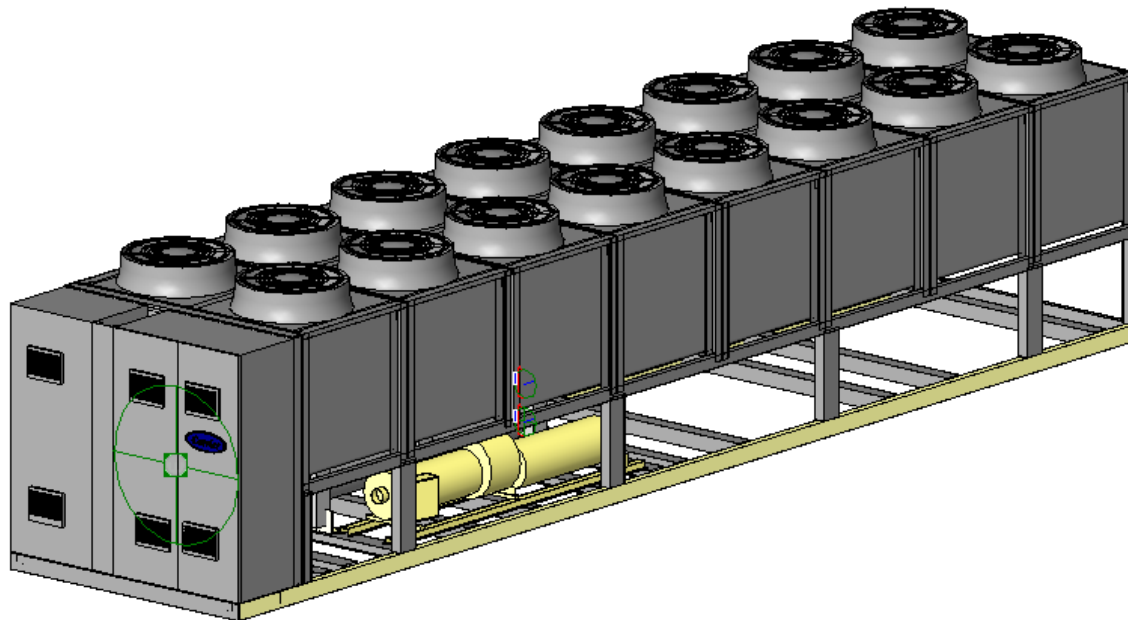


30KAV1000-OPT119 / 30KAVZE0750-OPT119 /
30KAVP1000 / 30KAVPZE0750



INDEX

Slide Number

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| 2. | Operation of Revit file | 4-21 |
| 3. | Connector Information | 22-29 |

Excel To Revit File Conversion

30KAV / 30KAVZE / 30KAVP / 30KAVPZE REVIT DATABASE

30KAV / 30KAVZE / 30KAVP / 30KAVPZE RANGE	<u>Standard Components</u>	<u>Options</u>					
	Chassis/structure/wcoil/cooler / electrical box/suction line	Grill Panel(opt23)	Coil panel(opt23a)	Comp enclosure (opt 15 or 15LS)	Total Heat Recovery (opt 50)	Partial Heat Recovery (opt 49)	Cooler hydraulic connection (opt 266)
30KAV1000-OPT119 / 30KAVZE0750- OPT119 / 30KAVP1000 / 30KAVPZE0750	x	x	x	x	x	x	x

SL NO	Revit Option	Description
1	30KAV1000-OPT119 / 30KAVZE0750-OPT119 / 30KAVP1000 / 30KAVPZE0750	Standrad components
2	Option 15/15ls	Standard Unit + Comp Enclosure
3	Option 23	Standard Unit + Coil Protection+grill
4	Option 23a	Standard Unit + Coil Protection
5	Option 50	Total Heat Recovery
6	Option 49	Partial Heat Recovery
7	Option 266	Cooler hydraulic connection
8	Opt 15L/LS + OPT 23	Comp Enclosure+ Grill/panel
9	Opt 15L/LS + OPT 23a	Comp Enclosure+ panel
10	Opt 50 + Opt 325	Total Heat Recovery + Water Pipe
11	Opt 49 + Opt 325	Partial Heat Recovery + Water Pipe
12	OPT 50 + OPT 266 + Opt267	Total Heat Recovery + Cooler hydraulic connection + BPHE hydraulic connection
13	OPT 49 + OPT 266 + Opt267	Partial Heat Recovery + Cooler hydraulic connection + BPHE hydraulic connection
14	OPT 50 + OPT325 + OPT 266 + Opt267	Total Heat Recovery + Water pipe + Cooler hydraulic connection + BPHE hydraulic connection
15	OPT 49 + OPT325 + OPT 266 + Opt267	Partial Heat Recovery + Water pipe + Cooler hydraulic connection + BPHE hydraulic connection

REVIT FAMILY TABLE

Family Types

Type name: 30KAV1000-OPT119 / 30KAVZE0750-OPT119 / 30KAVP1000 / 30KAVP2

Search param: 30KAV1000-OPT119 / 30KAVZE0750-OPT119 / 30KAVP1000 / 30KAVP2

Par: Opt 15L/LS + OPT 23
Opt 15L/LS + OPT 23a
OPT15/15LS
OPT23

Construction: OPT266
OPT49
ATEX Zone: OPT49 + OPT266 + OPT267
OPT266: OPT49 + OPT325
OPT49+OPT: OPT49 + OPT325 + OPT266 + OPT267
OPT49+OPT: OPT50
OPT49+OPT: OPT50 + OPT266 + OPT267
OPT49+OPT: OPT50 + OPT325
OPT50+OPT: OPT50 + OPT325 + OPT266 + OPT267
OPT50+OPT: Option23a
OPT50+OPT: Service Area
OPT50+OPT: Service Area + ATEX Zone - Only ZE Units

OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Service Area	☐	=
Option23a	☐	=
Option 23	☐	=
15LS/15L	☐	=

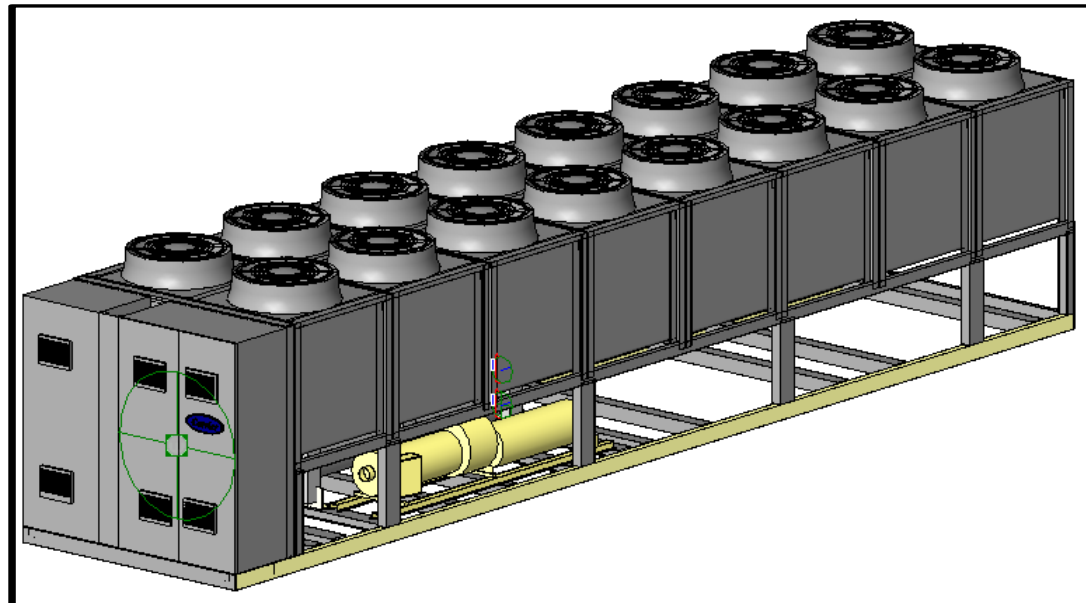
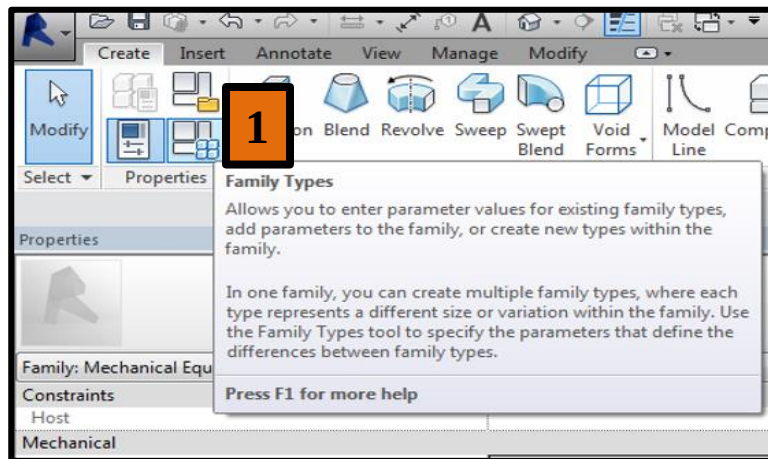
Identity Data

How do I manage family types?

OK Cancel

Operating Revit file

Step 1-After Opening Revit file. Please Click on “Family Type Console” as Shown below to view Multiple Options



Options are Configured for users.

