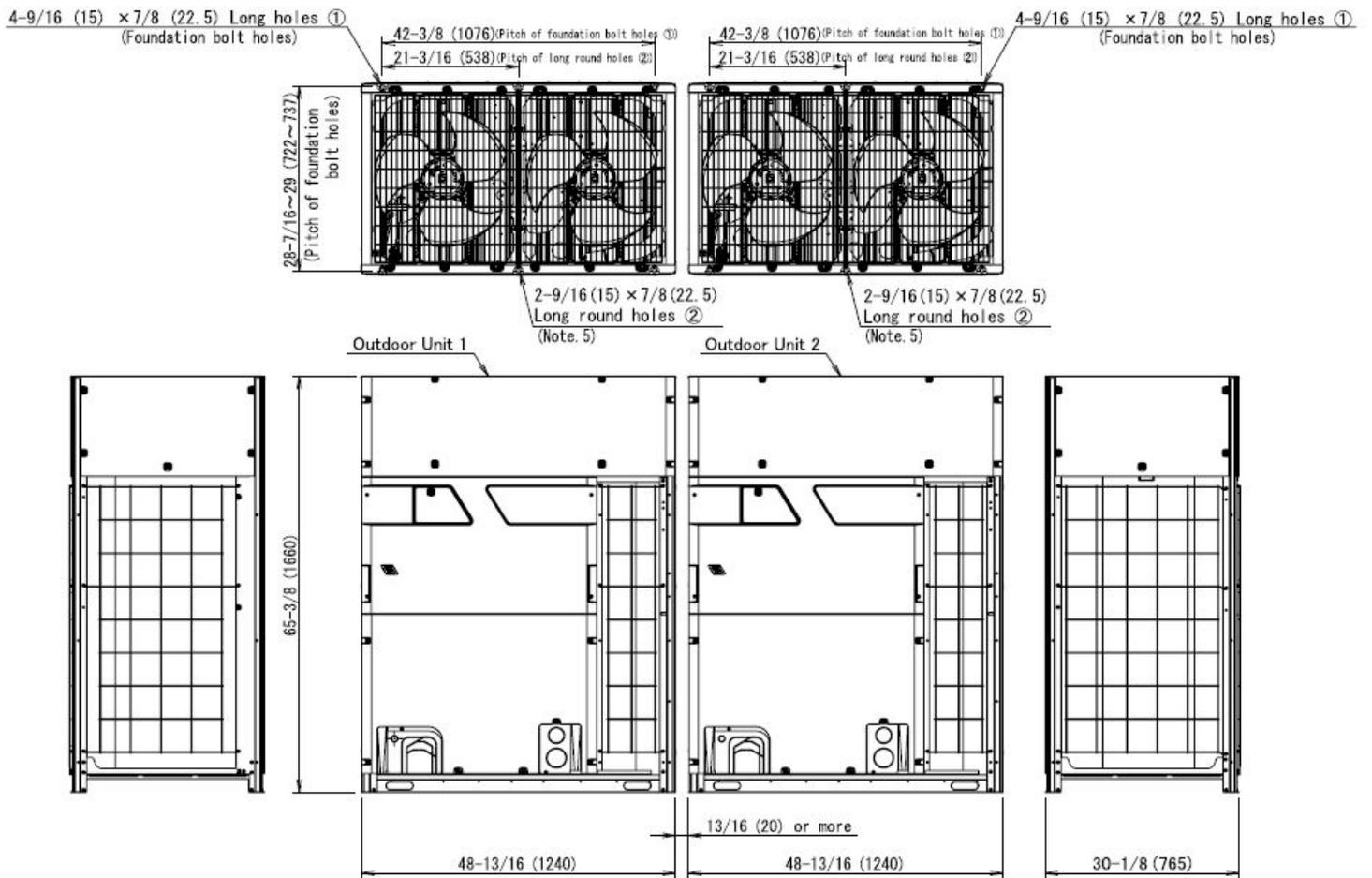
Submitted to: No Engineer Name Specified

Tags: CU-B-1, CU-E-1

## SYSTEM DETAILS

Refrigerant Type:	R-410A	Cooling Operation Range (°F DB):	23 - 122
Holding Refrigerant Charge (lbs):	25.8+25.8	Heating Operation Range (°F WB):	-13 - 60
Additional Charge (oz/ft):		Max. Pipe Length (Vertical) (ft):	295
Pre-charge Piping (Length) (ft):		Cooling Range w/Baffle (°F DB):	-
Max. Pipe Length (Total) (ft):	540		
Max Height Separation (Ind to Ind ft):			

### DIMENSIONAL DRAWING





## Submittal Data Sheet

26 Ton, 460V, VRV EMERION HP - RXYQ312AAAYDA

Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

Submitted to: No Engineer Name Specified

Tags: CU-C-1

### PERFORMANCE

Outdoor Unit Model No.	RXYQ312AAAYDA	Outdoor Unit Name:	26 Ton, 460V, VRV EMERION HP
Type:	Heat Pump	Unit Combination:	RXYQ144AAAYDA + RXYQ168AAAYDA
Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Rated Piping Length(ft):			
Rated Height Difference (ft):			
Rated Cooling Capacity (Btu/hr):	296,000	Rated Heating Capacity (Btu/hr):	320,000
Nom Cooling Capacity (Btu/hr):	312,000	Nom Heating Capacity (Btu/hr):	351,000
Cooling Input Power (kW):		Heating Input Power (kW):	
EER (Non-Ducted/Ducted):	10.70 / 10.20	Heating COP (Non-Ducted/Ducted):	3.5 / 3.2
IEER (Non-Ducted/Ducted):	21.80 / 19.20	Heating COP 17F (Non-Ducted/Ducted):	2.4 / 2.1

### OUTDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	460 / 60 / 3	Compressor Stage:	
Power Supply Connections:		Capacity Control Range (%):	1 - 100
Min. Circuit Amps MCA (A):	21.3+24.9	Capacity Index Limit:	-
Max Overcurrent Protection (MOP) (A):	25+30	Airflow Rate (H) (CFM):	9935+9935
Max Starting Current MSC(A):		Gas Pipe Connection (inch):	1-3/8
Rated Load Amps RLA(A):	(10.0+15.8)+(12.5+20.0)	Liquid Pipe Connection (inch):	3/4
Dimensions (Height) (in):	65-3/8	H/L Pressure Connection (inch)	
Dimensions (Width) (in):	48-13/16 in+48-13/16	H/L Equalizing Connection (inch)	
Dimensions (Depth) (in):	30-1/8	Sound Pressure (H) (dBA):	69
Net Weight (lb):	761+761	Sound Power Level (dBA):	



## Submittal Data Sheet

26 Ton, 460V, VRV EMERION HP - RXYQ312AAYDA

Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

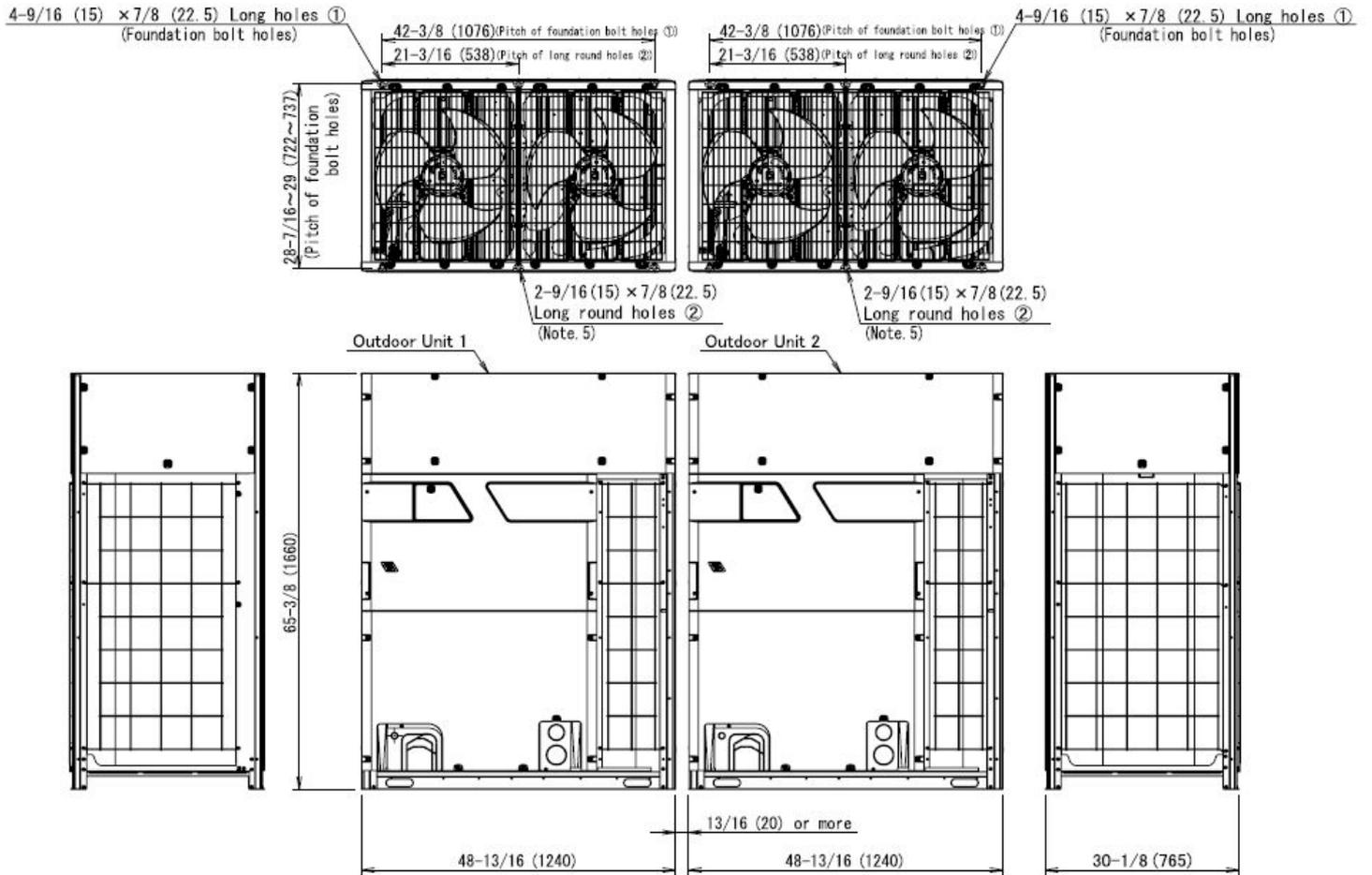
Submitted to: No Engineer Name Specified

Tags: CU-C-1

### SYSTEM DETAILS

Refrigerant Type:	R-410A	Cooling Operation Range (°F DB):	23 - 122
Holding Refrigerant Charge (lbs):	25.8+28.8	Heating Operation Range (°F WB):	-13 - 60
Additional Charge (oz/ft):		Max. Pipe Length (Vertical) (ft):	295
Pre-charge Piping (Length) (ft):		Cooling Range w/Baffle (°F DB):	-
Max. Pipe Length (Total) (ft):	540		
Max Height Separation (Ind to Ind ft):			

### DIMENSIONAL DRAWING





## Submittal Data Sheet

16 Ton, 460V, VRV EMERION HP - RXYQ192AAYDA

Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

Submitted to: No Engineer Name Specified

Tags: CU-G-1, CU-H-1

### PERFORMANCE

Outdoor Unit Model No.	RXYQ192AAYDA	Outdoor Unit Name:	16 Ton, 460V, VRV EMERION HP
Type:	Heat Pump	Unit Combination:	
Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Rated Piping Length(ft):			
Rated Height Difference (ft):			
Rated Cooling Capacity (Btu/hr):	184,000	Rated Heating Capacity (Btu/hr):	206,000
Nom Cooling Capacity (Btu/hr):	192,000	Nom Heating Capacity (Btu/hr):	216,000
Cooling Input Power (kW):		Heating Input Power (kW):	
EER (Non-Ducted/Ducted):	11.60 / 11.60	Heating COP (Non-Ducted/Ducted):	3.7 / 3.4
IEER (Non-Ducted/Ducted):	23.60 / 21.20	Heating COP 17F (Non-Ducted/Ducted):	2.2 / 2.1

### OUTDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	460 / 60 / 3	Compressor Stage:	
Power Supply Connections:		Capacity Control Range (%):	4 - 100
Min. Circuit Amps MCA (A):	28.3	Capacity Index Limit:	-
Max Overcurrent Protection (MOP) (A):	35	Airflow Rate (H) (CFM):	13665
Max Starting Current MSC(A):		Gas Pipe Connection (inch):	1-1/8
Rated Load Amps RLA(A):		Liquid Pipe Connection (inch):	5/8
Dimensions (Height) (in):	65-3/8	H/L Pressure Connection (inch)	
Dimensions (Width) (in):	68-7/8	H/L Equalizing Connection (inch)	
Dimensions (Depth) (in):	30-1/8	Sound Pressure (H) (dBA):	67
Net Weight (lb):	915	Sound Power Level (dBA):	



## Submittal Data Sheet

16 Ton, 460V, VRV EMERION HP - RXYQ192AAAYDA

Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

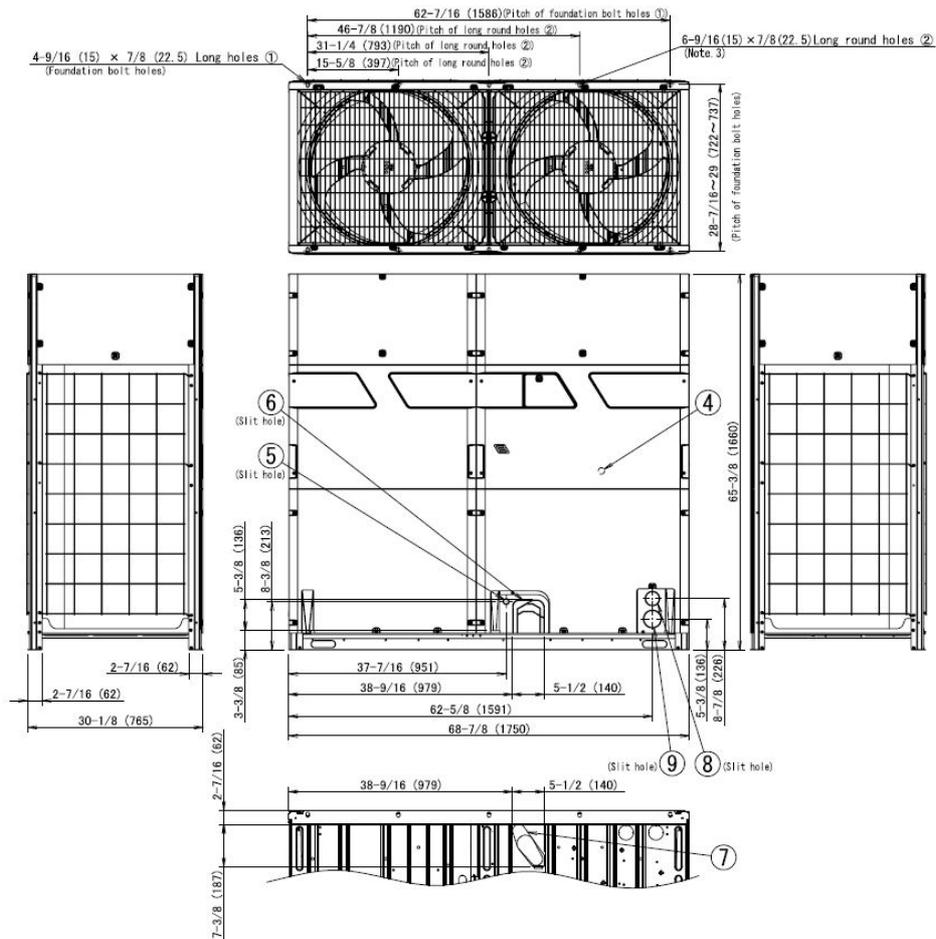
Submitted to: No Engineer Name Specified

Tags: CU-G-1, CU-H-1

### SYSTEM DETAILS

Refrigerant Type:	R-410A	Cooling Operation Range (°F DB):	23 - 122
Holding Refrigerant Charge (lbs):	25.8	Heating Operation Range (°F WB):	-13 - 60
Additional Charge (oz/ft):		Max. Pipe Length (Vertical) (ft):	295
Pre-charge Piping (Length) (ft):		Cooling Range w/Baffle (°F DB):	-
Max. Pipe Length (Total) (ft):	540		
Max Height Separation (Ind to Ind ft):			

### DIMENSIONAL DRAWING





# CU-J-1 WITH ISU-HG-C103

## Submittal Data Sheet

4.0-Ton Multi-Position Air Handler  
FTQ48TAVJUDRZQ48TAVJUA

### SYSTEM PERFORMANCE

Indoor Unit Model No.	FTQ48TAVJUD	Indoor Unit Name:	air handler
Outdoor Unit Model No.	RZQ48TAVJUA	Outdoor Unit Name:	Sky-Air 4.0 Ton Heat Pump ODU
Rated Cooling Capacity (Btu/hr):	48,000	Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75
Sensible Capacity (Btu/hr):	32,700	Rated Piping Length(ft):	25
Max/Min Cooling Capacity (Btu/hr):	/	Rated Height Difference (ft):	0.00
Cooling Input Power (kW):		Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
SEER (Non-Ducted/Ducted):	/ 14.80		
EER (Non-Ducted/Ducted):	/ 9.50		
Rated Heating Capacity (Btu/hr):	54,000		
Heating Input Power (kW):	0.52		

### SYSTEM DETAILS

Refrigerant Type:	R-410A	Cooling Operation Range (°F DB):	23 - 122
Holding Refrigerant Charge (lbs):	7.9	Heating Operation Range (°F WB):	-4 - 60
Additional Charge (lb/ft):	0.04	Max. Pipe Length (Vertical) (ft):	98
Pre-charge Piping (Length) (ft):	15	Cooling Range w/Baffle (°F DB):	0 - 122
Max. Pipe Length (Total) (ft):	230	Heating Range w/Baffle (°F WB):	-
Max Height Separation (Ind to Ind ft):	0		



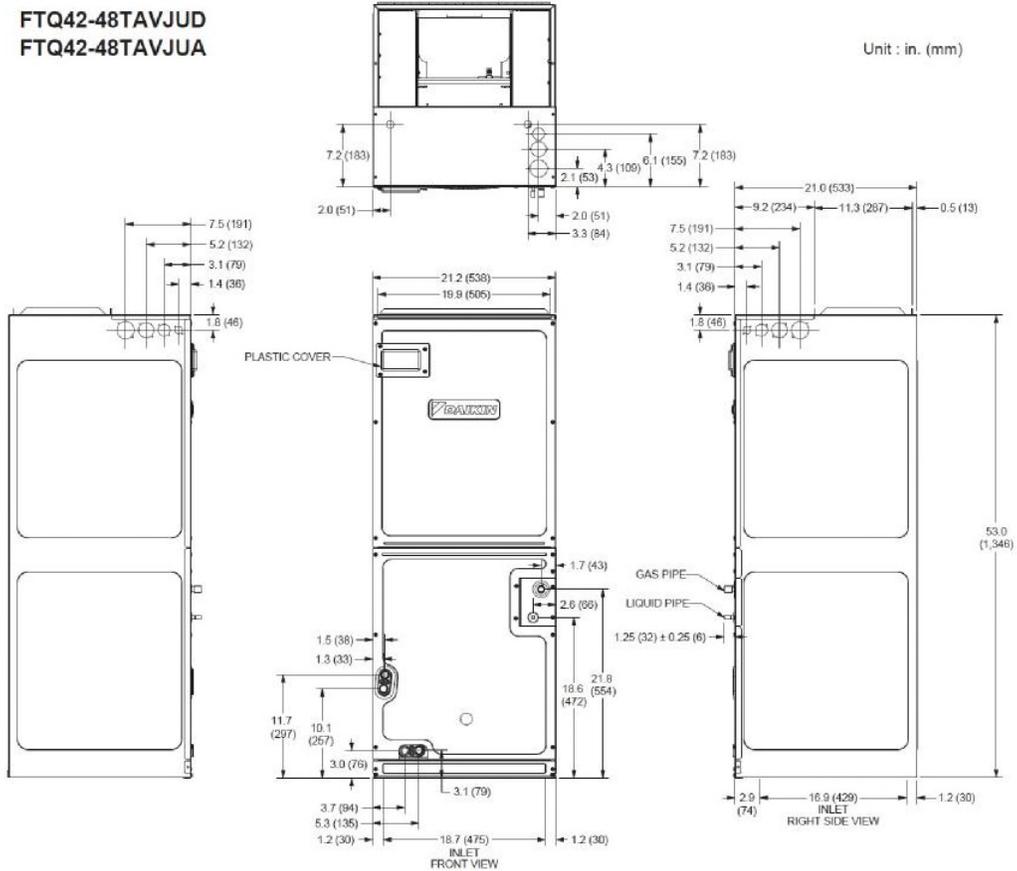
**Submittal Data Sheet**  
 4.0-Ton Multi-Position Air Handler  
 FTQ48TAVJUDRZQ48TAVJUA

**ISU-HG-C103**

**INDOOR UNIT DETAILS**

Power Supply (V/Hz/Ph):	208/230 / 60 / 1	Airflow Rate (H) (CFM):	1520
Power Supply Connections:	L1, L2, Ground	Moisture Removal (Gal/hr):	
Min. Circuit Amps MCA (A):	6.5	Gas Pipe Connection (inch):	5/8
Max Overcurrent Protection (MOP) (A):	15	Liquid Pipe Connection (inch):	3/8
Dimensions (HxWxD) (in):	53.43 x 21 x 21	Condensate Connection (inch):	3/4
Net Weight (lb):	150	Sound Pressure (H/M/L) (dBA):	54 / 50 / 46
Ext. Static Pressure (Rated/Max) (inWg):	/ 0.9	Sound Power Level (dBA):	

**DIMENSIONAL DRAWING - INDOOR UNIT**





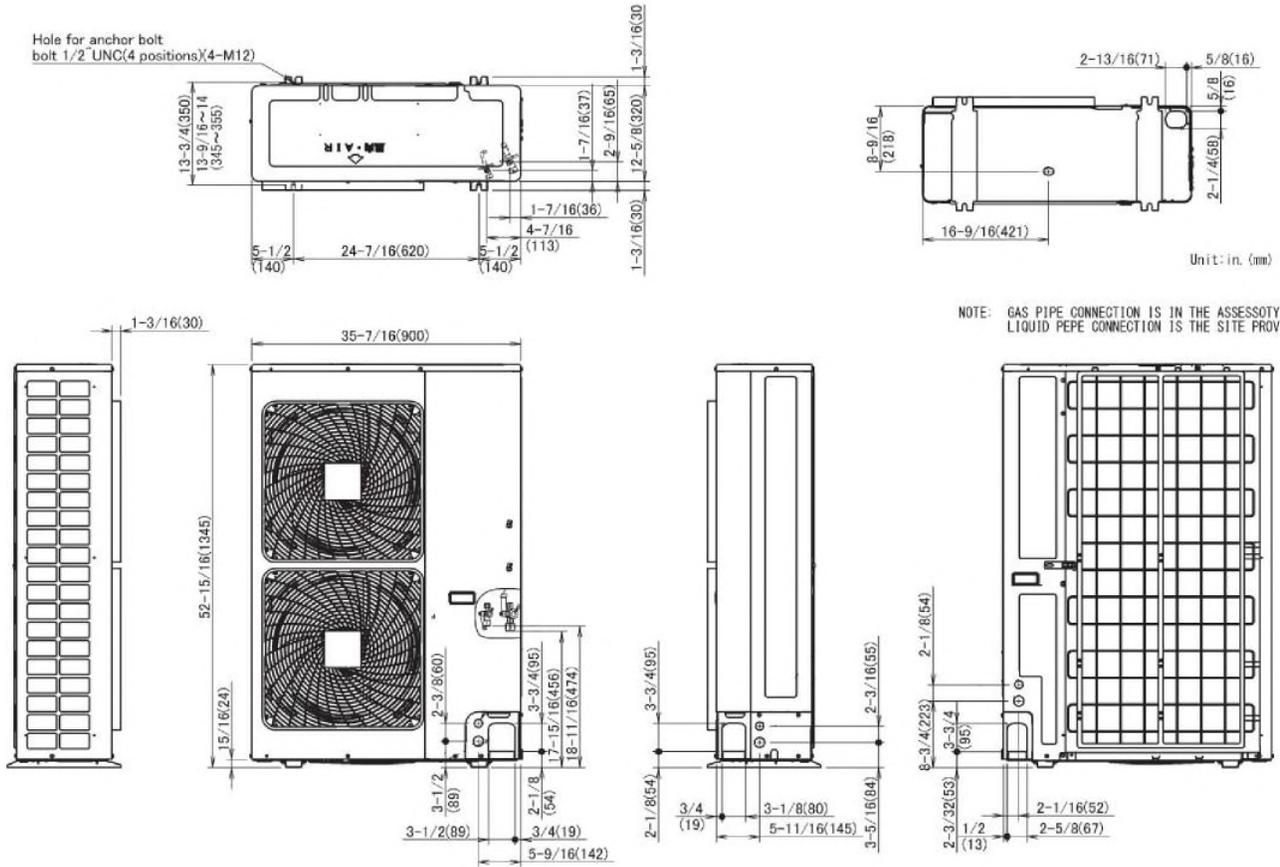
# CU-J-1

## Submittal Data Sheet

4.0-Ton Multi-Position Air Handler  
FTQ48TAVJUDRZQ48TAVJUA

### OUTDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208-230 / 60 / 1	Compressor Stage:	
Power Supply Connections:	L1, L2, Ground	Capacity Control Range (%):	14 - 100
Min. Circuit Amps MCA (A):	29.1	Airflow Rate (H) (CFM):	3471
Max Overcurrent Protection (MOP) (A):	35	Gas Pipe Connection (inch):	5/8
Max Starting Current MSC(A):		Liquid Pipe Connection (inch):	3/8
Rated Load Amps RLA(A):	19	Sound Pressure (H) (dBA):	57
Dimensions (HxWxD) (in):	52-15/16 x 35-7/16 x 12-5/8	Sound Power Level (dBA):	
Net Weight (lb):	225		





## Submittal Data Sheet

8 Ton, 460V, VRV HP EMERION - RXYQ96AAYDA

Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

Submitted to: No Engineer Name Specified

Tags: CU-K-1, CU-K-2

### PERFORMANCE

Outdoor Unit Model No.	RXYQ96AAYDA	Outdoor Unit Name:	8 Ton, 460V, VRV HP EMERION
Type:	Heat Pump	Unit Combination:	
Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Rated Piping Length(ft):			
Rated Height Difference (ft):			
Rated Cooling Capacity (Btu/hr):	92,000	Rated Heating Capacity (Btu/hr):	103,000
Nom Cooling Capacity (Btu/hr):	96,000	Nom Heating Capacity (Btu/hr):	108,000
Cooling Input Power (kW):		Heating Input Power (kW):	
EER (Non-Ducted/Ducted):	14.30 /	Heating COP (Non-Ducted/Ducted):	4.1 / 3.5
IEER (Non-Ducted/Ducted):	28.50 / 24.80	Heating COP 17F (Non-Ducted/Ducted):	2.5 / 2.4

### OUTDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	460 / 60 / 3	Compressor Stage:	
Power Supply Connections:		Capacity Control Range (%):	4 - 100
Min. Circuit Amps MCA (A):	16.4	Capacity Index Limit:	-
Max Overcurrent Protection (MOP) (A):	20	Airflow Rate (H) (CFM):	8965
Max Starting Current MSC(A):		Gas Pipe Connection (inch):	7/8
Rated Load Amps RLA(A):		Liquid Pipe Connection (inch):	3/8
Dimensions (Height) (in):	65-3/8	H/L Pressure Connection (inch)	
Dimensions (Width) (in):	48-13/16	H/L Equalizing Connection (inch)	
Dimensions (Depth) (in):	30-1/8	Sound Pressure (H) (dBA):	61
Net Weight (lb):		Sound Power Level (dBA):	



## Submittal Data Sheet

8 Ton, 460V, VRV HP EMERION - RXYQ96AAYDA

Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

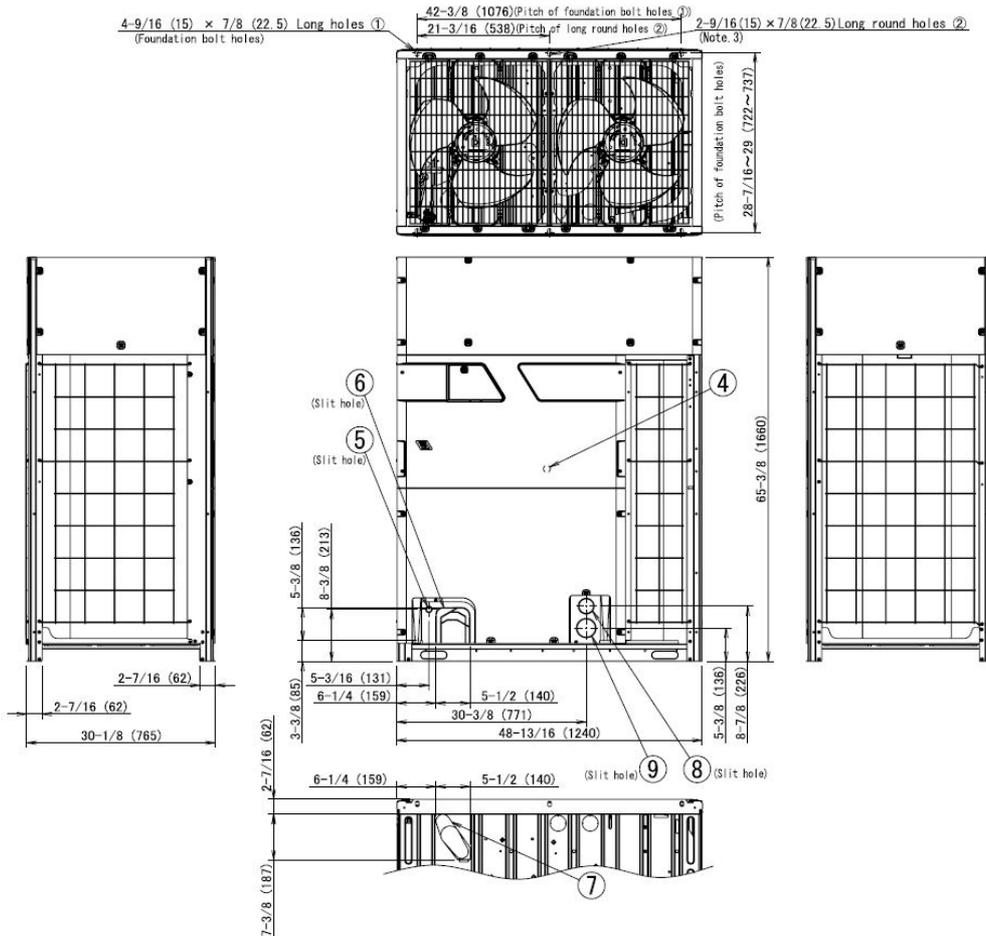
Submitted to: No Engineer Name Specified

Tags: CU-K-1, CU-K-2

### SYSTEM DETAILS

Refrigerant Type:	R-410A	Cooling Operation Range (°F DB):	23 - 122
Holding Refrigerant Charge (lbs):	24.9	Heating Operation Range (°F WB):	-13 - 60
Additional Charge (oz/ft):		Max. Pipe Length (Vertical) (ft):	295
Pre-charge Piping (Length) (ft):		Cooling Range w/Baffle (°F DB):	-
Max. Pipe Length (Total) (ft):	540		
Max Height Separation (Ind to Ind ft):			

### DIMENSIONAL DRAWING





## Submittal Data Sheet

1.0-Ton Multi Position Air Handling Unit (w/ Disconnect) - FXTQ12TAVJUD

Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

Submitted to: No Engineer Name Specified

Tags: ISU-HC-314B

### PERFORMANCE

Indoor Unit Model No.	FXTQ12TAVJUD	Indoor Unit Name:	1.0-Ton Multi Position Air Handling Unit (w/ Disconnect)
Type:	Ducted	Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75
Rated Cooling Capacity (Btu/hr):	12,000	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Sensible Capacity (Btu/hr):	9,900	Rated Piping Length(ft):	
Cooling Input Power (kW):	0.150	Rated Height Separation (ft):	
Rated Heating Capacity (Btu/hr):	13,500		
Heating Input Power (kW):	0.15		

### INDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208/230 / 60 / 1	Airflow Rate (H/M/L) (CFM):	400/340/280
Power Supply Connections:		Moisture Removal (Gal/hr):	
Min. Circuit Amps MCA (A):	4.9/4.9	Gas Pipe Connection (inch):	1/2
Max Overcurrent Protection (MOP) (A):	15	Liquid Pipe Connection (inch):	1/4
Dimensions (HxWxD) (in):	45 x 17.5 x 21	Condensate Connection (inch):	3/4
Net Weight (lb):	115	Sound Pressure (H) (dBA):	36
Ext. Static Pressure (Rated/Max) (inWg):	/ 0.9"	Sound Power Level (dBA):	45