Family Types

Type name: 30KAV1000-OPT119 / 30KAVZE0750-OPT119 / 30KAVP1000 / 30KA

Search parameters

Parameter	Value	Formula
Construction		
ATEX Zone	☐	=
OPT266	☐	=
OPT49+OPT325_OPT266	☐	=
OPT49+OPT325_OPT267	☐	=
OPT49_OPT267	☐	=
OPT50+OPT325_OPT266	☐	=
OPT50+OPT325_OPT267	☐	=
OPT50_OPT267	☐	=
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Service Area		
Option23a	☐	=
Option 23	☐	=
15LS/15L	☐	=
Identity Data		

How do I create family types?

OK Cancel

6

Standard Unit Creation

30KAV1000-OPT119 / 30KAVZE0750-OPT119 / 30KAVP1000 / 30KAVPZE0750

Family Types

Type name: 30KAV1000-OPT119 / 30KAVZE0750-OPT119 / 30KAVP1000 / 30KAVPZE0750

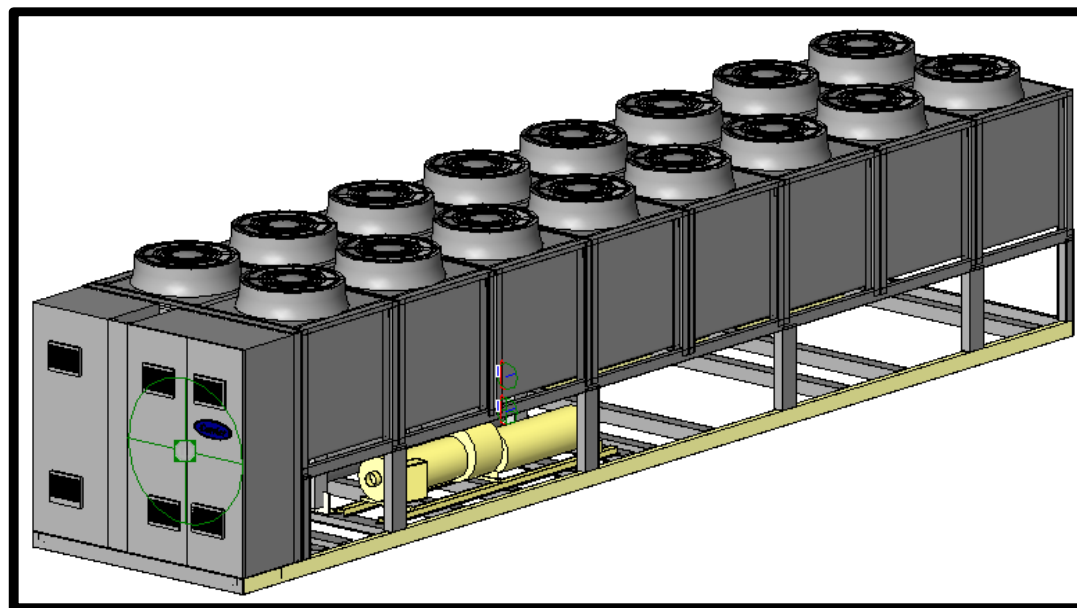
Search parameters

Parameter	Value	Formula
Construction		
ATEX Zone	☐	=
OPT266	☐	=
OPT49+OPT325_OPT266	☐	=
OPT49+OPT325_OPT267	☐	=
OPT49_OPT267	☐	=
OPT50+OPT325_OPT266	☐	=
OPT50+OPT325_OPT267	☐	=
OPT50_OPT267	☐	=
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Service Area	☐	=
Option23a	☐	=
Option 23	☐	=
15LS/15L	☐	=
Identity Data		

How do I manage family types?

OK Cancel

Note: Follow Step 1&2 as explained in previous slides, to select options



Option 15/15LS

Low Noise Enclosure
Standard unit + Enclosure

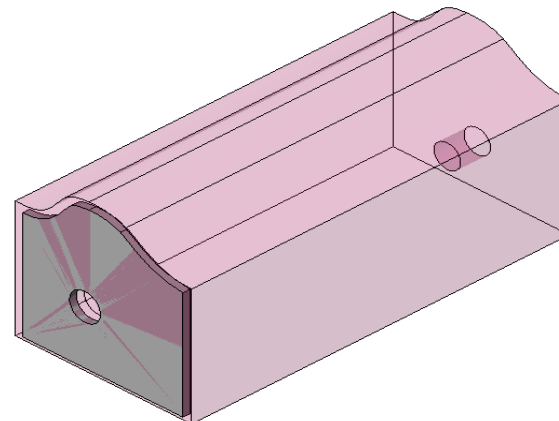
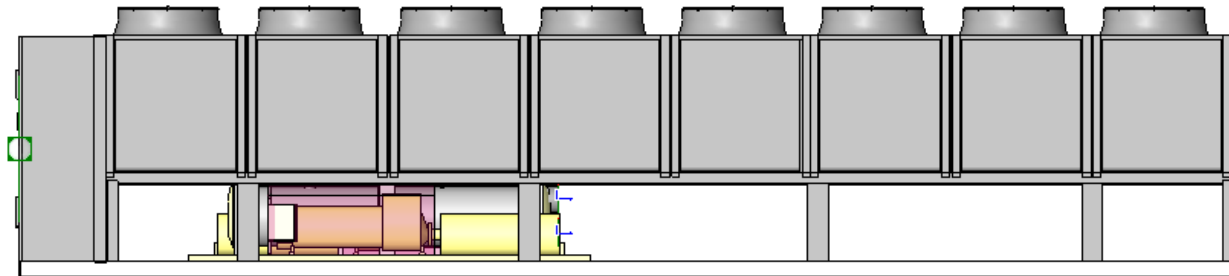
Family Types

Type name: OPT15/15LS

Search parameters

Parameter	Value
Construction	
OPT50	☐ =
OPT325 for OPT50	☐ =
OPT49	☐ =
OPT325 for OPT49	☐ =
Service Area	☐ =
Option23a	☐ =
Option 23	☐ =
15LS/15L	☒ =
Identity Data	

How do I manage family types?



Option 23

Coil panel protection Standard unit + panel+ Grill

Family Types

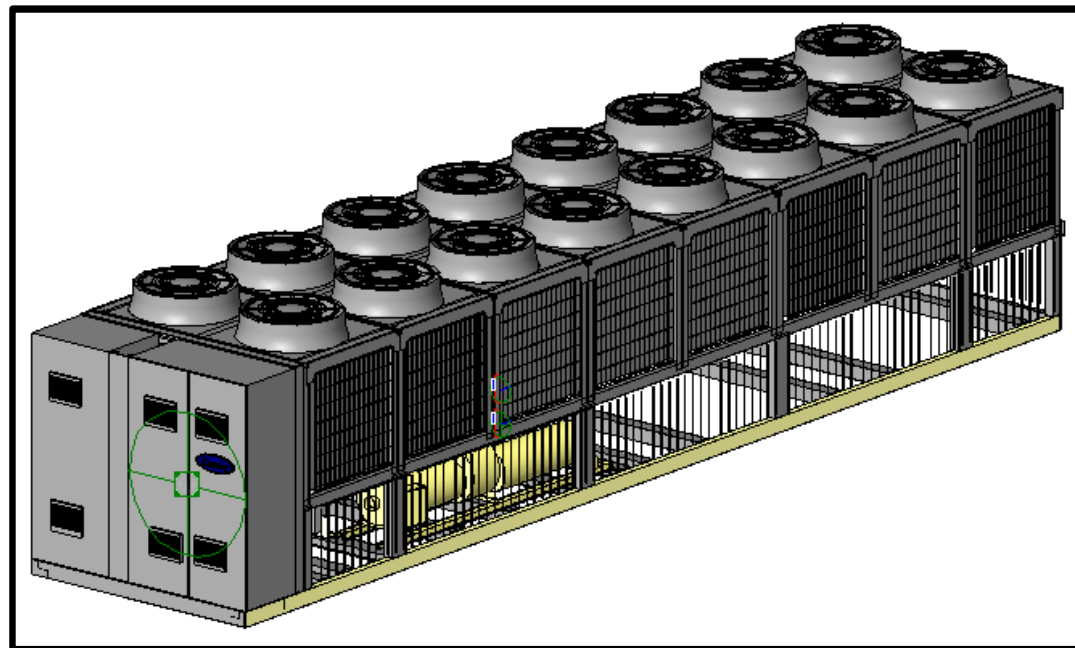
Type name:

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Service Area	☐	=
Option23a	☐	=
Option 23	☒	=
15LS/15L	☐	=
Identity Data		

[How do I manage family types?](#)



Option 23a

Coil panel protection Standard unit + Panel

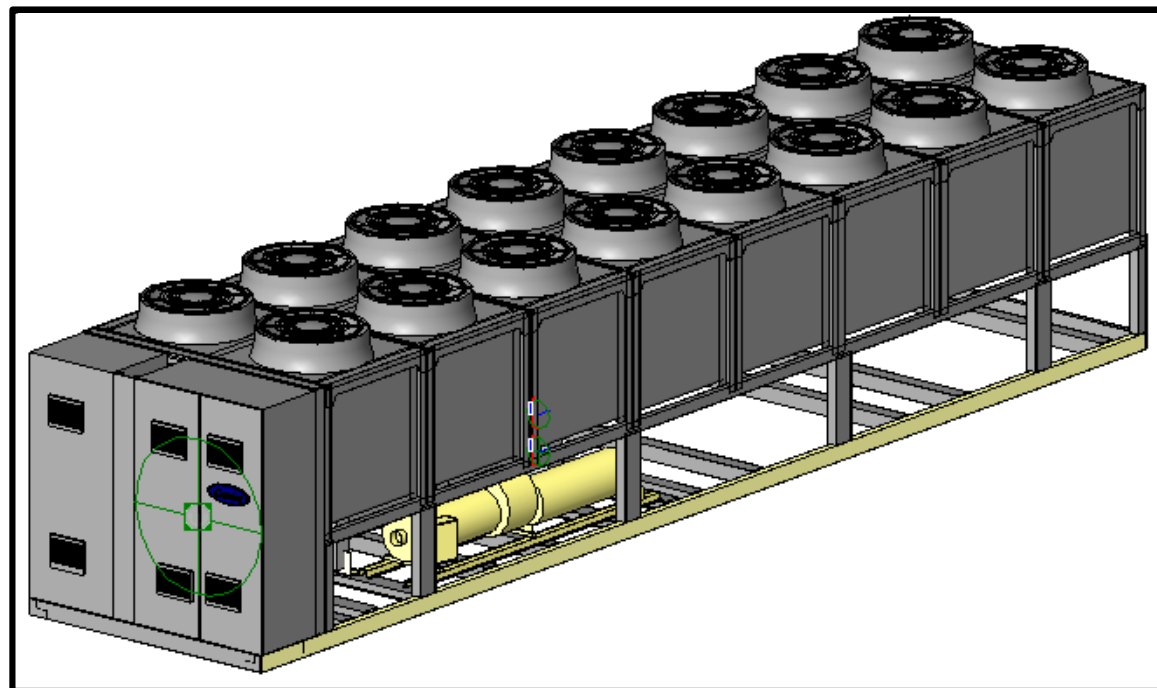
Family Types

Type name:

[Search parameters](#)

Parameter	Value	
Construction		
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Service Area	☐	=
Option23a	☒	=
Option 23	☐	=
15LS/15L	☐	=
Identity Data		

[How do I manage family types?](#)



Total Heat Recovery

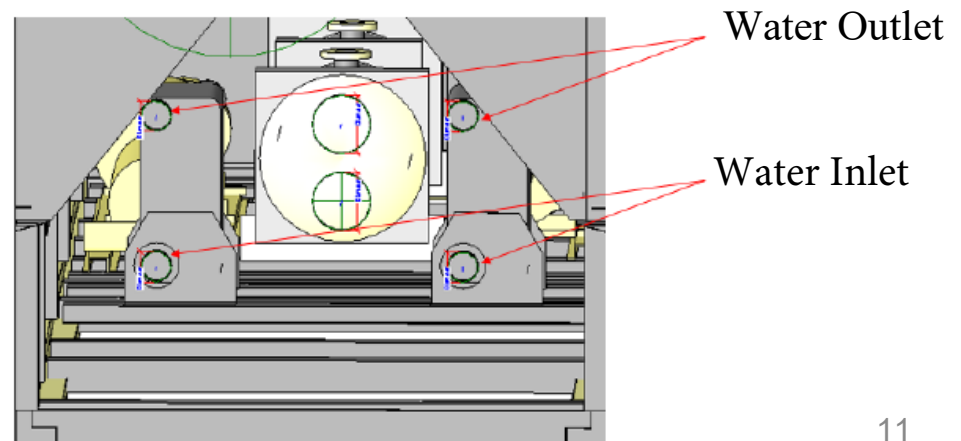
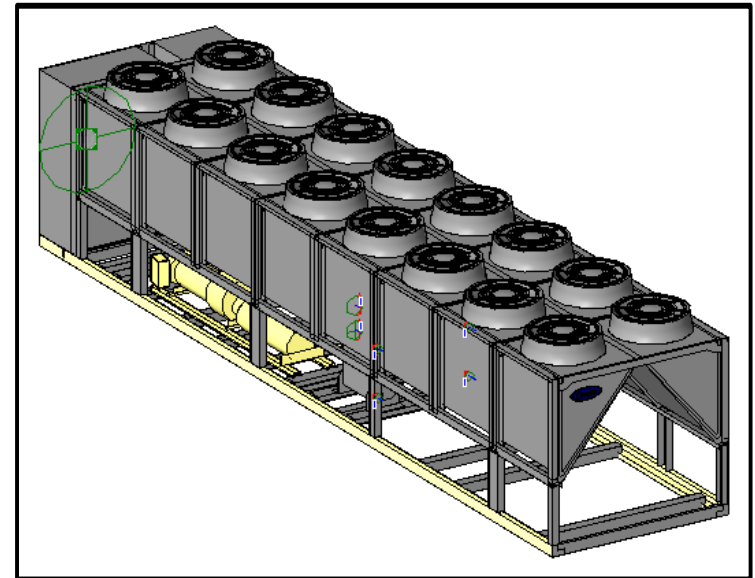
Family Types

Type name: OPT50

Search parameters

Parameter	Value
Construction	
OPT50	☒
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area	☐
Option23a	☐
Option 23	☐
15LS/15L	☐
Identity Data	

[How do I manage family types?](#) OK



Option 266

Cooler hydraulic connection

Family Types

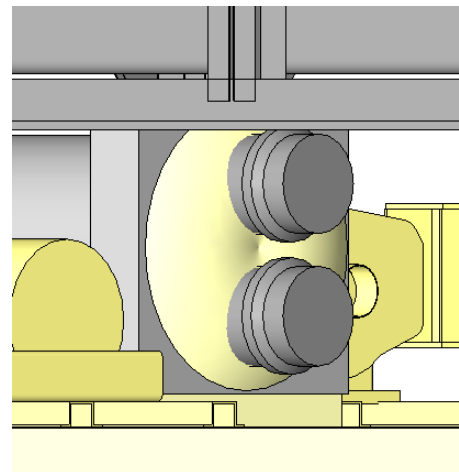
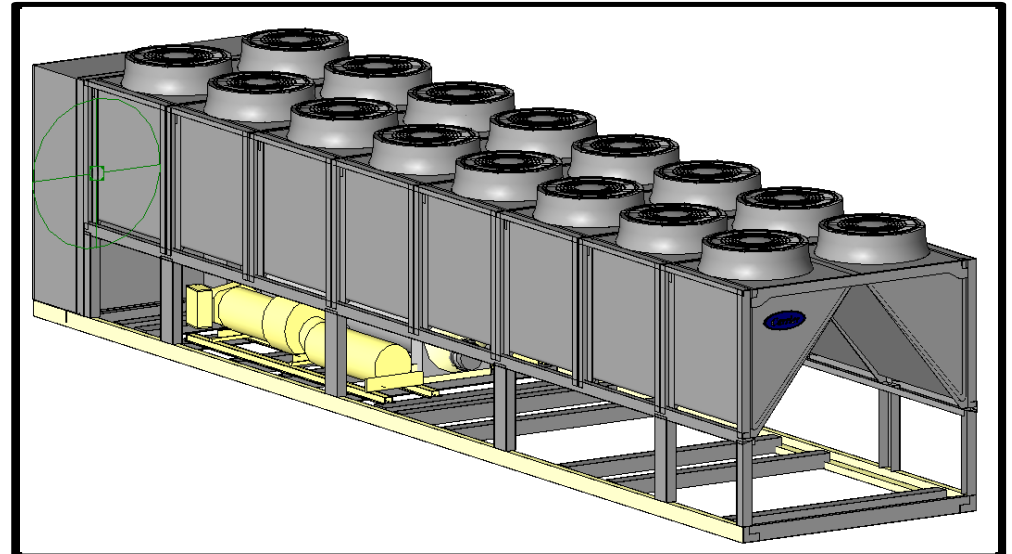
Type name: OPT266

Search parameters

Parameter	Value
Construction	
ATEX Zone	
OPT266	☒
OPT49+OPT325_OPT266	☐
OPT49+OPT325_OPT267	☐
OPT49_OPT267	☐
OPT50+OPT325_OPT266	☐
OPT50+OPT325_OPT267	☐
OPT50_OPT267	☐
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area	☐
Option23a	☐
Option 23	☐
15LS/15L	☐
Identity Data	

How do I manage family types?

OK



Service Area Option

Service Area - Standard Unit / Heat Recovery.