### Submittal Data Sheet

1.0-Ton Multi Position Air Handling Unit (w/ Disconnect) - FXTQ12TAVJUD

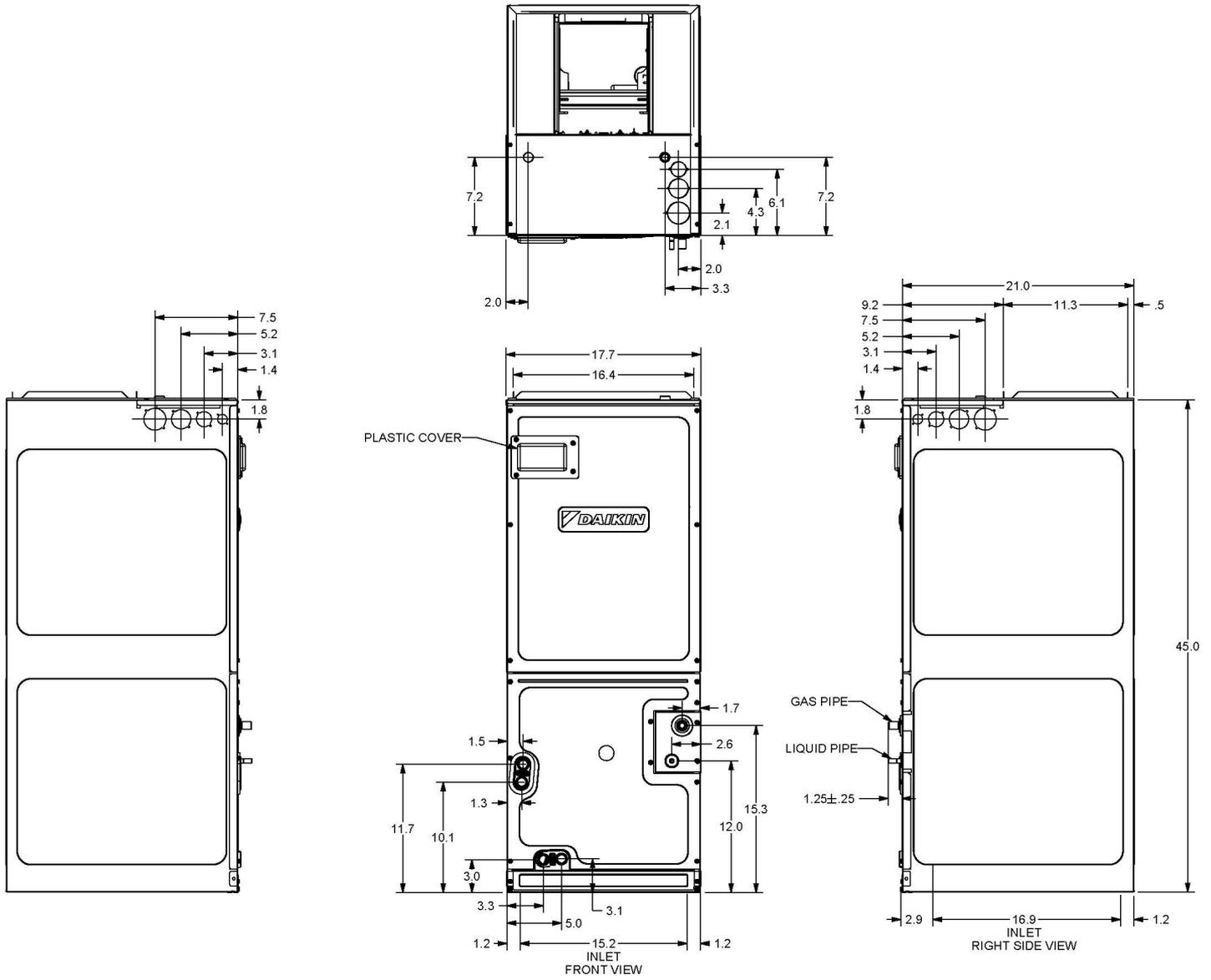
Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

Submitted to: No Engineer Name Specified

Tags: ISU-HC-314B

### DIMENSIONAL DRAWING



FXTQ09/12/18/24/30/36 TAVJU



## Submittal Data Sheet

4.0-Ton Multi Position Air Handling Unit (w/ Disconnect) - FXTQ48TAVJUD

Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

Submitted to: No Engineer Name Specified

Tags: ISU-HG-C201A, ISU-HG-C201B, ISU-HG-C102A, ISU-HG-C102B, ISU-HG-C204A, ISU-HG-C204B, ISU-HG-C101A, ISU-HG-C202A, ISU-HG-C101B, ISU-HG-C101C

### PERFORMANCE

Indoor Unit Model No.	FXTQ48TAVJUD	Indoor Unit Name:	4.0-Ton Multi Position Air Handling Unit (w/ Disconnect)
Type:	Ducted	Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75
Rated Cooling Capacity (Btu/hr):	48,000	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Sensible Capacity (Btu/hr):	32,700	Rated Piping Length(ft):	
Cooling Input Power (kW):	0.520	Rated Height Separation (ft):	
Rated Heating Capacity (Btu/hr):	54,000		
Heating Input Power (kW):	0.52		

### INDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208/230 / 60 / 1	Airflow Rate (H/M/L) (CFM):	1520/1,290/1,060
Power Supply Connections:	L1, L2, Ground	Moisture Removal (Gal/hr):	
Min. Circuit Amps MCA (A):	6.5/6.5	Gas Pipe Connection (inch):	5/8
Max Overcurrent Protection (MOP) (A):	15	Liquid Pipe Connection (inch):	3/8
Dimensions (HxWxD) (in):	53.43 x 21 x 21	Condensate Connection (inch):	3/4
Net Weight (lb):	150	Sound Pressure ( ) (dBA):	
Ext. Static Pressure (Rated/Max) (inWg):	/ 0.9"	Sound Power Level (dBA):	



### Submittal Data Sheet

4.0-Ton Multi Position Air Handling Unit (w/ Disconnect) - FXTQ48TAVJUD

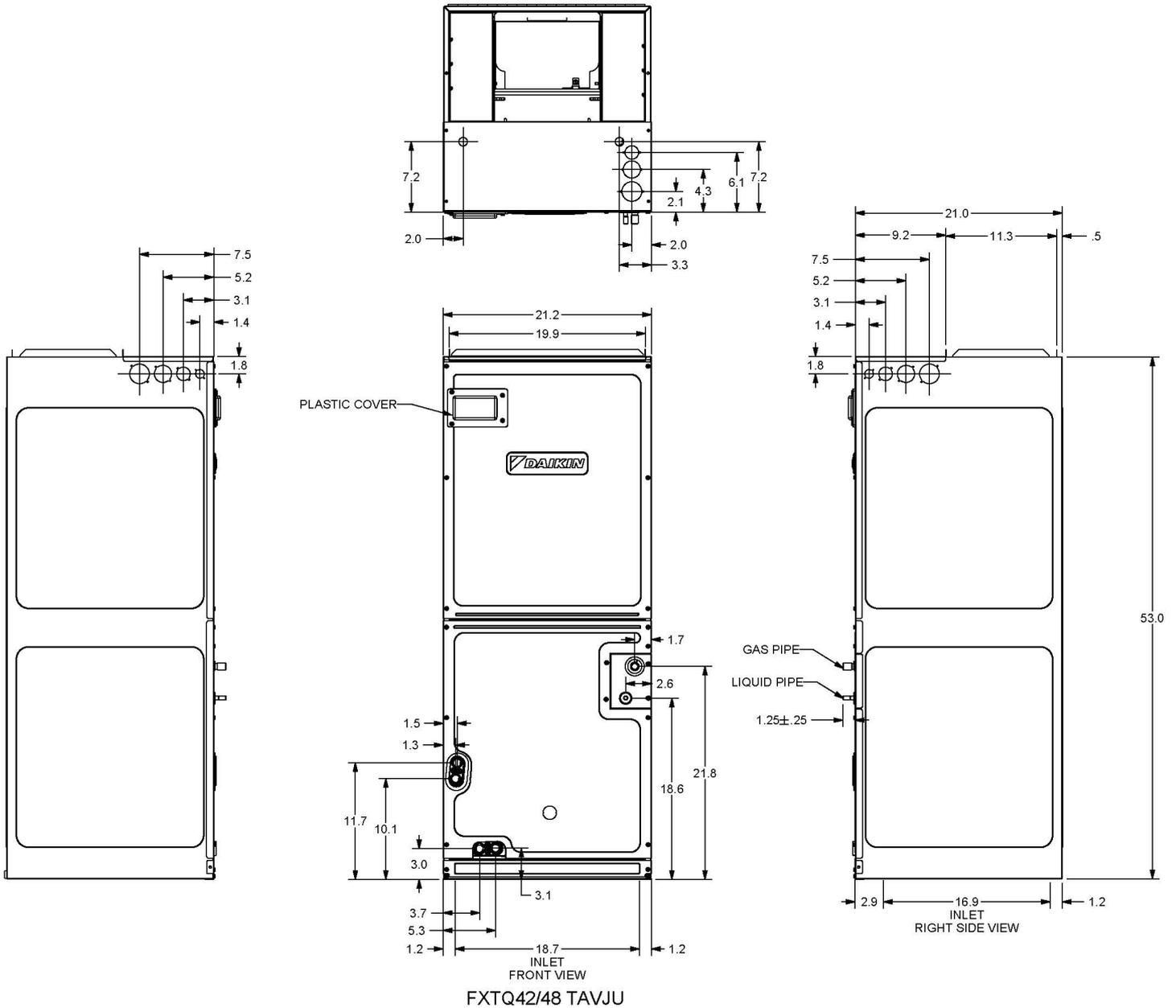
Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

Submitted to: No Engineer Name Specified

Tags: ISU-HG-C201A, ISU-HG-C201B, ISU-HG-C102A, ISU-HG-C102B, ISU-HG-C204A, ISU-HG-C204B, ISU-HG-C101A, ISU-HG-C202A, ISU-HG-C101B, ISU-HG-C101C

### DIMENSIONAL DRAWING





## Submittal Data Sheet

4.5-Ton Multi Position Air Handling Unit (w/ Disconnect) - FXTQ54TAVJUD

Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

Submitted to: No Engineer Name Specified

Tags: ISU-HH-C301A, ISU-HH-C301B

### PERFORMANCE

Indoor Unit Model No.	FXTQ54TAVJUD	Indoor Unit Name:	4.5-Ton Multi Position Air Handling Unit (w/ Disconnect)
Type:	Ducted	Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75
Rated Cooling Capacity (Btu/hr):	54,000	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Sensible Capacity (Btu/hr):	39,300	Rated Piping Length(ft):	
Cooling Input Power (kW):	0.680	Rated Height Separation (ft):	
Rated Heating Capacity (Btu/hr):	60,000		
Heating Input Power (kW):	0.68		

### INDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208/230 / 60 / 1	Airflow Rate (H/M/L) (CFM):	1800/1,530/1,260
Power Supply Connections:		Moisture Removal (Gal/hr):	
Min. Circuit Amps MCA (A):	8.6/8.6	Gas Pipe Connection (inch):	5/8
Max Overcurrent Protection (MOP) (A):	15	Liquid Pipe Connection (inch):	3/8
Dimensions (HxWxD) (in):	58 x 24.5 x 21	Condensate Connection (inch):	3/4
Net Weight (lb):	167	Sound Pressure ( ) (dBA):	
Ext. Static Pressure (Rated/Max) (inWg):	/ 0.9"	Sound Power Level (dBA):	



### Submittal Data Sheet

4.5-Ton Multi Position Air Handling Unit (w/ Disconnect) - FXTQ54TAVJUD

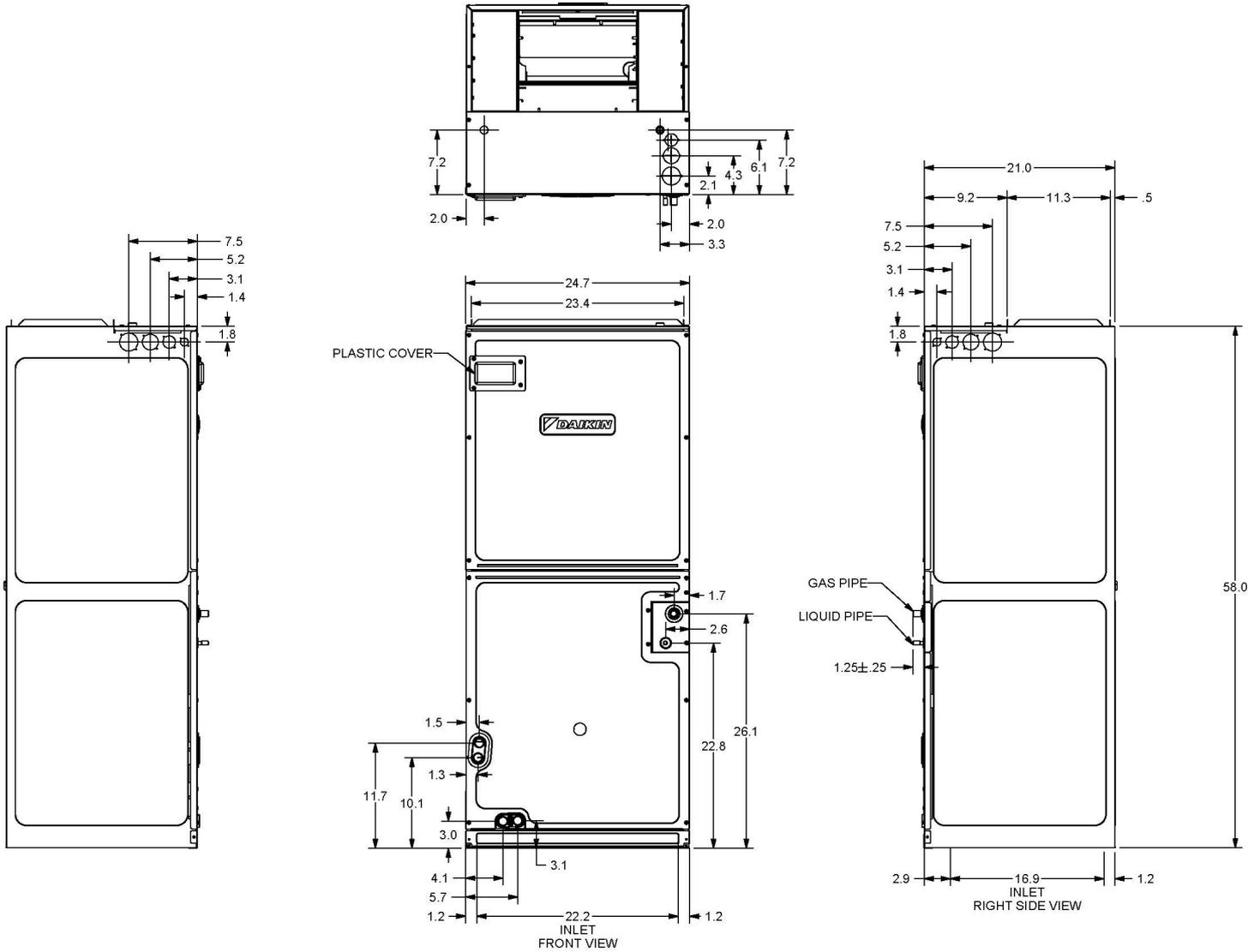
Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

Submitted to: No Engineer Name Specified

Tags: ISU-HH-C301A, ISU-HH-C301B

### DIMENSIONAL DRAWING



FXTQ54/60 TAVJU



## Submittal Data Sheet

0.5-Ton VISTA 2x2 Cassette Unit for VRV - FXZQ05TBVJU

Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

Submitted to: No Engineer Name Specified

Tags: ISU-CA-204, ISU-CA-100A, ISU-CA-100J, ISU-CA-100C, ISU-CA-100D, ISU-CA-100I, ISU-CA-100F, ISU-CA-100H, ISU-CA-233B, ISU-CA-233D, ISU-CA-233E, ISU-CA-233C, ISU-CA-233A, ISU-CA-212, ISU-CA-221B

### PERFORMANCE

Indoor Unit Model No.	FXZQ05TBVJU	Indoor Unit Name:	0.5-Ton VISTA 2x2 Cassette Unit for VRV
Type:		Rated Cooling Conditions:	Indoor (°F DB/WB): / Ambient (°F DB/WB): /
Rated Cooling Capacity (Btu/hr):	5,800	Rated Heating Conditions:	Indoor (°F DB/WB): / Ambient (°F DB/WB): /
Sensible Capacity (Btu/hr):	4,700	Rated Piping Length(ft):	
Cooling Input Power (kW):	0.043	Rated Height Separation (ft):	
Rated Heating Capacity (Btu/hr):	6,500		
Heating Input Power (kW):	0.04		

### INDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208/230 / 60 / 1	Airflow Rate (H/M/L) (CFM):	300/247/229
Power Supply Connections:		Moisture Removal (Gal/hr):	
Min. Circuit Amps MCA (A):	0.3	Gas Pipe Connection (inch):	1/2
Max Overcurrent Protection (MOP) (A):	15	Liquid Pipe Connection (inch):	1/4
Dimensions (HxWxD) (in):	10-1/4 x 22-5/8 x 22-5/8	Condensate Connection (inch):	1-1/32
Net Weight (lb):	35.3	Sound Pressure (H/M/L) (dBA):	32/30/26
Ext. Static Pressure (Rated/Max) (inWg):	N/A / N/A	Sound Power Level (dBA):	49