Family Types

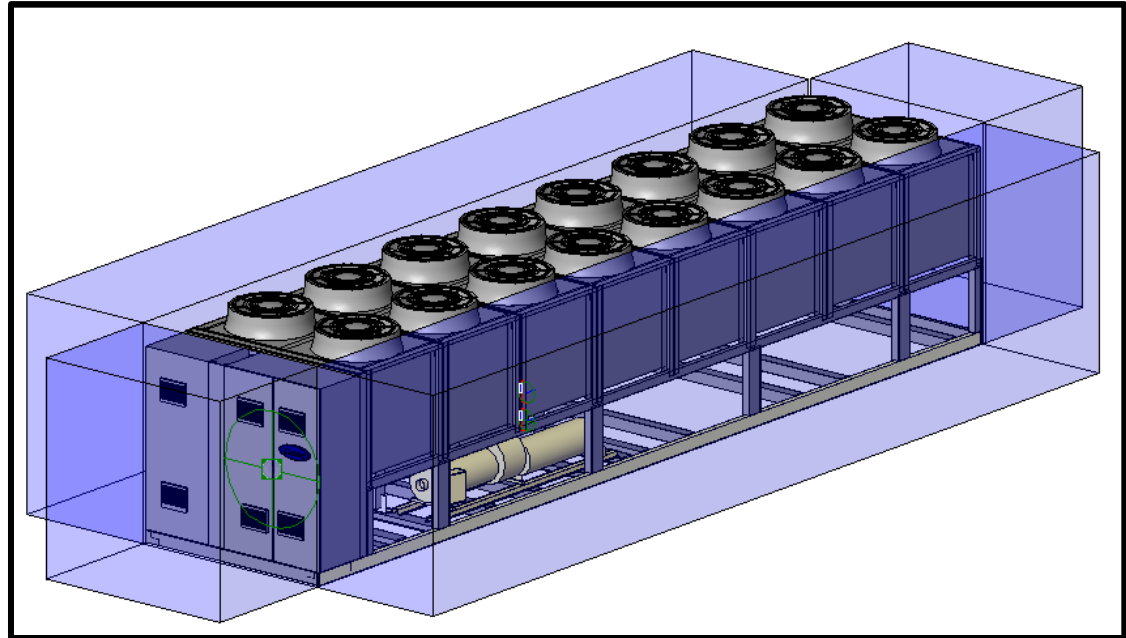
Type name: Service Area

Search parameters

Parameter	Value	
Construction		
ATEX Zone	☐	=
OPT266	☐	=
OPT49+OPT325_OPT266	☐	=
OPT49+OPT325_OPT267	☐	=
OPT49_OPT267	☐	=
OPT50+OPT325_OPT266	☐	=
OPT50+OPT325_OPT267	☐	=
OPT50_OPT267	☐	=
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Service Area	☒	=
Option23a	☐	=
Option 23	☐	=
15LS/15L	☐	=
Identity Data		

[How do I manage family types?](#) OK



Service Area & ATEX Zone - ZE Units

Service Area & ATEX Zone - Standard Unit / Heat Recovery

Family Types

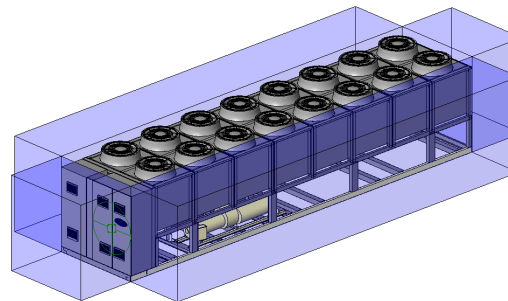
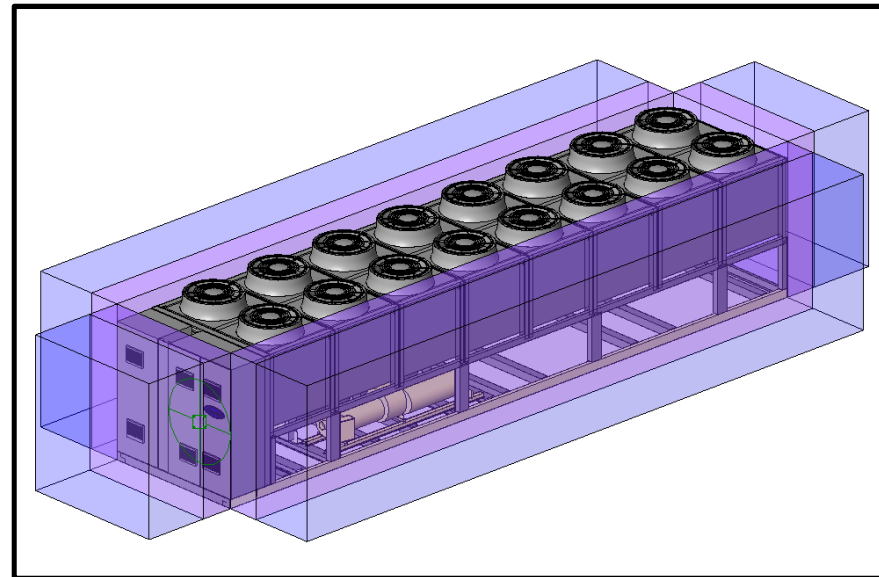
Type name: Service Area + ATEX Zone - Only ZE Units

Search parameters

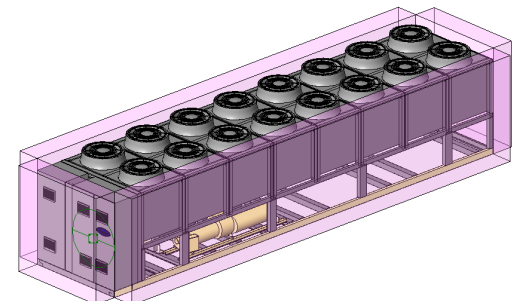
Parameter	Value
Construction	
ATEX Zone	☒
OPT266	☐
OPT49+OPT325_OPT266	☐
OPT49+OPT325_OPT267	☐
OPT49_OPT267	☐
OPT50+OPT325_OPT266	☐
OPT50+OPT325_OPT267	☐
OPT50_OPT267	☐
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area	☒
Option23a	☐
Option 23	☐
15LS/15L	☐
Identity Data	

[How do I manage family types?](#)



Service Area



ATEX Zone

Option 15/15LS+Option23

Family Types

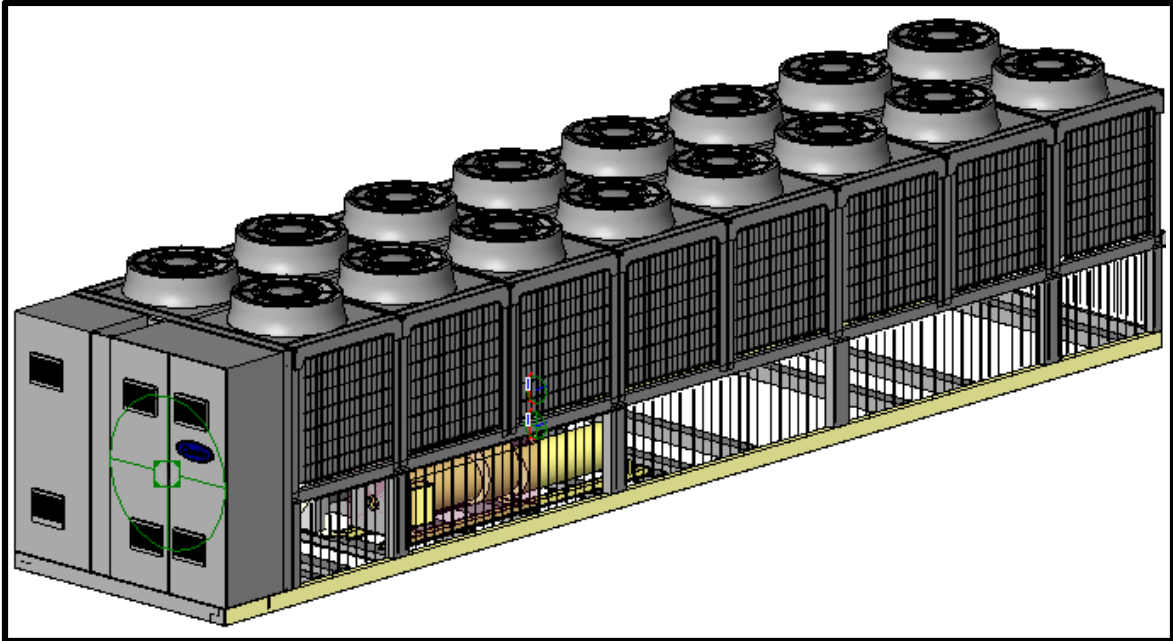
Type name: Opt 15L/LS + OPT 23

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Service Area	☐	=
Option23a	☐	=
Option 23	☒	=
15LS/15L	☒	=
Identity Data		

[How do I manage family types?](#)

OK



Option 15/15LS+Option23a

Family Types

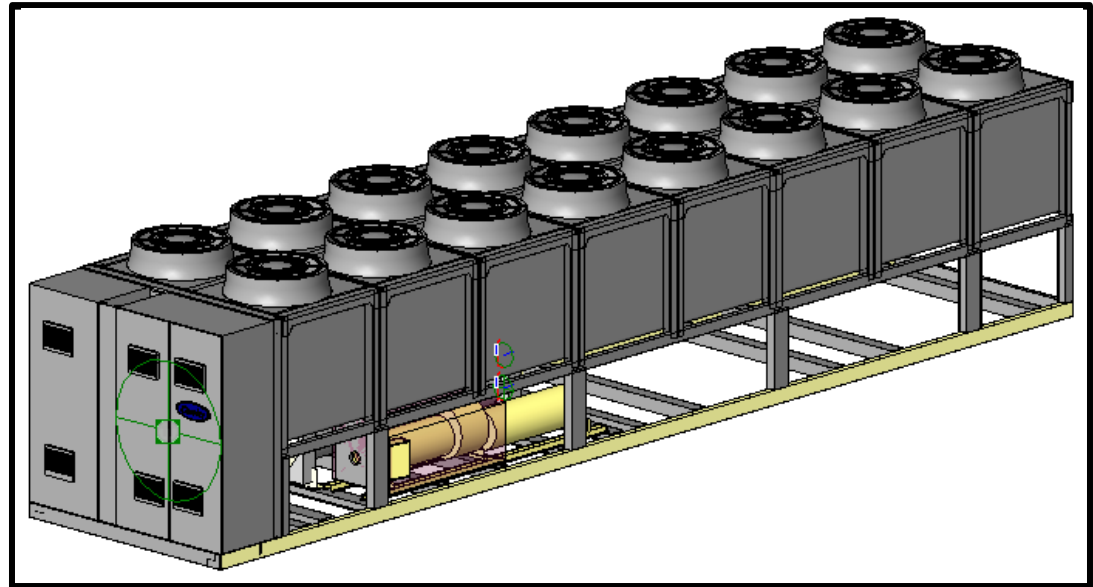
Type name: Opt 15L/LS + OPT 23a

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Service Area	☐	=
Option23a	☒	=
Option 23	☐	=
15LS/15L	☒	=
Identity Data		