# Submittal Data Sheet

0.5-Ton VISTA 2x2 Cassette Unit for VRV - FXZQ05TBVJU

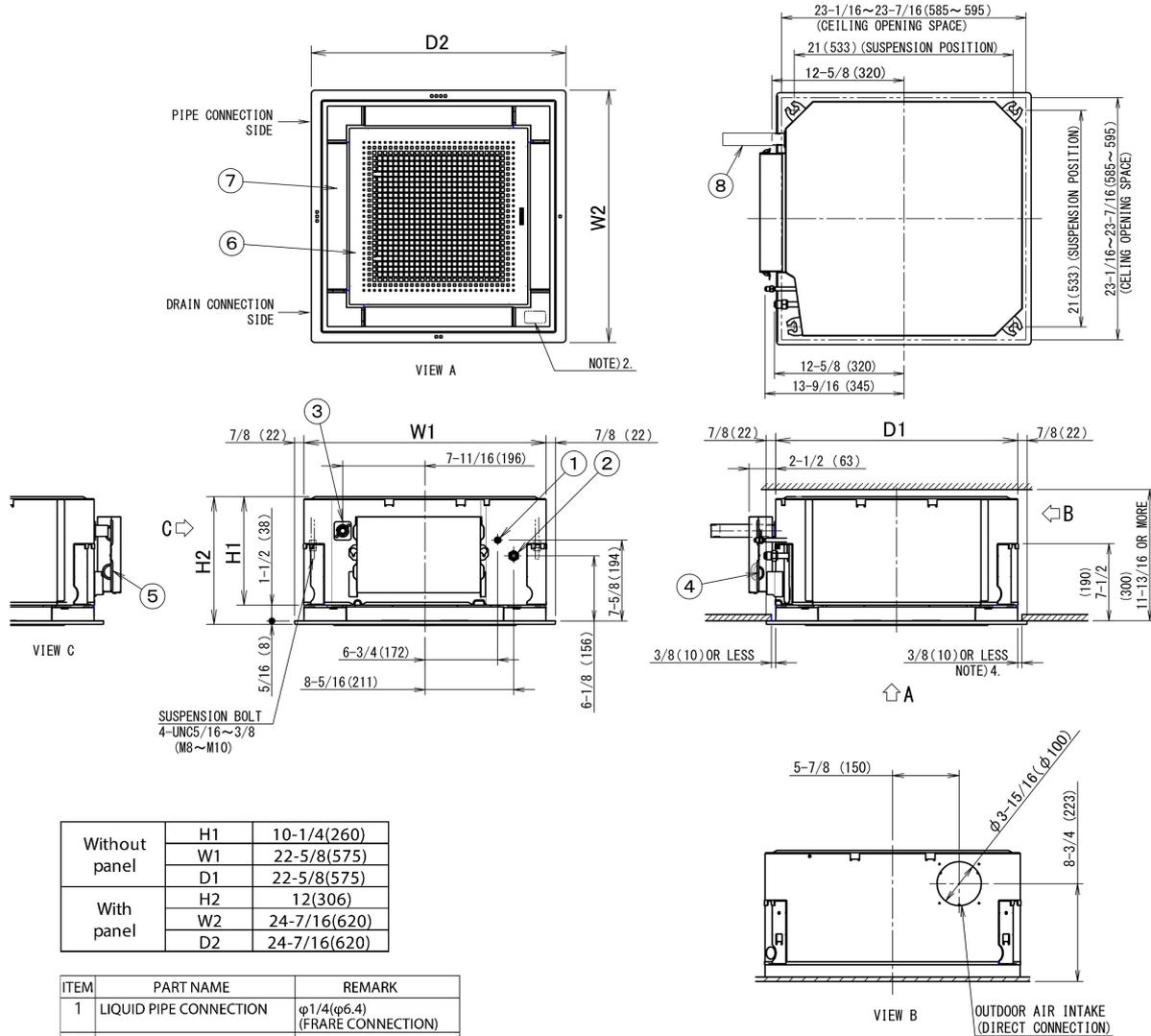
Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

Submitted to: No Engineer Name Specified

Tags: ISU-CA-204, ISU-CA-100A, ISU-CA-100J, ISU-CA-100C, ISU-CA-100D, ISU-CA-100I, ISU-CA-100F, ISU-CA-100H, ISU-CA-233B, ISU-CA-233D, ISU-CA-233E, ISU-CA-233C, ISU-CA-233A, ISU-CA-212, ISU-CA-221B

## DIMENSIONAL DRAWING



Without panel	H1	10-1/4(260)
	W1	22-5/8(575)
	D1	22-5/8(575)
With panel	H2	12(306)
	W2	24-7/16(620)
	D2	24-7/16(620)

ITEM	PART NAME	REMARK
1	LIQUID PIPE CONNECTION	$\phi 1/4(\phi 6.4)$ (FRARE CONNECTION)
2	GAS PIPE CONNECTION	$\phi 1/2(\phi 12.7)$ (FRARE CONNECTION)
3	DRAIN PIPE CONNECTION	VP20 (O.D. $\phi 1-1/32(\phi 26)$ )
4	POWER SUPPLY CONNECTION	
5	REMOTE CONTROLLER AND TRANSMISSION WIRING CONNECTION	
6	SUCTION GRILLE	
7	AIR OUTLET	
8	DRAIN HOSE(Accessory)	I.D. $\phi 1(\phi 25)$ (OUTLET)

• DECORATION PANEL  
BYFQ60C3W2W | FRESH WHITE N9.5

NOTE 1. STICKING LOCATION FOR MANUFACTURER'S LABEL  
 MANUFACTURER'S LABEL FOR INDOOR UNIT: ON THE BELL MOUTH INSIDE SUCTION GRILLE  
 MANUFACTURER'S LABEL FOR DECORATION PANEL: ON THE INNER FRAME INSIDE SUCTION GRILLE  
 2. IN CASE OF USING WIRELESS REMOTE CONTROLLER, THIS POSITION WILL BE A SIGNAL RECEIVER.  
 REFER TO THE INSTALLATION MANUAL OF WIRELESS REMOTE CONTROLLER IN DETAIL.  
 3. WHEN THE TEMPERATURE AND HUMIDITY IN THE CEILING EXCEED 86°F(30°C) AND RH 80% OR THE FRESH AIR IS INDUCED INTO THE CEILING OR THE UNIT CONTINUES 24 HOUR OPERATION, AN ADDITIONAL INSULATION (THICKNESS 3/8(10) OR MORE OF GLASSWOOL OR POLYETHYLENE FOAM) IS REQUIRED.  
 4. THOUGH THE INSTALLATION IS ACCEPTABLE UP TO MAXIMUM OF 23-7/16(595) SQUARE CEILING OPENING, KEEP THE CLEARANCE OF 3/8(10) OR LESS BETWEEN THE MAIN UNIT AND THE CEILING OPENING SO THAT THE PANEL OVERLAP ALLOWANCE CAN BE ENSURED.

Note: For additional dimensional data and clearance information, refer to Engineering Data



## Submittal Data Sheet

0.6-Ton VISTA 2x2 Cassette Unit for VRV - FXZQ07TBVJU

Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

Submitted to: No Engineer Name Specified

Tags: ISU-CU-111, ISU-CB-100B

### PERFORMANCE

Indoor Unit Model No.	FXZQ07TBVJU	Indoor Unit Name:	0.6-Ton VISTA 2x2 Cassette Unit for VRV
Type:		Rated Cooling Conditions:	Indoor (°F DB/WB): / Ambient (°F DB/WB): /
Rated Cooling Capacity (Btu/hr):	7,500	Rated Heating Conditions:	Indoor (°F DB/WB): / Ambient (°F DB/WB): /
Sensible Capacity (Btu/hr):	5,500	Rated Piping Length(ft):	
Cooling Input Power (kW):	0.043	Rated Height Separation (ft):	
Rated Heating Capacity (Btu/hr):	8,500		
Heating Input Power (kW):	0.04		

### INDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208/230 / 60 / 1	Airflow Rate (H/M/L) (CFM):	307/264/229
Power Supply Connections:		Moisture Removal (Gal/hr):	
Min. Circuit Amps MCA (A):	0.3	Gas Pipe Connection (inch):	1/2
Max Overcurrent Protection (MOP) (A):	15	Liquid Pipe Connection (inch):	1/4
Dimensions (HxWxD) (in):	10-1/4 x 22-5/8 x 22-5/8	Condensate Connection (inch):	1-1/32
Net Weight (lb):	35.3	Sound Pressure (H/M/L) (dBA):	32/30/26
Ext. Static Pressure (Rated/Max) (inWg):	N/A / N/A	Sound Power Level (dBA):	49

# Submittal Data Sheet

0.6-Ton VISTA 2x2 Cassette Unit for VRV - FXZQ07TBVJU

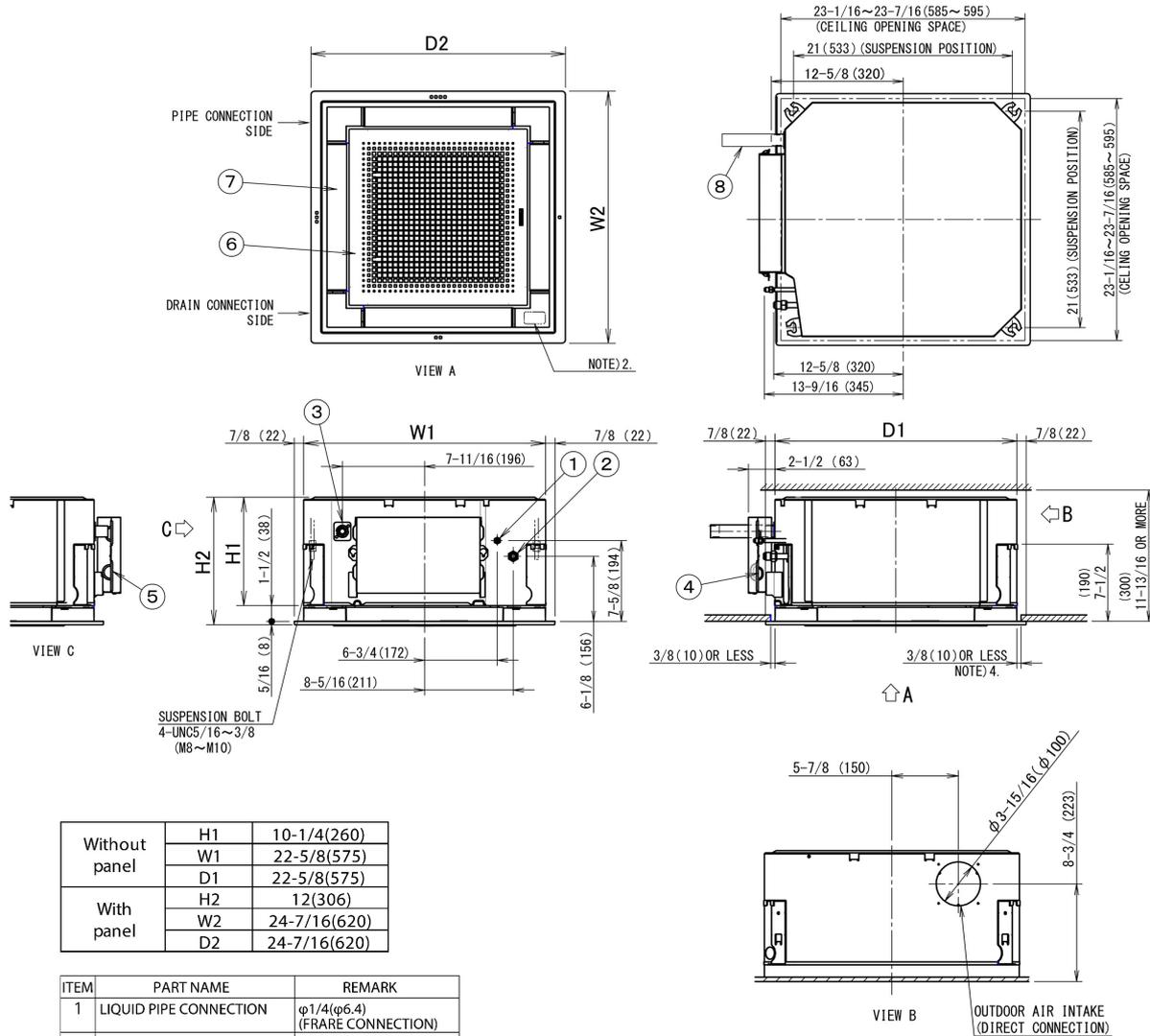
Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

Submitted to: No Engineer Name Specified

Tags: ISU-CU-111, ISU-CB-100B

## DIMENSIONAL DRAWING



Without panel	H1	10-1/4(260)
	W1	22-5/8(575)
	D1	22-5/8(575)
With panel	H2	12(306)
	W2	24-7/16(620)
	D2	24-7/16(620)

ITEM	PART NAME	REMARK
1	LIQUID PIPE CONNECTION	φ1/4(φ6.4) (FRARE CONNECTION)
2	GAS PIPE CONNECTION	φ1/2(φ12.7) (FRARE CONNECTION)
3	DRAIN PIPE CONNECTION	VP20 (O.D.φ1-1/32(φ26))
4	POWER SUPPLY CONNECTION	
5	REMOTE CONTROLLER AND TRANSMISSION WIRING CONNECTION	
6	SUCTION GRILLE	
7	AIR OUTLET	
8	DRAIN HOSE(ACCESSORY)	I.D.φ1(φ25)(OUTLET)

• DECORATION PANEL

BYF060C3W2W FRESH WHITE N9.5

NOTE) 1. STICKING LOCATION FOR MANUFACTURER'S LABEL  
 MANUFACTURER'S LABEL FOR INDOOR UNIT: ON THE BELL MOUTH INSIDE SUCTION GRILLE  
 MANUFACTURER'S LABEL FOR DECORATION PANEL: ON THE INNER FRAME INSIDE SUCTION GRILLE  
 2. IN CASE OF USING WIRELESS REMOTE CONTROLLER, THIS POSITION WILL BE A SIGNAL RECEIVER.  
 REFER TO THE INSTALLATION MANUAL OF WIRELESS REMOTE CONTROLLER IN DETAIL.  
 3. WHEN THE TEMPERATURE AND HUMIDITY IN THE CEILING EXCEED 86°F(30°C) AND RH 80% OR THE FRESH AIR IS INDUCED INTO THE CEILING OR THE UNIT CONTINUES 24 HOUR OPERATION, AN ADDITIONAL INSULATION (THICKNESS 3/8(10) OR MORE OF GLASSWOOL OR POLYETHYLENE FOAM) IS REQUIRED.  
 4. THOUGH THE INSTALLATION IS ACCEPTABLE UP TO MAXIMUM OF 23-7/16(595) SQUARE CEILING OPENING, KEEP THE CLEARANCE OF 3/8(10) OR LESS BETWEEN THE MAIN UNIT AND THE CEILING OPENING SO THAT THE PANEL OVERLAP ALLOWANCE CAN BE ENSURED.

Note: For additional dimensional data and clearance information, refer to Engineering Data



## Submittal Data Sheet

1.0-Ton VISTA 2x2 Cassette Unit for VRV - FXZQ12TBVJU

Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

Submitted to: No Engineer Name Specified

Tags: ISU-CC-101, ISU-CC-100

### PERFORMANCE

Indoor Unit Model No.	FXZQ12TBVJU	Indoor Unit Name:	1.0-Ton VISTA 2x2 Cassette Unit for VRV
Type:		Rated Cooling Conditions:	Indoor (°F DB/WB): / Ambient (°F DB/WB): /
Rated Cooling Capacity (Btu/hr):	12,000	Rated Heating Conditions:	Indoor (°F DB/WB): / Ambient (°F DB/WB): /
Sensible Capacity (Btu/hr):	7,800	Rated Piping Length(ft):	
Cooling Input Power (kW):	0.045	Rated Height Separation (ft):	
Rated Heating Capacity (Btu/hr):	13,500		
Heating Input Power (kW):	0.04		

### INDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208/230 / 60 / 1	Airflow Rate (H/M/L) (CFM):	353/300/247
Power Supply Connections:		Moisture Removal (Gal/hr):	
Min. Circuit Amps MCA (A):	0.4	Gas Pipe Connection (inch):	1/2
Max Overcurrent Protection (MOP) (A):	15	Liquid Pipe Connection (inch):	1/4
Dimensions (HxWxD) (in):	10-1/4 x 22-5/8 x 22-5/8	Condensate Connection (inch):	1-1/32
Net Weight (lb):	36.4	Sound Pressure (H/M/L) (dBA):	34/30/26
Ext. Static Pressure (Rated/Max) (inWg):	N/A / N/A	Sound Power Level (dBA):	51