[How do I manage family types?](#)



Option50 + Option325

Family Types

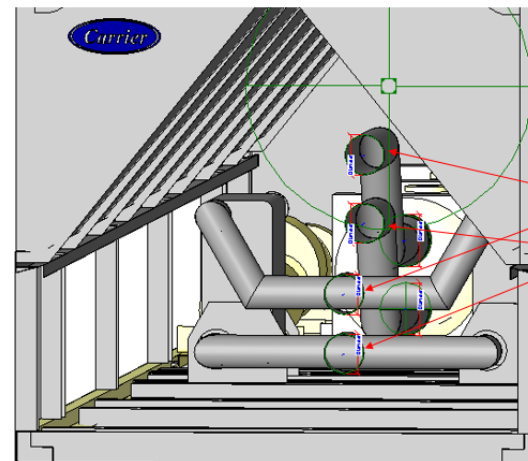
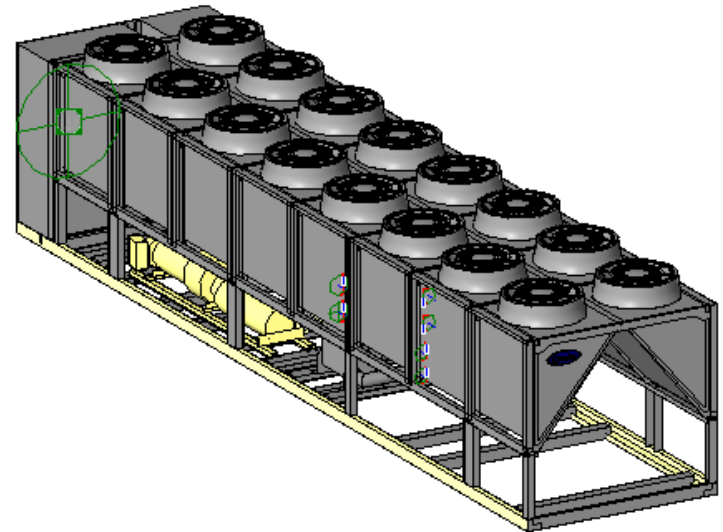
Type name: OPT50 + OPT325

Search parameters

Parameter	Value	
Construction		
OPT50	☒	=
OPT325 for OPT50	☒	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Service Area	☐	=
Option23a	☐	=
Option 23	☐	=
15LS/15L	☐	=
Identity Data		

[How do I manage family types?](#) OK



Water Outlet

Water Inlet

Option49 + Option325

Family Types

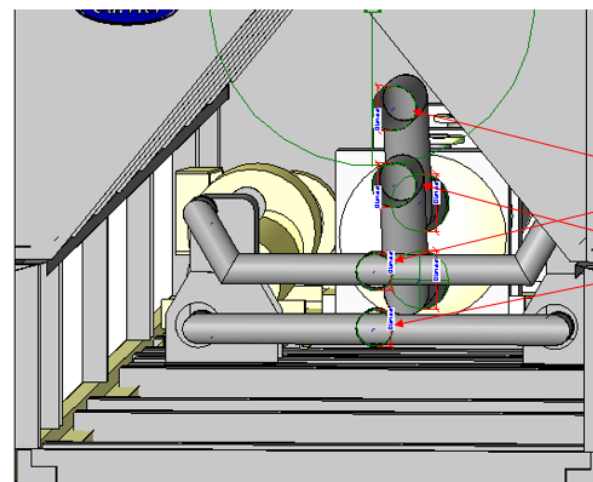
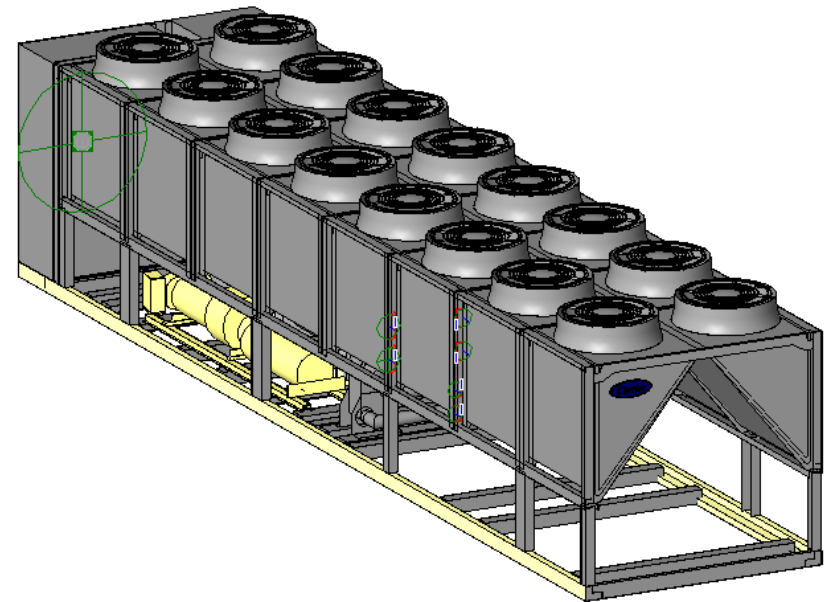
Type name: OPT49 + OPT325

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☒
OPT325 for OPT49	☒
Service Area	☐
Option23a	☐
Option 23	☐
15LS/15L	☐
Identity Data	

How do I manage family types?

OK



Water Outlet

Water Inlet

OPT 50 + OPT 266 + Opt267

1) In this slide only Opt50 is shown. Same way Opt49 is also configured.

Family Types

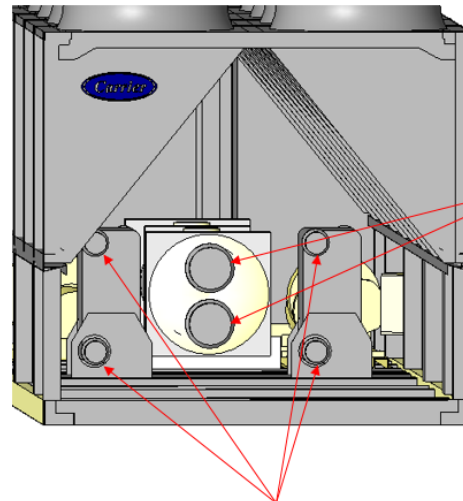
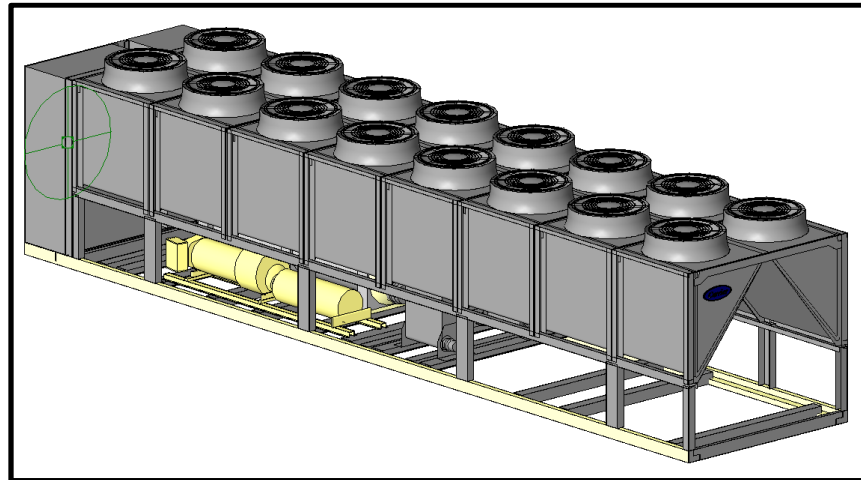
Type name: OPT50 + OPT266 + OPT267

Search parameters

Parameter	Value
Construction	
ATEX Zone	☐
OPT266	☒
OPT49+OPT325_OPT266	☐
OPT49+OPT325_OPT267	☐
OPT49_OPT267	☐
OPT50+OPT325_OPT266	☐
OPT50+OPT325_OPT267	☐
OPT50_OPT267	☒
OPT50	☒
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area	☐
Option23a	☐
Option 23	☐
15LS/15L	☐
Identity Data	

How do I manage family types?

OK



Opt 266

Opt 267

OPT 50 + OPT325 + OPT 266 + Opt267

1) In this slide only Opt50 is shown. Same way Opt49 is also configured.

Family Types

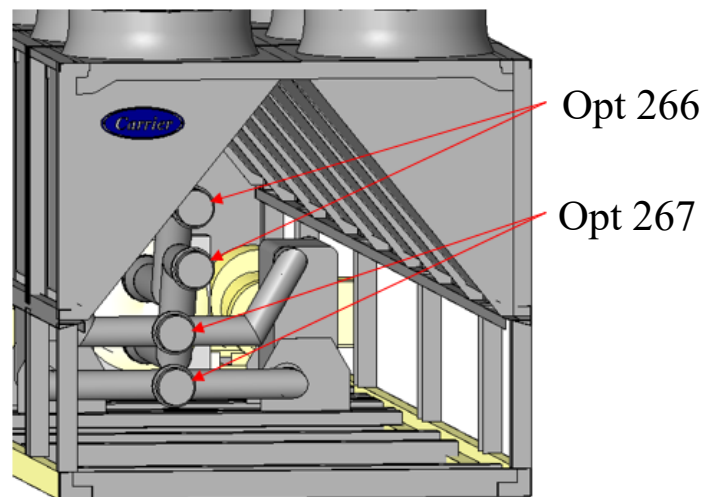
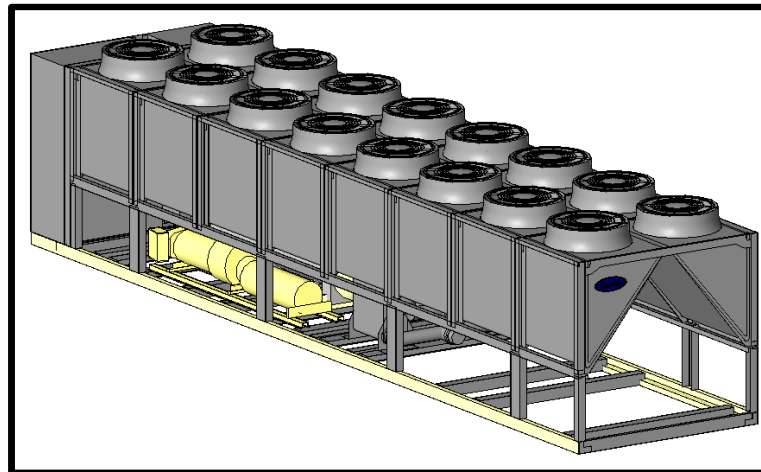
Type name: OPT50 + OPT325 + OPT266 + OPT267

Search parameters

Parameter	Value
Construction	
ATEX Zone	☐
OPT266	☐
OPT49+OPT325_OPT266	☐
OPT49+OPT325_OPT267	☐
OPT49_OPT267	☐
OPT50+OPT325_OPT266	☒
OPT50+OPT325_OPT267	☒
OPT50_OPT267	☐
OPT50	☒
OPT325 for OPT50	☒
OPT49	☐
OPT325 for OPT49	☐
Service Area	☐
Option23a	☐
Option 23	☐
15LS/15L	☐
Identity Data	

How do I manage family types?

OK



IMPORTANT:-

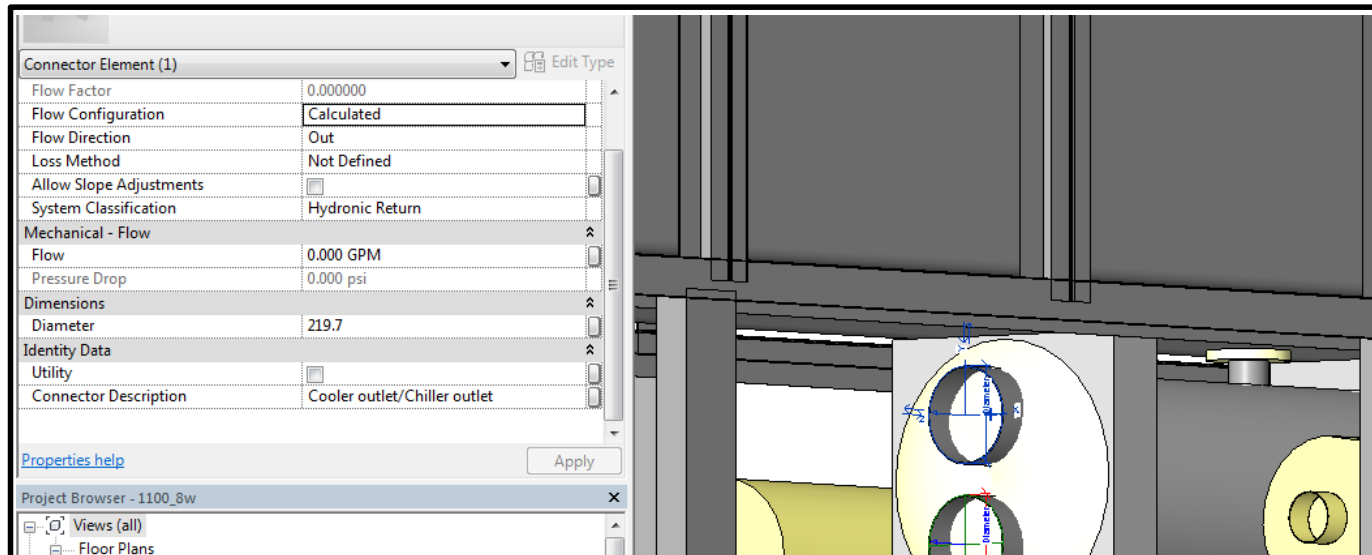
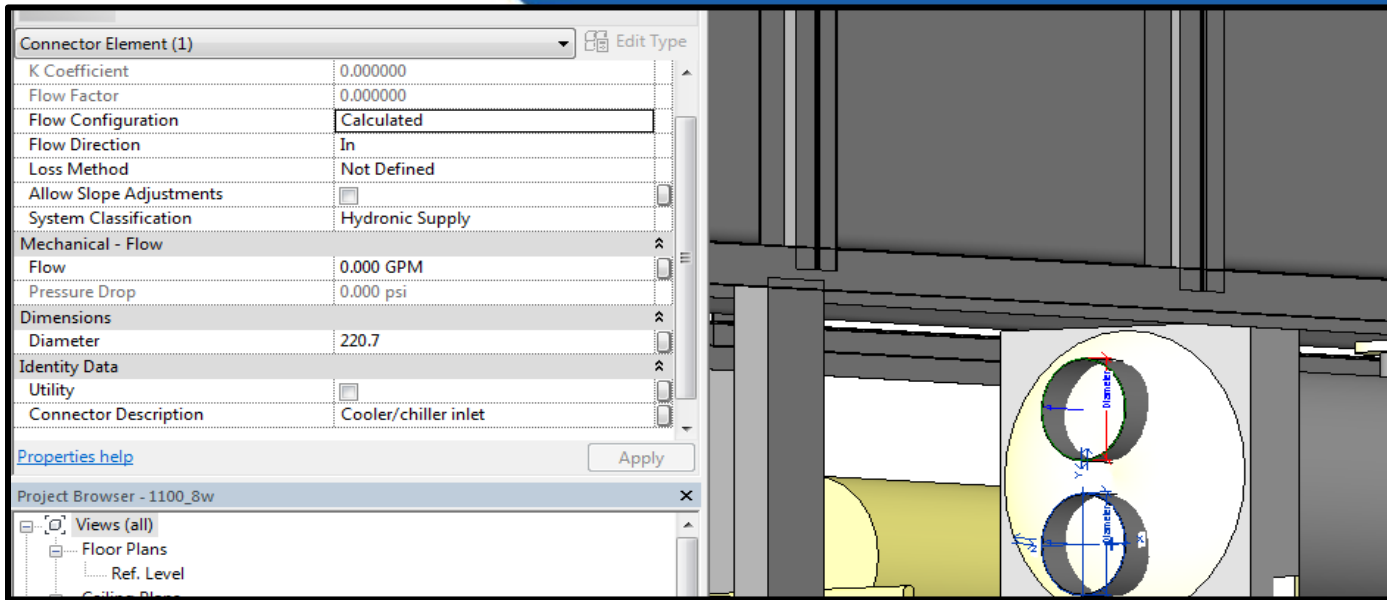
Connectors Used-

- 1) Cooler Inlet /Outlet
- 2) Total Heat Recovery (Opt50) Inlet / Outlet
- 3) Partial Heat Recovery (Opt49) Inlet / Outlet
- 4) Total Heat Recovery (Opt50) + Opt325 Inlet / Outlet
- 5) Partial Heat Recovery (Opt49) + Opt325 Inlet / Outlet
- 6) Electrical Box

Connector Information are read by clicking on the arrow Provided as shown.

NOTE: 1) Connector are associated with the geometry profile of the unit.

Cooler Inlet / Outlet

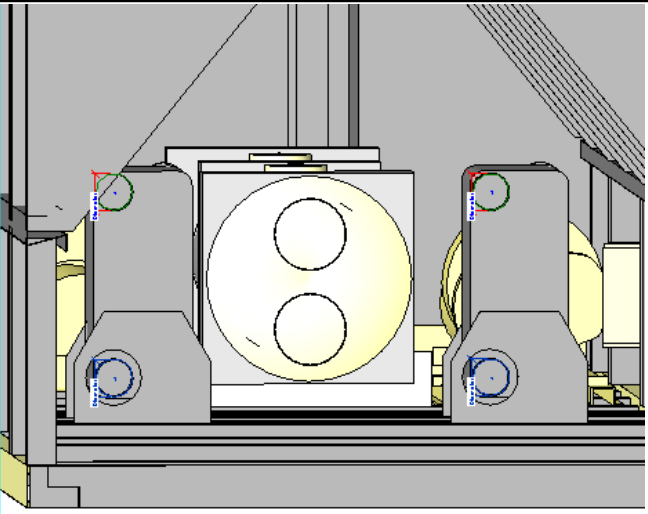


Total Heat Recovery (Opt50) Inlet / Outlet

Multiple Families Selected

Connector Element (2) Edit Type

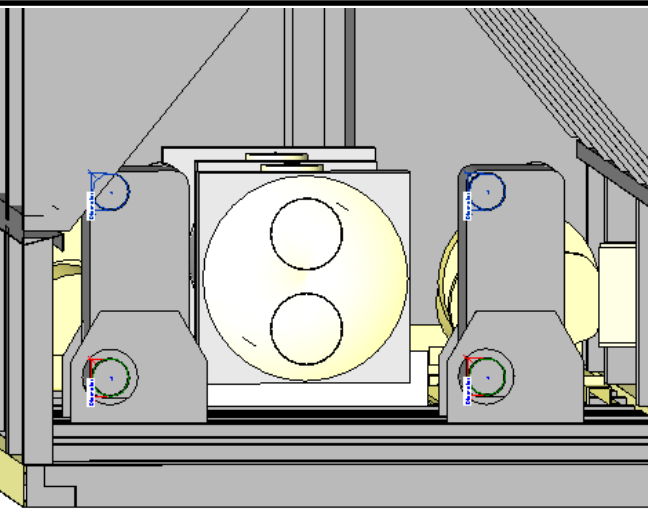
Dimensions	
Diameter	114.3
Mechanical	
K Coefficient	0.000000
Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	In
Loss Method	Not Defined
Allow Slope Adjustments	☐
System Classification	Hydronic Supply
Mechanical - Flow	
Flow	0.000 GPM
Pressure Drop	0.000 psi
Identity Data	
Utility	☐
Connector Description	Water_Inlet