### Submittal Data Sheet

1.0-Ton VISTA 2x2 Cassette Unit for VRV - FXZQ12TBVJU

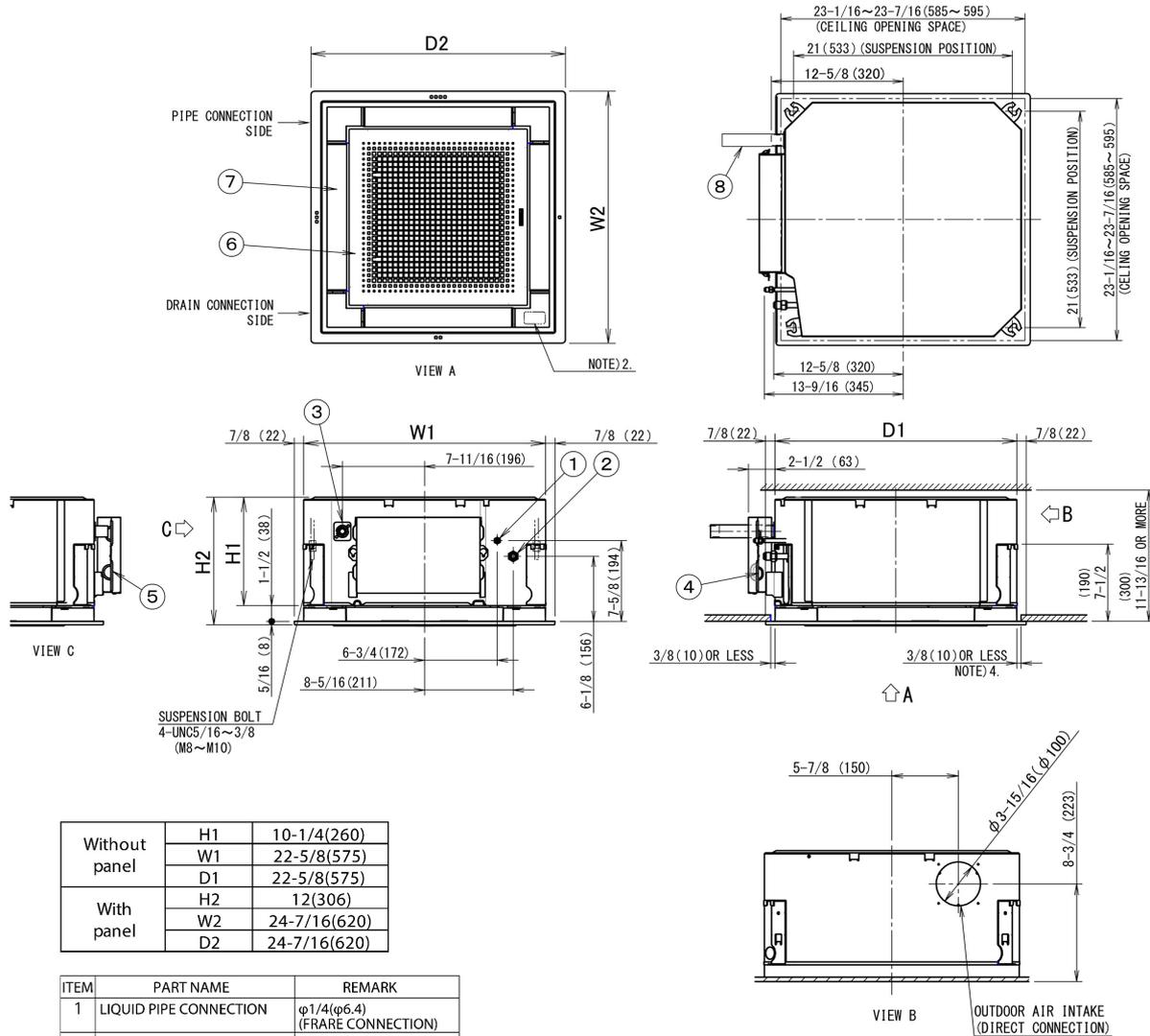
Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

Submitted to: No Engineer Name Specified

Tags: ISU-CC-101, ISU-CC-100

## DIMENSIONAL DRAWING



Without panel	H1	10-1/4(260)
	W1	22-5/8(575)
	D1	22-5/8(575)
With panel	H2	12(306)
	W2	24-7/16(620)
	D2	24-7/16(620)

ITEM	PART NAME	REMARK
1	LIQUID PIPE CONNECTION	φ1/4(φ6.4) (FRARE CONNECTION)
2	GAS PIPE CONNECTION	φ1/2(φ12.7) (FRARE CONNECTION)
3	DRAIN PIPE CONNECTION	VP20 (O.D.φ1-1/32(φ26))
4	POWER SUPPLY CONNECTION	
5	REMOTE CONTROLLER AND TRANSMISSION WIRING CONNECTION	
6	SUCTION GRILLE	
7	AIR OUTLET	
8	DRAIN HOSE(ACCESSORY)	I.D.φ1(φ25)(OUTLET)

• DECORATION PANEL

BYF060C3W2W FRESH WHITE N9.5

NOTE) 1. STICKING LOCATION FOR MANUFACTURER'S LABEL  
 MANUFACTURER'S LABEL FOR INDOOR UNIT: ON THE BELL MOUTH INSIDE SUCTION GRILLE  
 MANUFACTURER'S LABEL FOR DECORATION PANEL: ON THE INNER FRAME INSIDE SUCTION GRILLE  
 2. IN CASE OF USING WIRELESS REMOTE CONTROLLER, THIS POSITION WILL BE A SIGNAL RECEIVER.  
 REFER TO THE INSTALLATION MANUAL OF WIRELESS REMOTE CONTROLLER IN DETAIL.  
 3. WHEN THE TEMPERATURE AND HUMIDITY IN THE CEILING EXCEED 86°F(30°C) AND RH 80% OR THE FRESH AIR IS INDUCED INTO THE CEILING OR THE UNIT CONTINUES 24 HOUR OPERATION, AN ADDITIONAL INSULATION (THICKNESS 3/8(10) OR MORE OF GLASSWOOL OR POLYETHYLENE FOAM) IS REQUIRED.  
 4. THOUGH THE INSTALLATION IS ACCEPTABLE UP TO MAXIMUM OF 23-7/16(595) SQUARE CEILING OPENING, KEEP THE CLEARANCE OF 3/8(10) OR LESS BETWEEN THE MAIN UNIT AND THE CEILING OPENING SO THAT THE PANEL OVERLAP ALLOWANCE CAN BE ENSURED.

Note: For additional dimensional data and clearance information, refer to Engineering Data



**Submittal Data Sheet**  
 2.0-Ton Round Flow Sensing Cassette  
 FXFQ24TVJU

**PERFORMANCE**

Indoor Unit Model No.	FXFQ24TVJU	Indoor Unit Name:	2.0-Ton Round Flow Sensing Cassette
Type:	Cassette	Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75
Rated Cooling Capacity (Btu/hr):	23,000	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Sensible Capacity (Btu/hr):	20,000	Rated Piping Length(ft):	
Cooling Input Power (kW):	0.080	Rated Height Separation (ft):	
Rated Heating Capacity (Btu/hr):	27,000		
Heating Input Power (kW):	0.08		

**INDOOR UNIT DETAILS**

Power Supply (V/Hz/Ph):	208-230 / 60 / 1	Airflow Rate (HH/H/L) (CFM):	777/618/477
Power Supply Connections:	L1, L2, Ground	Moisture Removal (Gal/hr):	
Min. Circuit Amps MCA (A):	0.7	Gas Pipe Connection (inch):	5/8
Max Overcurrent Protection (MOP) (A):	15	Liquid Pipe Connection (inch):	3/8
Dimensions (HxWxD) (in):	9-11/16 x 33-1/16 x 33-1/16	Condensate Connection (inch):	1-1/4
Net Weight (lb):	51	Sound Pressure (H/L) (dBA):	32/28
Ext. Static Pressure (Rated/Max) (inWg):	/	Sound Power Level (dBA):	

Daikin North America LLC, 5151 San Felipe, Suite 500, Houston, TX, 77056

Daikin City Generated Submittal Data

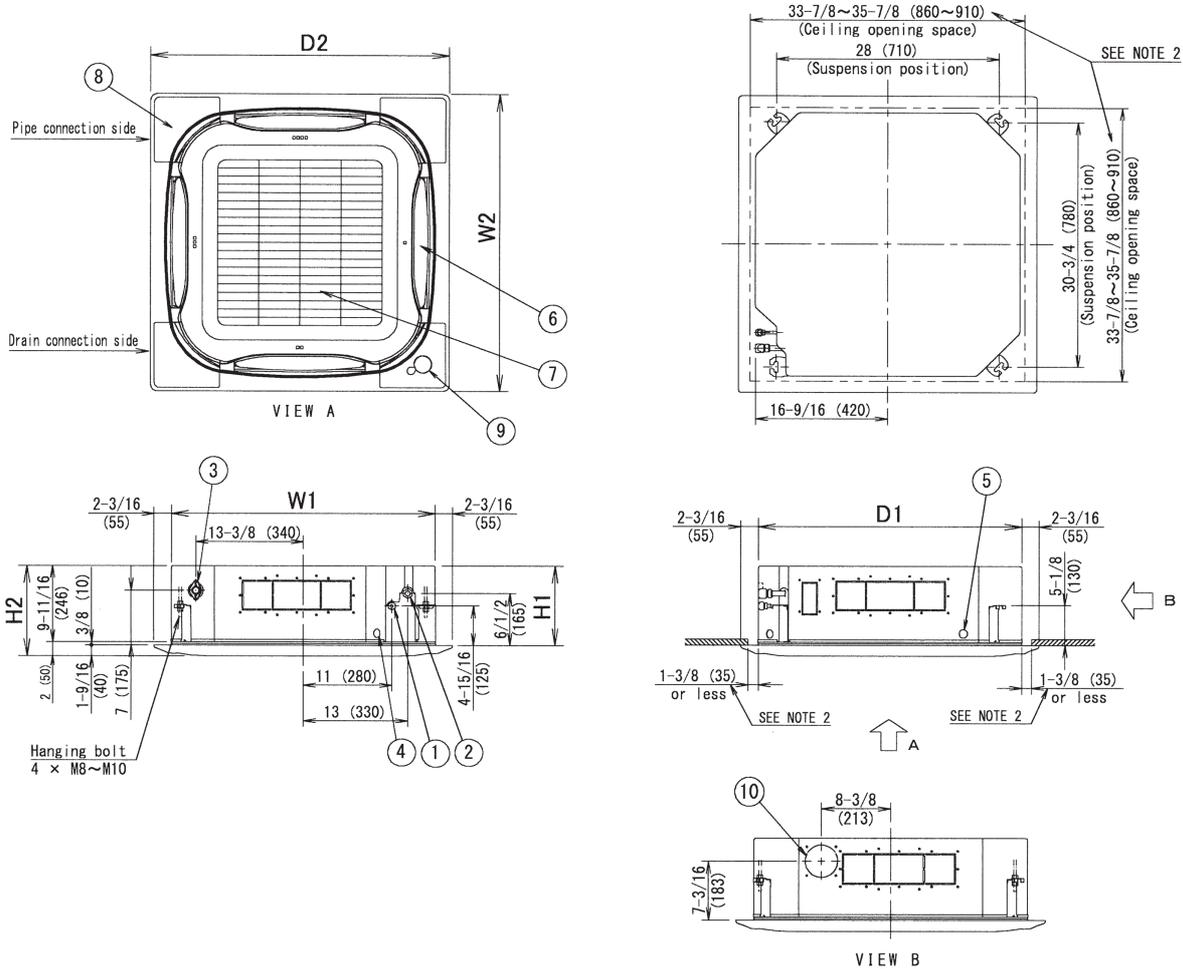
(Daikin's products are subject to continuous improvements. Daikin reserves the right to modify product design, specifications and information in this data sheet without incurring any obligations)

Submittal Date: 9/12/2018 8:54:30 AM

NEWBURGH CSD - CTE BUILDING  
 PREPARED EQUIPMENT  
 06/06/2024 Page 89 of 106

**Submittal Data Sheet**  
 2.0-Ton Round Flow Sensing Cassette  
 FXFQ24TVJU

**DIMENSIONAL DRAWING**



Unit : in. (mm)

ITEM	PART NAME	REMARK
1	Liquid pipe connection	φ3/8 (φ9.5) Flare connection
2	Gas pipe connection	φ5/8 (φ15.9) Flare connection
3	Drain pipe connection	VP25 (O. D. φ 1-1/4 (φ32), I. D. φ 1 (φ25))
4	Power supply entry hole	
5	Transmission wiring entry hole	
6	Air Outlet	
7	Air Inlet grille	
8	Corner decoration cover	
9	Sensor	Infrared presence sensor Infrared floor sensor
10	Knock out hole	φ3-15/16 (φ100)

Without panel	H1	10 (256)
	W1	33-1/16 (840)
	D1	33-1/16 (840)
With panel	H2	11-11/16 (296)
	W2	37-3/8 (950)
	D2	37-3/8 (950)

Notes) 1. Location of the nameplates:

- Unit body: on the control box cover.
- Decoration panel: on the panel frame at the motor side under the corner cover.

2. Make sure the spacing between the ceiling and the cassette is no more than 1-3/8" (35mm).  
 MAX ceiling opening: 35-7/8" (910mm).

3. When the conditions exceed 86°F (30°C) and RH 80% in the ceiling or fresh air is inducted into the ceiling an additional insulation is required (polyethylene foam, thickness 3/8" (10mm) or more).

Note: For additional dimensional data and clearance information, refer to Engineering Data

Daikin North America LLC, 5151 San Felipe, Suite 500, Houston, TX, 77056

Daikin City Generated Submittal Data

(Daikin's products are subject to continuous improvements. Daikin reserves the right to modify product design, specifications and information without incurring any obligations)

Submittal Date: 9/12/2018 8:54:30 AM

NEWBURGH CSD - CTE BUILDING  
 PREPARED FOR THE ARCHITECT  
 06/06/2024 Page 90 of 106



**Submittal Data Sheet**  
 2.5-Ton Round Flow Sensing Cassette  
 FXFQ30TVJU

**PERFORMANCE**

Indoor Unit Model No.	FXFQ30TVJU	Indoor Unit Name:	2.5-Ton Round Flow Sensing Cassette
Type:	Cassette	Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75
Rated Cooling Capacity (Btu/hr):	30,000	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Sensible Capacity (Btu/hr):	22,300	Rated Piping Length(ft):	
Cooling Input Power (kW):	0.170	Rated Height Separation (ft):	
Rated Heating Capacity (Btu/hr):	34,000		
Heating Input Power (kW):	0.16		

**INDOOR UNIT DETAILS**

Power Supply (V/Hz/Ph):	208-230 / 60 / 1	Airflow Rate (HH/H/L) (CFM):	1,112/918/671
Power Supply Connections:	L1, L2, Ground	Moisture Removal (Gal/hr):	
Min. Circuit Amps MCA (A):	1.3	Gas Pipe Connection (inch):	5/8
Max Overcurrent Protection (MOP) (A):	15	Liquid Pipe Connection (inch):	3/8
Dimensions (HxWxD) (in):	11-5/16 x 33-1/16 x 33-1/16	Condensate Connection (inch):	1-1/4
Net Weight (lb):	58	Sound Pressure (H/L) (dBA):	38/32
Ext. Static Pressure (Rated/Max) (inWg):	/	Sound Power Level (dBA):	

Daikin North America LLC, 5151 San Felipe, Suite 500, Houston, TX, 77056

Daikin City Generated Submittal Data

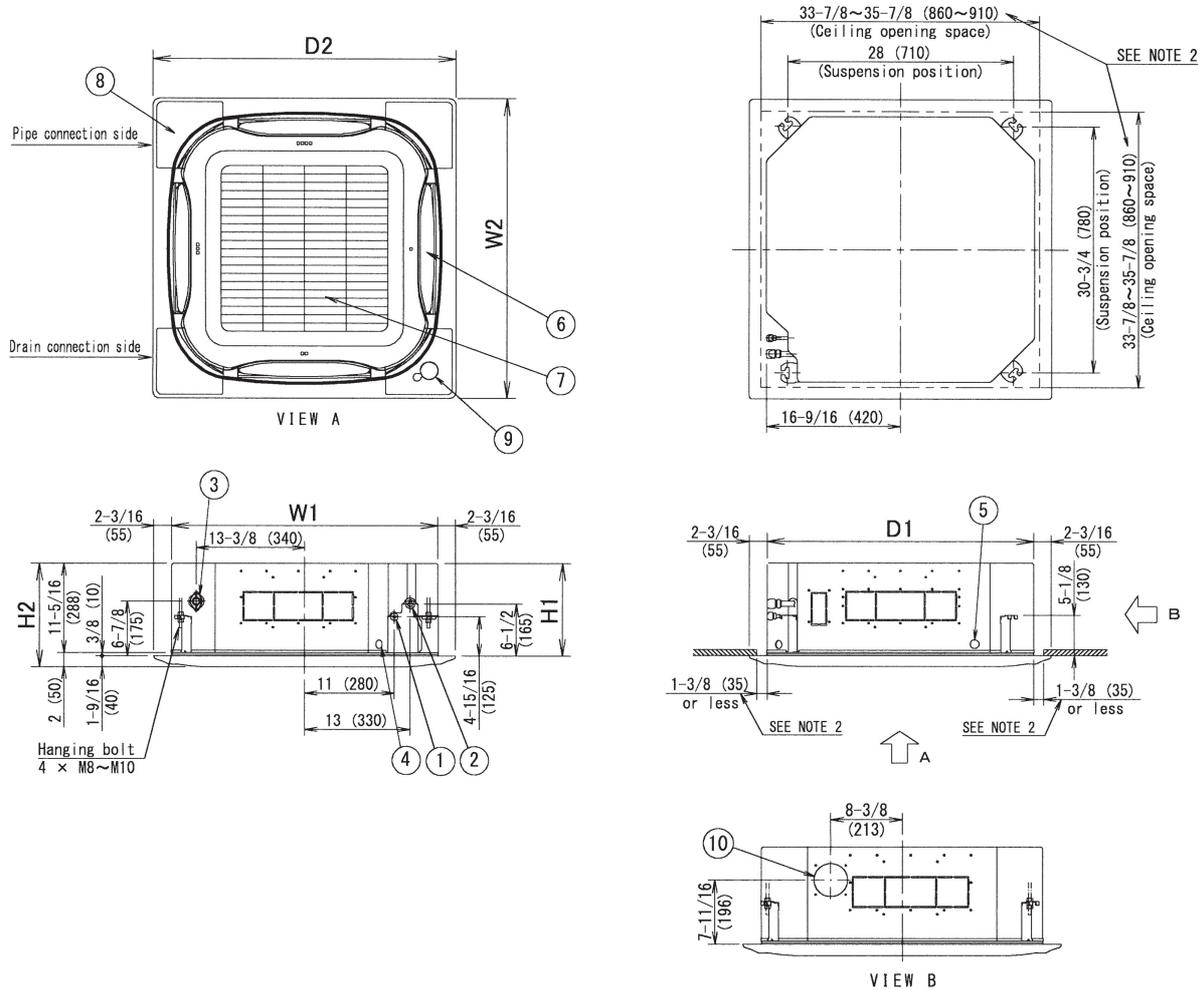
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Submittal Date: 10/1/2018 4:43:02 AM

NEWBURGH CSD - CTE BUILDING  
 PREPARED EQUIPMENT  
 06/06/2024 Page 91 of 106

**Submittal Data Sheet**  
 2.5-Ton Round Flow Sensing Cassette  
 FXFQ30TVJU

**DIMENSIONAL DRAWING**



Unit : in. (mm)

ITEM	PART NAME	REMARK
1	Liquid pipe connection	φ3/8 (φ9.5) Flare connection
2	Gas pipe connection	φ5/8 (φ15.9) Flare connection
3	Drain pipe connection	VP25 (O. D. φ1-1/4 (φ32), I. D. φ1 (φ25))
4	Power supply entry hole	
5	Transmission wiring entry hole	
6	Air Outlet	
7	Air Inlet grille	
8	Corner decoration cover	
9	Sensor	Infrared presence sensor Infrared floor sensor
10	Knock out hole	φ3-15/16 (φ100)

Without panel	H1	11-3/4 (298)
	W1	33-1/16 (840)
	D1	33-1/16 (840)
With panel	H2	13-5/16 (338)
	W2	37-3/8 (950)
	D2	37-3/8 (950)

Notes) 1. Location of the nameplates:

- Unit body: on the control box cover.
- Decoration panel: on the panel frame at the motor side under the corner cover.