A 3D CAD model of a hydronic supply connector element. It features a central cylindrical body with two circular openings, flanked by two vertical rectangular sections. The model is shown in a perspective view, highlighting its mechanical details and the flow direction indicated by the 'In' setting in the properties panel.

Multiple Families Selected

Connector Element (2) Edit Type

Dimensions	
Diameter	114.3
Mechanical	
K Coefficient	0.000000
Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	Out
Loss Method	Not Defined
Allow Slope Adjustments	☐
System Classification	Hydronic Return
Mechanical - Flow	
Flow	0.000 GPM
Pressure Drop	0.000 psi
Identity Data	
Utility	☐
Connector Description	Water_Outlet

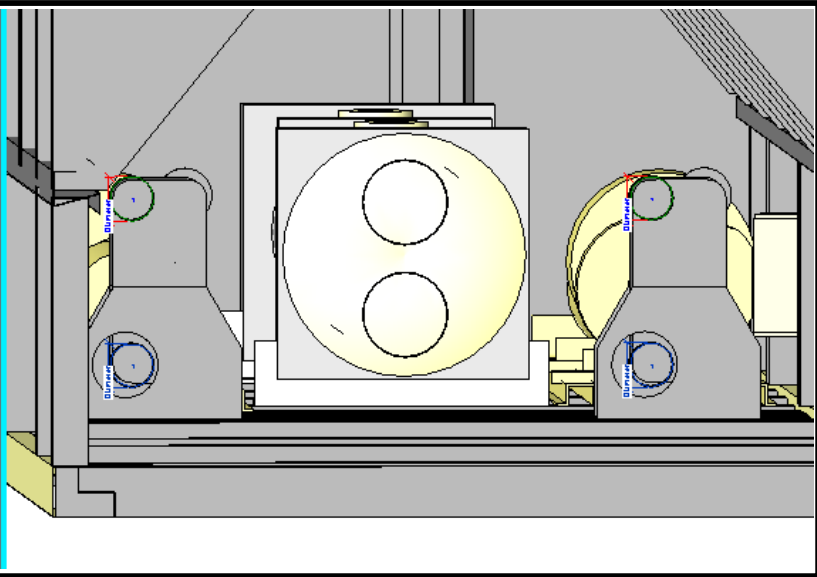
A 3D CAD model of a hydronic return connector element, identical in geometry to the supply model. It features a central cylindrical body with two circular openings, flanked by two vertical rectangular sections. The model is shown in a perspective view, highlighting its mechanical details and the flow direction indicated by the 'Out' setting in the properties panel.

Partial Heat Recovery (Opt49) Inlet / Outlet

Multiple Families Selected

Connector Element (2) Edit Type

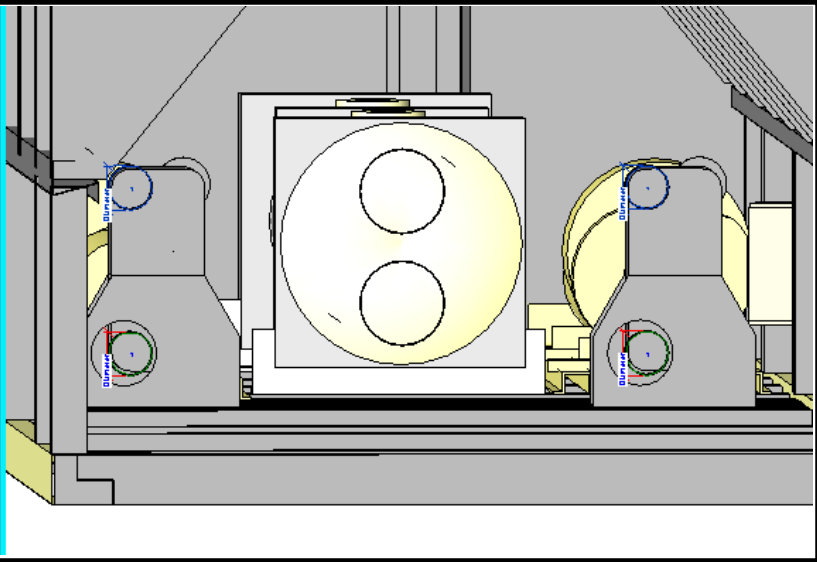
Dimensions	
Diameter	114.3
Mechanical	
K Coefficient	0.000000
Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	In
Loss Method	Not Defined
Allow Slope Adjustments	☐
System Classification	Hydronic Supply
Mechanical - Flow	
Flow	0.000 GPM
Pressure Drop	0.000 psi
Identity Data	
Utility	☐
Connector Description	Water_Inlet



Multiple Families Selected

Connector Element (2) Edit Type

Dimensions	
Diameter	114.3
Mechanical	
K Coefficient	0.000000
Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	Out
Loss Method	Not Defined
Allow Slope Adjustments	☐
System Classification	Hydronic Return
Mechanical - Flow	
Flow	0.000 GPM
Pressure Drop	0.000 psi
Identity Data	
Utility	☐
Connector Description	Water_Outlet