2. Make sure the spacing between the ceiling and the cassette is no more than 1-3/8" (35mm).  
 MAX ceiling opening: 35-7/8" (910mm).

3. When the conditions exceed 86°F (30°C) and RH 80% in the ceiling or fresh air is inducted into the ceiling an additional insulation is required (polyethylene foam, thickness 3/8" (10mm) or more).

Note: For additional dimensional data and clearance information, refer to Engineering Data

Daikin North America LLC, 5151 San Felipe, Suite 500, Houston, TX, 77056

Daikin City Generated Submittal Data

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Submittal Date: 10/1/2018 4:43:02 AM



**Submittal Data Sheet**  
 3.0-Ton Round Flow Sensing Cassette  
 FXFQ36TVJU

**PERFORMANCE**

Indoor Unit Model No.	FXFQ36TVJU	Indoor Unit Name:	3.0-Ton Round Flow Sensing Cassette
Type:	Cassette	Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75
Rated Cooling Capacity (Btu/hr):	36,000	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Sensible Capacity (Btu/hr):	28,200	Rated Piping Length(ft):	
Cooling Input Power (kW):	0.190	Rated Height Separation (ft):	
Rated Heating Capacity (Btu/hr):	40,000		
Heating Input Power (kW):	0.18		

**INDOOR UNIT DETAILS**

Power Supply (V/Hz/Ph):	208-230 / 60 / 1	Airflow Rate (HH/H/L) (CFM):	1,165/918/671
Power Supply Connections:	L1, L2, Ground	Moisture Removal (Gal/hr):	
Min. Circuit Amps MCA (A):	1.5	Gas Pipe Connection (inch):	5/8
Max Overcurrent Protection (MOP) (A):	15	Liquid Pipe Connection (inch):	3/8
Dimensions (HxWxD) (in):	11-5/16 x 33-1/16 x 33-1/16	Condensate Connection (inch):	1-1/4
Net Weight (lb):	58	Sound Pressure (H/L) (dBA):	38/32
Ext. Static Pressure (Rated/Max) (inWg):	/	Sound Power Level (dBA):	

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Daikin City Generated Submittal Data

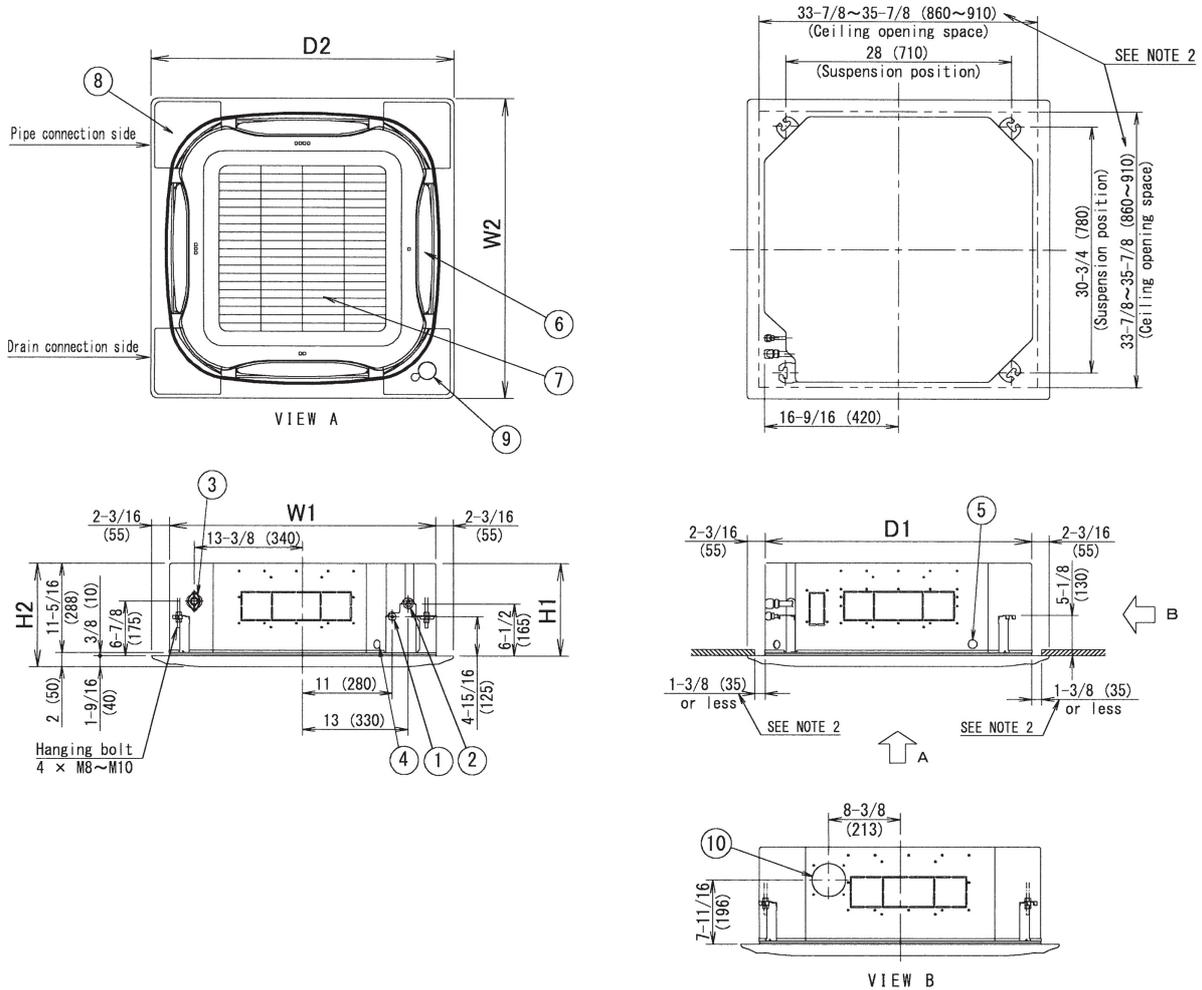
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Submittal Date: 10/1/2018 4:43:05 AM

NEWBURGH CSD - CTE BUILDING  
 PRE-INSTALLED EQUIPMENT  
 06/06/2024 Page 93 of 106

**Submittal Data Sheet**  
 3.0-Ton Round Flow Sensing Cassette  
 FXFQ36TVJU

**DIMENSIONAL DRAWING**



Unit : in. (mm)

ITEM	PART NAME	REMARK
1	Liquid pipe connection	φ3/8 (φ9.5) Flare connection
2	Gas pipe connection	φ5/8 (φ15.9) Flare connection
3	Drain pipe connection	VP25 (O. D. φ1-1/4 (φ32), I. D. φ1 (φ25))
4	Power supply entry hole	
5	Transmission wiring entry hole	
6	Air Outlet	
7	Air Inlet grille	
8	Corner decoration cover	
9	Sensor	Infrared presence sensor Infrared floor sensor
10	Knock out hole	φ3-15/16 (φ100)

Without panel	H1	11-3/4 (298)
	W1	33-1/16 (840)
	D1	33-1/16 (840)
With panel	H2	13-5/16 (338)
	W2	37-3/8 (950)
	D2	37-3/8 (950)

Notes) 1. Location of the nameplates:

- Unit body: on the control box cover.
- Decoration panel: on the panel frame at the motor side under the corner cover.

2. Make sure the spacing between the ceiling and the cassette is no more than 1-3/8" (35mm).  
 MAX ceiling opening: 35-7/8" (910mm).

3. When the conditions exceed 86°F (30°C) and RH 80% in the ceiling or fresh air is inducted into the ceiling an additional insulation is required (polyethylene foam, thickness 3/8" (10mm) or more).

Note: For additional dimensional data and clearance information, refer to Engineering Data

Daikin North America LLC, 5151 San Felipe, Suite 500, Houston, TX, 77056



## Submittal Data Sheet

4.0-Ton Round Flow Sensing Cassette

FXFQ48TVJU

### PERFORMANCE

Indoor Unit Model No.	FXFQ48TVJU	Indoor Unit Name:	4.0-Ton Round Flow Sensing Cassette
Type:	Cassette	Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75
Rated Cooling Capacity (Btu/hr):	48,000	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Sensible Capacity (Btu/hr):	35,000	Rated Piping Length(ft):	
Cooling Input Power (kW):	0.220	Rated Height Separation (ft):	
Rated Heating Capacity (Btu/hr):	54,000		
Heating Input Power (kW):	0.20		

### INDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208-230 / 60 / 1	Airflow Rate (HH/H/L) (CFM):	1,218/971/742
Power Supply Connections:	L1, L2, Ground	Moisture Removal (Gal/hr):	
Min. Circuit Amps MCA (A):	1.8	Gas Pipe Connection (inch):	5/8
Max Overcurrent Protection (MOP) (A):	15	Liquid Pipe Connection (inch):	3/8
Dimensions (HxWxD) (in):	11-5/16 x 33-1/16 x 33-1/16	Condensate Connection (inch):	1-1/4
Net Weight (lb):	58	Sound Pressure (H/L) (dBA):	40/34
Ext. Static Pressure (Rated/Max) (inWg):	/	Sound Power Level (dBA):	

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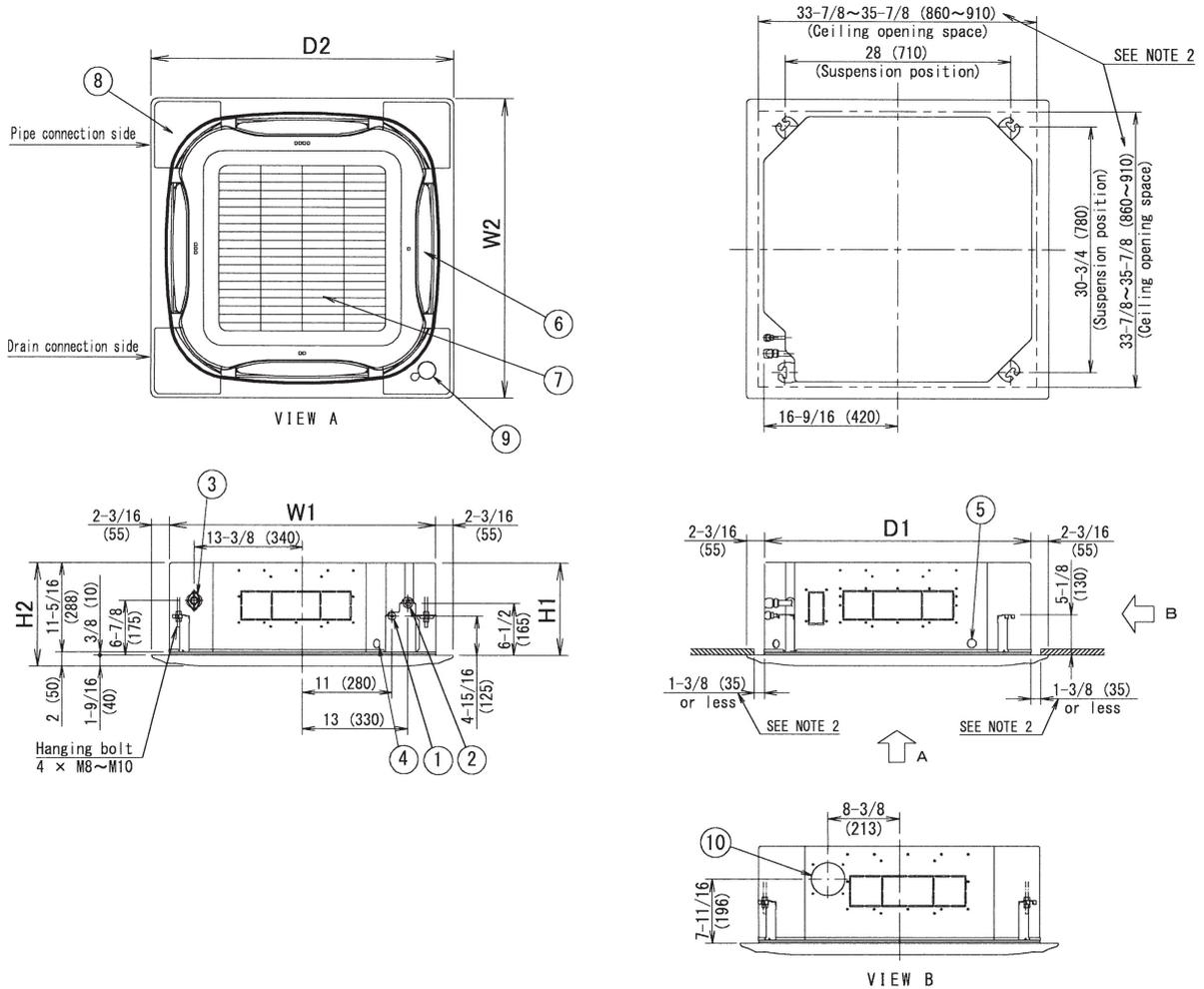
Submittal Date: 10/1/2018 4:43:07 AM

NEWBURGH CSD - CTE BUILDING  
PREPARED EQUIPMENT  
06/06/2024 Page 95 of 106

Page 2 of 3

**Submittal Data Sheet**  
**4.0-Ton Round Flow Sensing Cassette**  
**FXFQ48TVJU**

**DIMENSIONAL DRAWING**



Unit : in. (mm)

ITEM	PART NAME	REMARK
1	Liquid pipe connection	φ3/8 (φ9.5) Flare connection
2	Gas pipe connection	φ5/8 (φ15.9) Flare connection
3	Drain pipe connection	VP25 (O.D. φ1-1/4 (φ32), I.D. φ1 (φ25))
4	Power supply entry hole	
5	Transmission wiring entry hole	
6	Air Outlet	
7	Air Inlet grille	
8	Corner decoration cover	
9	Sensor	Infrared presence sensor Infrared floor sensor
10	Knock out hole	φ3-15/16 (φ100)

Without panel	H1	11-3/4 (298)
	W1	33-1/16 (840)
	D1	33-1/16 (840)
With panel	H2	13-5/16 (338)
	W2	37-3/8 (950)
	D2	37-3/8 (950)

Notes) 1. Location of the nameplates:

- Unit body: on the control box cover.
- Decoration panel: on the panel frame at the motor side under the corner cover.

2. Make sure the spacing between the ceiling and the cassette is no more than 1-3/8" (35mm).  
 MAX ceiling opening: 35-7/8" (910mm).

3. When the conditions exceed 86°F (30°C) and RH 80% in the ceiling or fresh air is inducted into the ceiling an additional insulation is required (polyethylene foam, thickness 3/8" (10mm) or more).

Note: For additional dimensional data and clearance information, refer to Engineering Data

Daikin North America LLC, 5151 San Felipe, Suite 500, Houston, TX, 77056

Daikin City Generated Submittal Data

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Submittal Date: 10/1/2018 4:43:07 AM

NEWBURGH CSD - CTE BUILDING  
 PREPARED FOR THE ARCHITECT  
 06/06/2024 Page 96 of 106



### Submittal Data Sheet

Daikin Polara 2.5-Ton Wall Mounted Cooling only System - FTX30WVJU9RK30WMVJU9

Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

Submitted to: No Engineer Name Specified

**CU-F-1 THROUGH 10  
ISU-WX-\*(QUANTITY = 9)**

## SYSTEM PERFORMANCE

Indoor Unit Model No.	FTX30WVJU9	Indoor Unit Name:	Daikin POLARA 2.5T Wall Mounted Type IDU
Outdoor Unit Model No.	RK30WMVJU9	Outdoor Unit Name:	Daikin POLARA - 2.5-Ton, Cooling Only, Ductless ODU
Rated Cooling Capacity (Btu/hr):	31,400	Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75
Sensible Capacity (Btu/hr):	31,400	Rated Piping Length(ft):	25
Max/Min Cooling Capacity (Btu/hr):	31,400 / 10,200	Rated Height Difference (ft):	0.00
Cooling Input Power (kW):			
SEER2 (Non-Ducted/Ducted):	17.50 /		
EER2 (Non-Ducted/Ducted):	9.85 /		
Rated Heating Capacity (Btu/hr):	34,800	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43

## SYSTEM DETAILS

Refrigerant Type:	R-410A	Cooling Operation Range (°F DB):	50 - 115
Holding Refrigerant Charge (lbs):	3.64	Heating Operation Range (°F WB):	5 - 64
Additional Charge (oz/ft):	0.32	Max. Pipe Length (Vertical) (ft):	66
Pre-charge Piping (Length) (ft):	33	Cooling Range w/Baffle (°F DB):	-22 - 115
Max. Pipe Length (Total) (ft):	99		
Max Height Separation (Ind to Ind ft):	0		



### Submittal Data Sheet

Daikin Polara 2.5-Ton Wall Mounted Cooling only System - FTX30WVJU9RK30WMVJU9

Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

Submitted to: No Engineer Name Specified

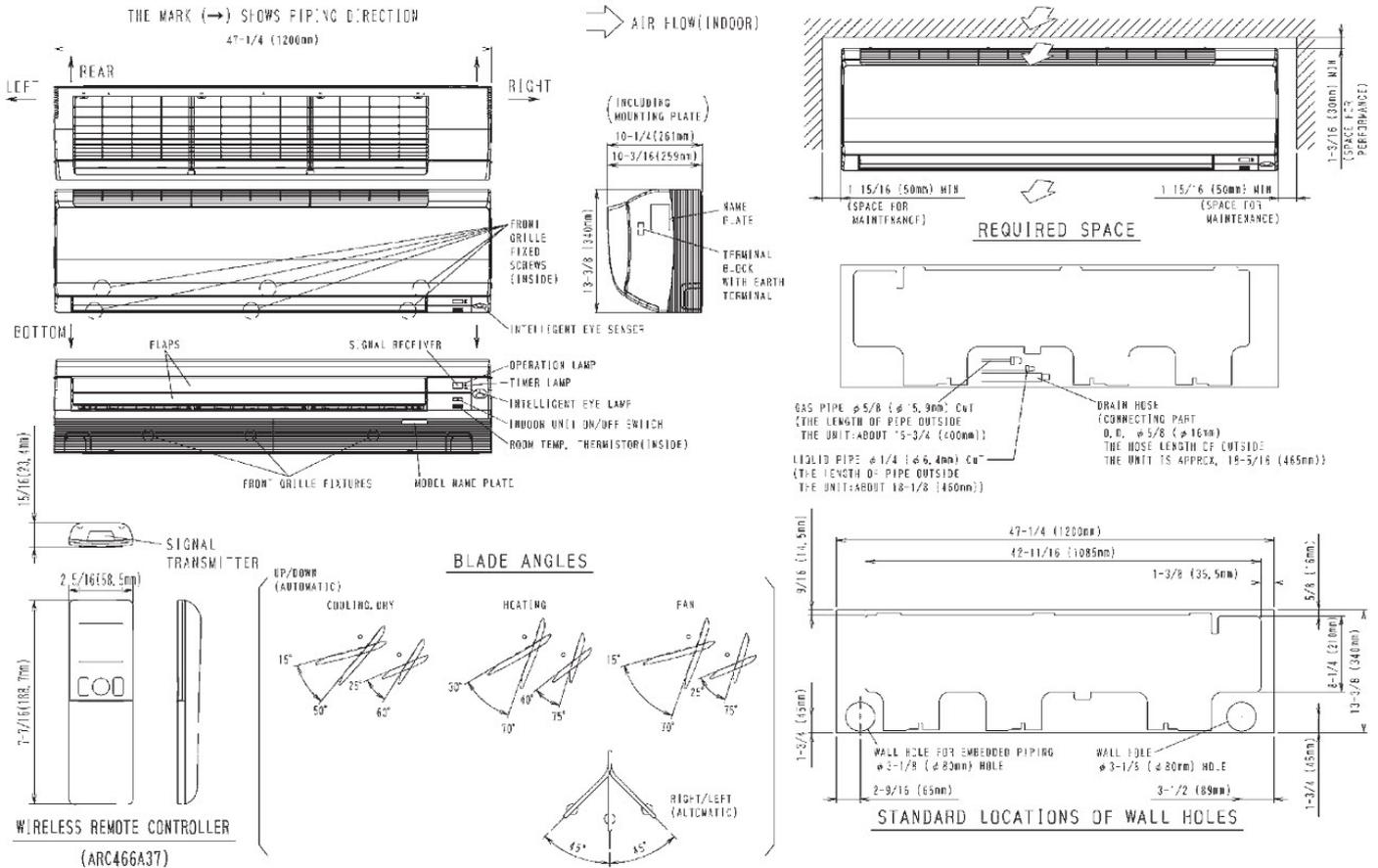
**CU-F-1 THROUGH 10**  
**ISU-WX-\***  
**(QUANTITY = 9)**

## INDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208/230 / 60 / 1	Airflow Rate (H/M/L/SL) (CFM):	890/727/572/512
Power Supply Connections:		Moisture Removal (Gal/hr):	
Min. Circuit Amps MCA (A):		Gas Pipe Connection (inch):	5/8
Max Overcurrent Protection (MOP) (A):		Liquid Pipe Connection (inch):	1/4
Dimensions (HxWxD) (in):	13-3/8 x 47-1/4 x 10-3/16	Condensate Connection (inch):	
Net Weight (lb):	38	Sound Pressure (H/M/L/SL) (dBA):	53/47/40/37
Ext. Static Pressure (Rated/Max) (inWg):	/	Sound Power Level (dBA):	

## DIMENSIONAL DRAWING - INDOOR UNIT

### FTX30/36WVJU9





## Submittal Data Sheet

Daikin Polara 2.5-Ton Wall Mounted Cooling only System - FTX30WVJU9RK30WMVJU9

Project: Newburgh ECSD CTE

Submitted by: David Shumpert of THERMAL ENVIRONMENT SALES INC on 6/6/2024

Submitted to: No Engineer Name Specified

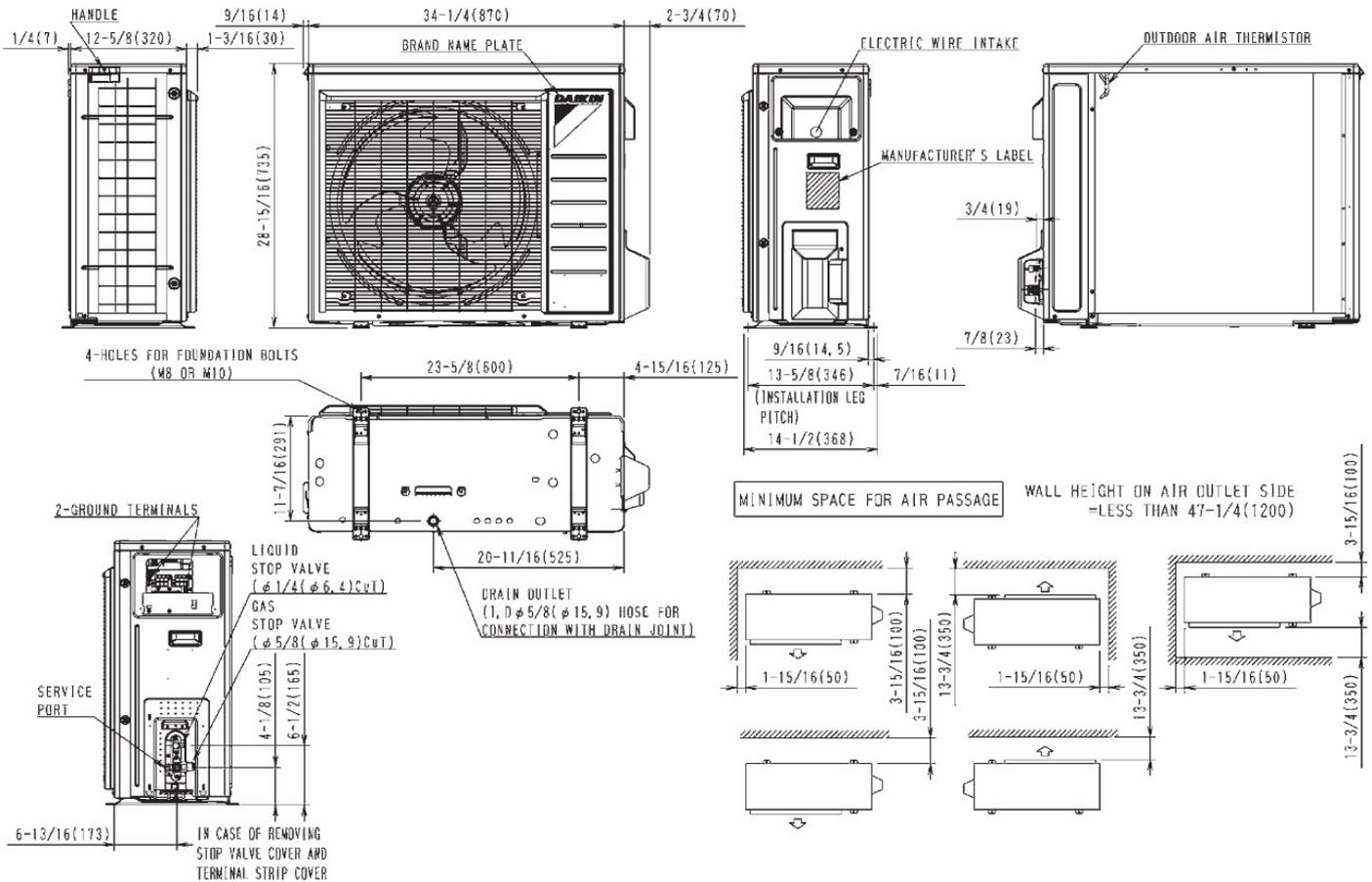
**CU-F-1 THROUGH 10**  
**ISU-WX-\***  
**(QUANTITY = 9)**

### OUTDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208/230 / 60 / 1	Compressor Stage:	Inverter
Power Supply Connections:		Capacity Control Range (%):	-
Min. Circuit Amps MCA (A):	16.6	Airflow Rate (H) (CFM):	2528
Max Overcurrent Protection (MOP) (A):	20	Gas Pipe Connection (inch):	5/8
Max Starting Current MSC(A):		Liquid Pipe Connection (inch):	1/4
Rated Load Amps RLA(A):	16.3	Sound Pressure (H) (dBA):	56
Dimensions (HxWxD) (in):	28-15/16 x 34-1/4 x 12-5/8	Sound Power Level (dBA):	
Net Weight (lb):	132		

## DIMENSIONAL DRAWING - OUTDOOR UNIT

### RK30/36WMVJU9, RX30/36WMVJU9





## SUBMITTAL SCHEDULE & GENERAL PERFORMANCE DATA

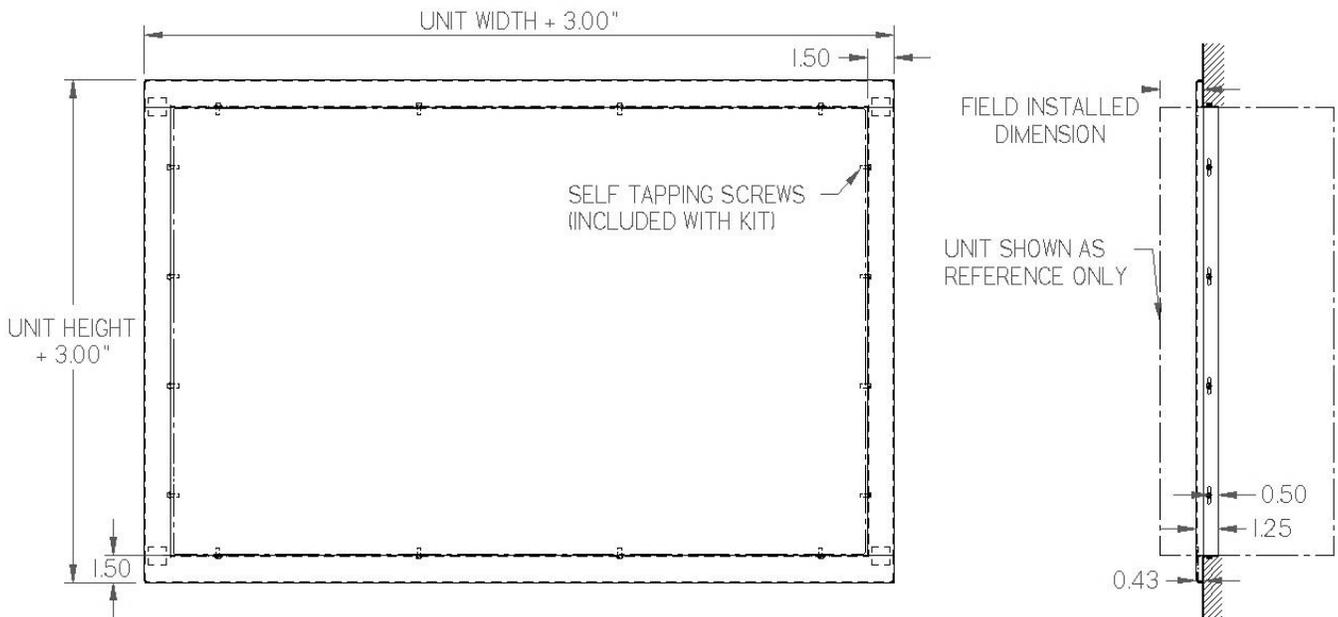
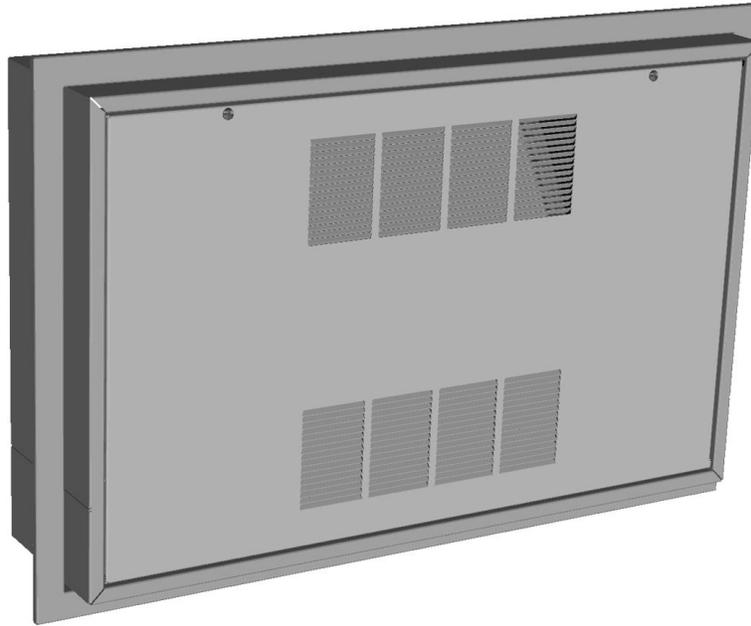
### Steam/Hot Water Cabinet Unit Heaters

Job Name Newburgh CSD - CTE  
Location  
Submitted by David Shupert

Date  
Engineer  
Architect  
Contractor

	Unit Tag		
	CHU-A	CHU-B	CHU-C
<b>Model Configuration</b>			
Model Number	WCC00358ALLL110E00	WCC00850ALLL210E00	WCC00858ALLL210E00
Quantity of Units	1	1	1
Mounting Type	Recessed Ceiling	Ceiling	Recessed Ceiling
Air Flow Direction	58 Front In Out	50 End In Out	58 Front In Out
Coil Rows	1	2	2
<b>Entering Conditions</b>			
Entering Air Temp °F	65.0	65.0	65.0
Fluid Type Steam or Hot Water	Hot Water	Hot Water	Hot Water
Steam Pressure PSI	N A	N A	N A
Entering Water Temp °F	150	150	150
Water Flow Rate GPM	1.8	2.0	2.0
Glycol Brand Type	0	0	0
<b>High Fan Speed Performance</b>			
Btu Hr Output	12 577	35 196	35 196
CFM	327	827	827
Final Air Temp °F	100	104	104
Condensate lb/hr	N A	N A	N A
Water Temp Drop °F	15.0	36.7	36.7
Water Pressure Drop Ft of Water	0.2	0.2	0.2
<b>Low Fan Speed Performance</b>			
Btu Hr Output	8 488	26 600	26 600
CFM	193	535	535
Final Air Temp °F	106	111	111
Condensate lb/hr			
Water Temp Drop °F	10.1	27.7	27.7
Water Pressure Drop Ft of Water	0.2	0.2	0.2
<b>Other Electrical/Mechanical Data</b>			
Supply Voltage	115 60 1	115 60 1	115 60 1
Motor Type	Standard EC	Standard EC	Standard EC
Motor Quantity	1	2	2
Motor HP	0.25	0.25	0.25
Motor Blower RPM – High Low Speed	1625 625	1625 625	1625 625
Ext. Static Pressure "W.C.	0	0	0
Blower Quantity	1	3	3
Blower Diameter Width inches	5.75 7	5.75 7	5.75 7
Unit Amps	3.7	7.4	7.4
Options Accessories Attached Pages			

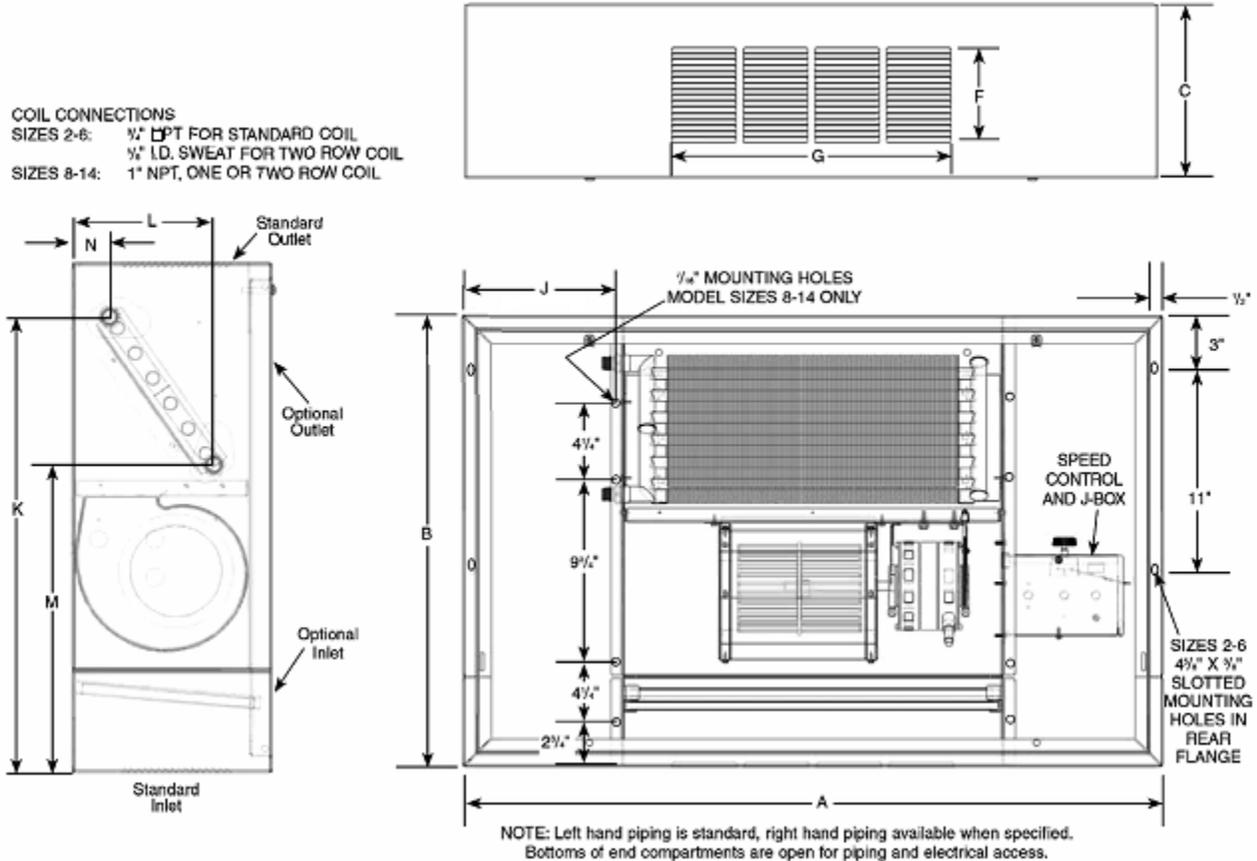
**MODEL WCC 003 Perma-Lap® Frame**



Shown above is the accessory Perma-Lap® Frame for partially or fully recessed installations.

## DIMENSIONS – UNIT

### Model WCC Dimensions



Note - Pictures shown are for illustration purpose only. Actual product may vary due to selected arrangements.

Model Size **WCC00358ALLL110E00** Tag: **CHU-A**

### Cabinet Dimensions (inches)

UNIT SIZE	A	B	C	F	G	J <sup>(1)</sup>	Approximate Weight
003	43.75	25	9.75	5.125	19.625	8.75 <sup>1</sup>	100 lbs.

<sup>1</sup> - "J" is dimension to rear frame mounting holes, not applicable for Unit Sizes 2 through 6

### Coil Connection Dimensions (inches) Filter Dimensions (inches)

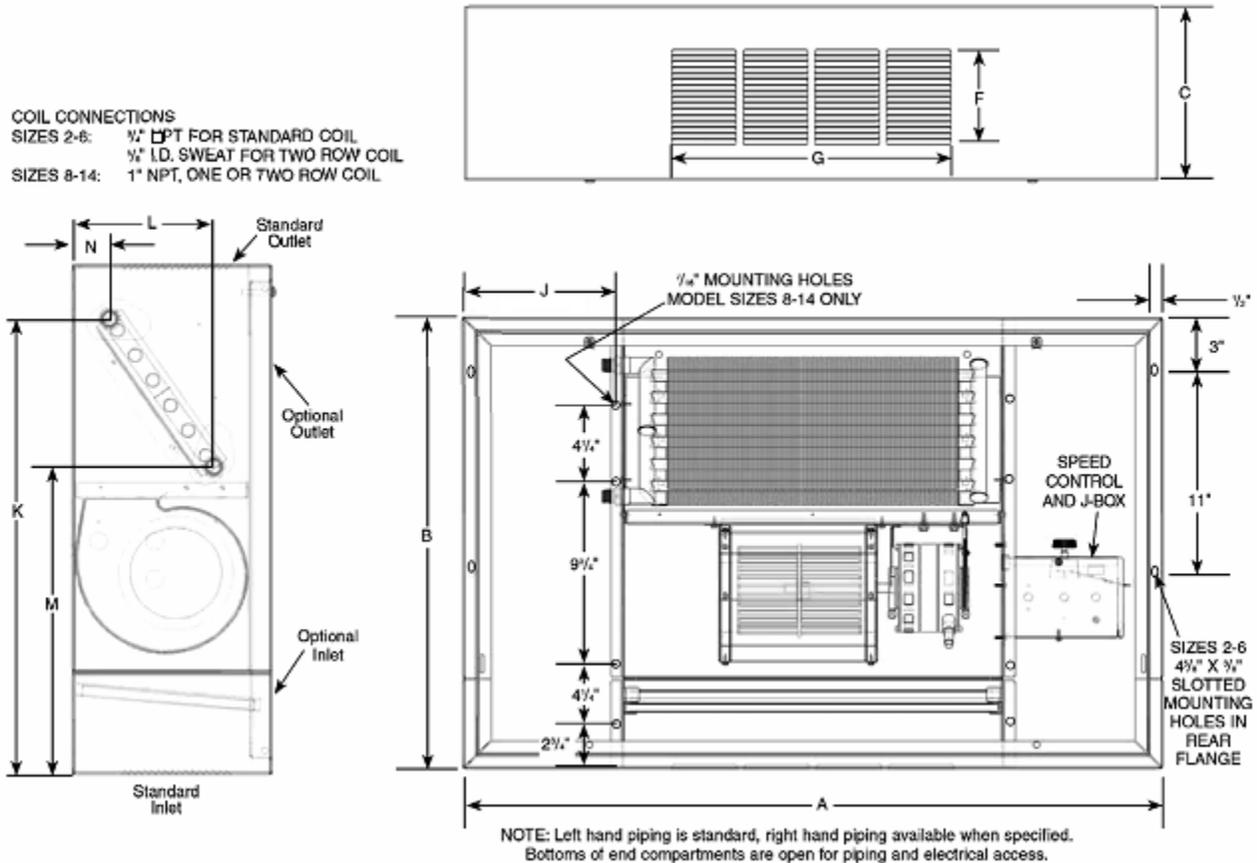
UNIT SIZE	K	L	M	N	Depth x Width x Height <sup>(2)</sup>
003	22.5	7.375	15.25	2.375	8.5 25.75 0.5

<sup>2</sup> - Permanent cleanable filters

Coil Face Area (ft <sup>2</sup> ):	1.3
Coil Connections:	7/8" ID Sweat

## DIMENSIONS – UNIT

### Model WCC Dimensions



Note - Pictures shown are for illustration purpose only. Actual product may vary due to selected arrangements.

**Model Size** WCC00850ALLL210E00 **Tag:** CHU-B

#### Cabinet Dimensions (inches)

UNIT SIZE	A	B	C	F	G	J <sup>(1)</sup>	Approximate Weight
008	71.75	28	12	5.125	47.625	9.75 <sup>1</sup>	170 lbs.

<sup>1</sup> - "J" is dimension to rear frame mounting holes, not applicable for Unit Sizes 2 through 6

#### Coil Connection Dimensions (inches) Filter Dimensions (inches)

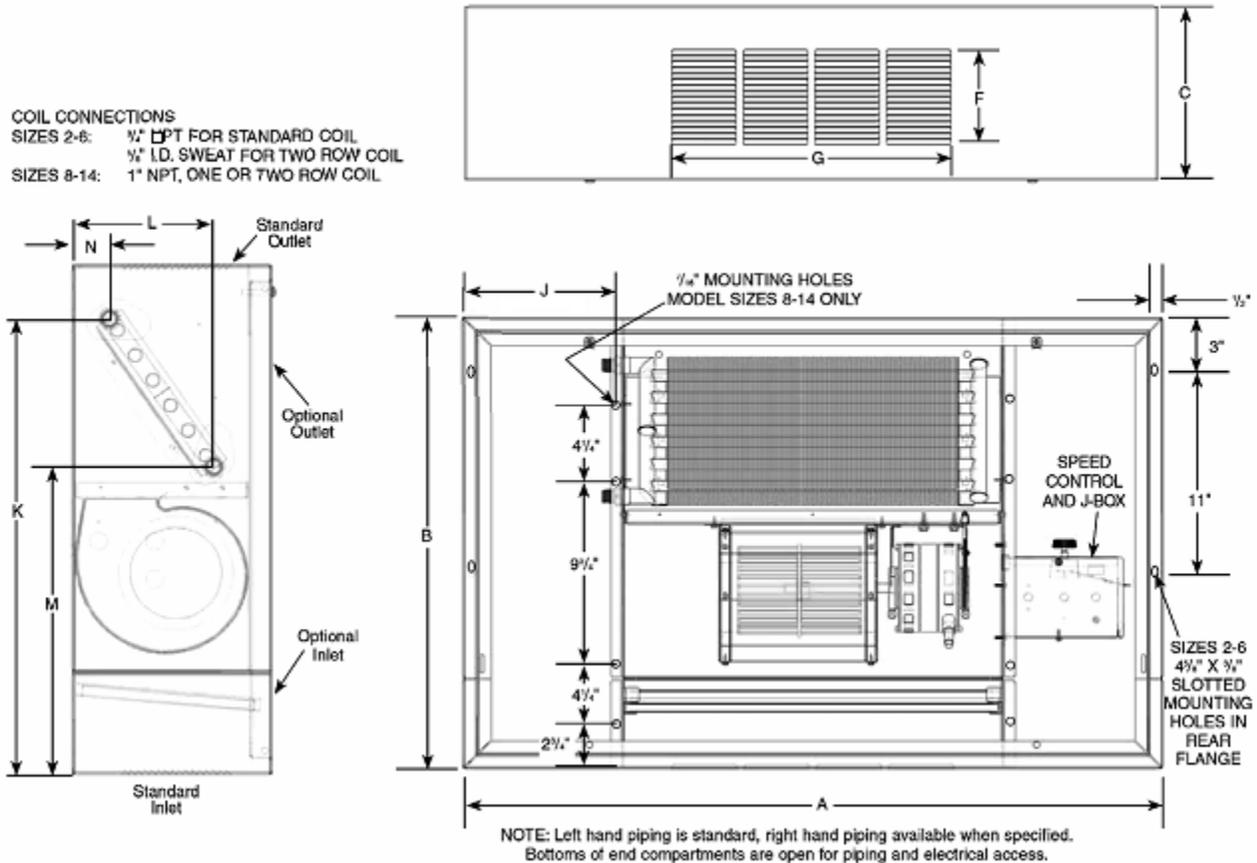
UNIT SIZE	K	L	M	N	Depth x Width x Height <sup>(2)</sup>
008	25-5/8	9.25	18	1.625	10.75 x 49.75 x 0.5

<sup>2</sup> - Permanent cleanable filters

<b>Coil Face Area (ft<sup>2</sup>):</b>	3.6
<b>Coil Connections:</b>	1-1/8" ID Sweat

## DIMENSIONS – UNIT

### Model WCC Dimensions



Note - Pictures shown are for illustration purpose only. Actual product may vary due to selected arrangements.

**Model Size** WCC00858ALLL210E00 **Tag:** CHU-C

#### Cabinet Dimensions (inches)

UNIT SIZE	A	B	C	F	G	J <sup>(1)</sup>	Approximate Weight
008	71.75	28	12	5.125	47.625	9.75 <sup>1</sup>	170 lbs.

<sup>1</sup> - "J" is dimension to rear frame mounting holes, not applicable for Unit Sizes 2 through 6

#### Coil Connection Dimensions (inches) Filter Dimensions (inches)

UNIT SIZE	K	L	M	N	Depth x Width x Height <sup>(2)</sup>
008	25-5/8	9.25	18	1.625	10.75 x 49.75 x 0.5

<sup>2</sup> - Permanent cleanable filters

<b>Coil Face Area (ft<sup>2</sup>):</b>	3.6
<b>Coil Connections:</b>	1-1/8" ID Sweat



## SUBMITTAL SCHEDULE & DATA

### Steam/Hot Water Unit Heaters

Job Name Newburgh CSD - CTE  
Location  
Submitted by David Shupert

Date 01/12/2024  
Engineer  
Architect  
Contractor

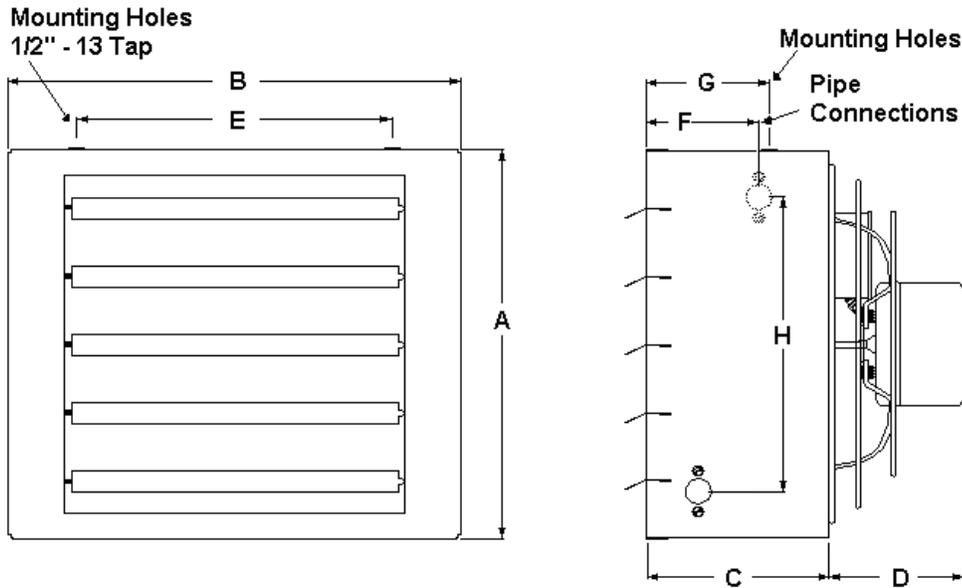
	Unit Tag	
	UH-A	UH-B
Model Number	WSH 22SB01FA	WSH 22SB01FA
Quantity of Units	1	1
Btu Hr Output	17 604	20 116
CFM	370	370
Outlet Velocity fpm	408	408
Entering Air Temp. °F	65	65
Final Air Temp. °F	109	115
Fluid Type Steam or Hot Water	Hot Water Low Temp	Hot Water Low Temp
Steam Pressure PSI	N/A	N/A
Condensate lb/hr	N/A	N/A
Entering Water Temp. °F	150	145
Glycol Brand and Type	30 Propylene	30 Propylene
Water Flow Rate GPM	1.0	1.5
Water Pressure Drop Ft of Water	1.1	2.4
Water Temp Drop °F	35.2	26.8
Supply Voltage	115/60/1	115/60/1
Motor Type	Enclosed Air Overload with Thermal Overload	Enclosed Air Overload with Thermal Overload
Motor HP	1.25	1.25
Motor RPM	1550	1550
Unit Amps <sup>1</sup>	0.53	0.53
Options/Accessories See Attached Pages		

Remarks

<sup>1</sup> The unit FLA may vary based on the actual motor shipped with the unit.

**DIMENSIONS – UNIT**

**Model WSH Dimensions**



**Model Size WSH 22**  
**Dimensions (in inches)**

A	14.5
B	20.2
C	8.4
D <sup>1</sup>	7
E	11
F	3.1 5.7
G	6.5
H	7.2
Connections Copper tube OD in.	0.5
Fan Diameter	9
Approx. Ship Wt	32 lbs.

<sup>1</sup> Dimension is for 115 motor.

**Specifications**

Core Type Serpentine Multi  
 Copper Tube Size inches 1.2  
 Copper Tube Wall Thickness inches 0.016  
 Maximum Coil Rating 150 PSI 375°F  
 Junction Box All units include an electrical junction box either integral to the motor or attached to the unit casing.