Total Heat Recovery (Opt50) + Opt325 Inlet / Outlet

R

Connector Element (1) Edit Type

Diameter

Mechanical

K Coefficient 0.000000

Flow Factor 0.000000

Flow Configuration Calculated

Flow Direction In

Loss Method Not Defined

Allow Slope Adjustments ☐

System Classification Hydronic Supply

Mechanical - Flow

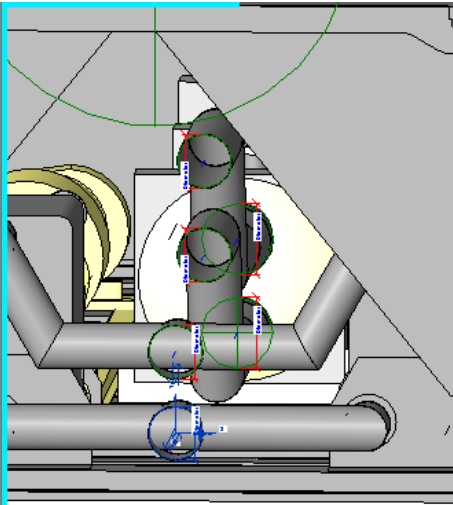
Flow 0.000 GPM

Pressure Drop 0.000 psi

Identity Data

Utility ☐

Connector Description Water_Inlet



R

Connector Element (1) Edit Type

Diameter

Mechanical

K Coefficient 0.000000

Flow Factor 0.000000

Flow Configuration Calculated

Flow Direction In

Loss Method Not Defined

Allow Slope Adjustments ☐

System Classification Hydronic Supply

Mechanical - Flow

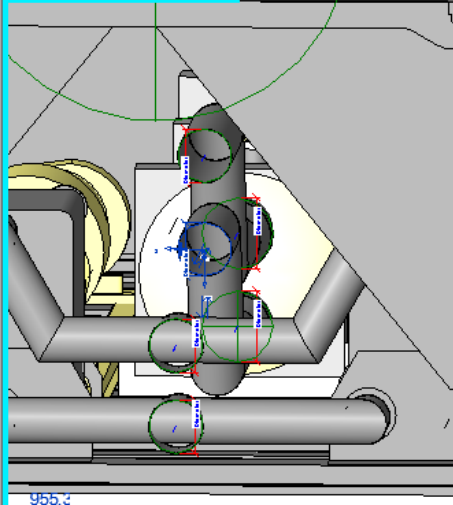
Flow 0.000 GPM

Pressure Drop 0.000 psi

Identity Data

Utility ☐

Connector Description Water_Inlet



R

Connector Element (1) Edit Type

Diameter

Mechanical

K Coefficient 0.000000

Flow Factor 0.000000

Flow Configuration Calculated

Flow Direction Out

Loss Method Not Defined

Allow Slope Adjustments ☐

System Classification Hydronic Return

Mechanical - Flow

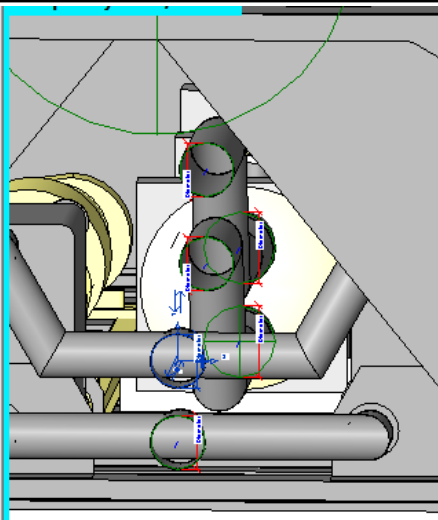
Flow 0.000 GPM

Pressure Drop 0.000 psi

Identity Data

Utility ☐

Connector Description Water_Outlet



R

Connector Element (1) Edit Type

Diameter

Mechanical

K Coefficient 0.000000

Flow Factor 0.000000

Flow Configuration Calculated

Flow Direction Bidirectional

Loss Method Not Defined

Allow Slope Adjustments ☐

System Classification Hydronic Return

Mechanical - Flow

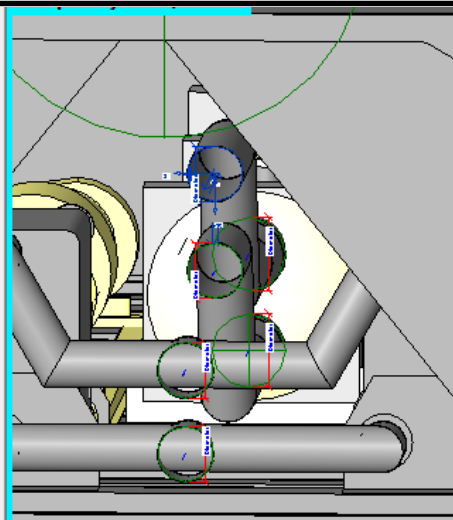
Flow 0.000 GPM

Pressure Drop 0.000 psi

Identity Data

Utility ☐

Connector Description Water_Outlet



Partial Heat Recovery (Opt49) + Opt325 Inlet / Outlet

R

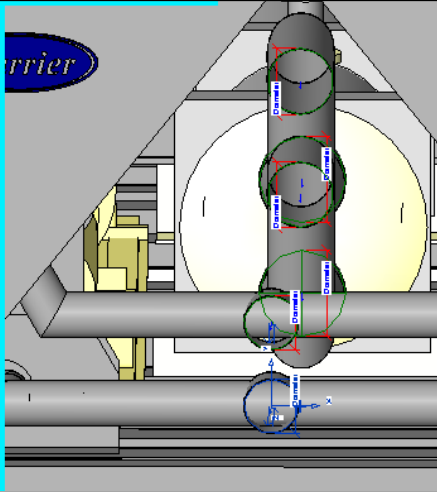
Connector Element (1) Edit Type

Dimensions
Diameter 139.7

Mechanical
K Coefficient 0.000000
Flow Factor 0.000000
Flow Configuration Calculated
Flow Direction In
Loss Method Not Defined
Allow Slope Adjustments ☐
System Classification Hydronic Supply

Mechanical - Flow
Flow 0.000 GPM
Pressure Drop 0.000 psi

Identity Data
Utility ☐
Connector Description Water_Inlet



R

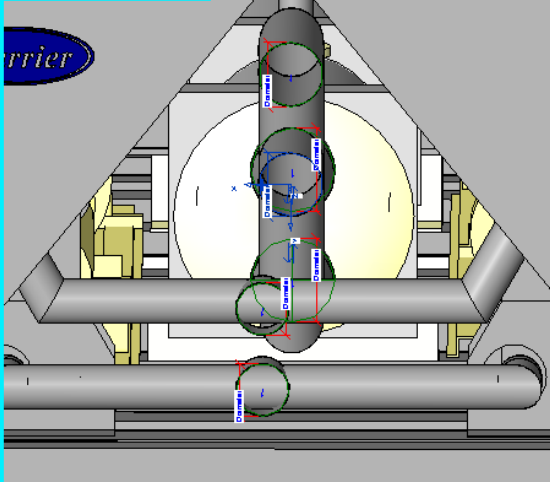
Connector Element (1) Edit Type

Dimensions
Diameter 168.3

Mechanical
K Coefficient 0.000000
Flow Factor 0.000000
Flow Configuration Calculated
Flow Direction In
Loss Method Not Defined
Allow Slope Adjustments ☐
System Classification Hydronic Supply

Mechanical - Flow
Flow 0.000 GPM
Pressure Drop 0.000 psi

Identity Data
Utility ☐
Connector Description Water_Inlet



R

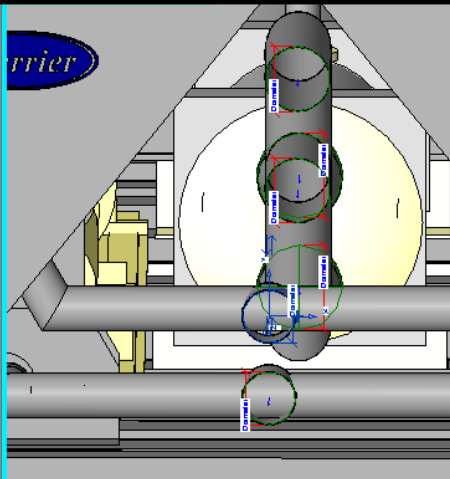
Connector Element (1) Edit Type

Dimensions
Diameter 139.7

Mechanical
K Coefficient 0.000000
Flow Factor 0.000000
Flow Configuration Calculated
Flow Direction Out
Loss Method Not Defined
Allow Slope Adjustments ☐
System Classification Hydronic Return

Mechanical - Flow
Flow 0.000 GPM
Pressure Drop 0.000 psi

Identity Data
Utility ☐
Connector Description Water_Outlet



R

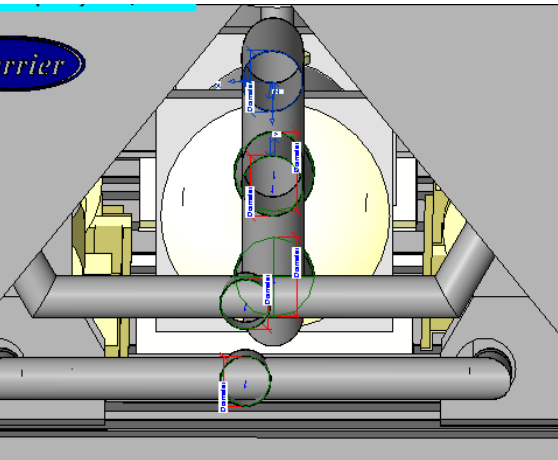
Connector Element (1) Edit Type

Dimensions
Diameter 168.3

Mechanical
K Coefficient 0.000000
Flow Factor 0.000000
Flow Configuration Calculated
Flow Direction Out
Loss Method Not Defined
Allow Slope Adjustments ☐
System Classification Hydronic Return

Mechanical - Flow
Flow 0.000 GPM
Pressure Drop 0.000 psi

Identity Data
Utility ☐
Connector Description Water_Outlet



Electrical Box Connection



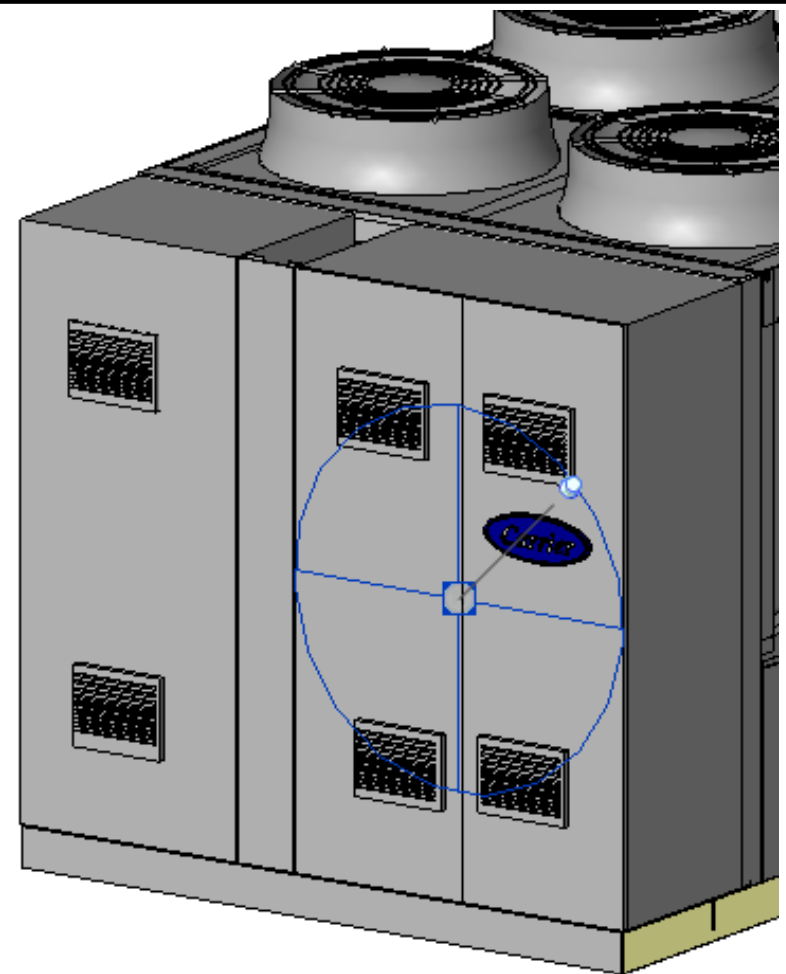
▼

Connector Element (1) ▼

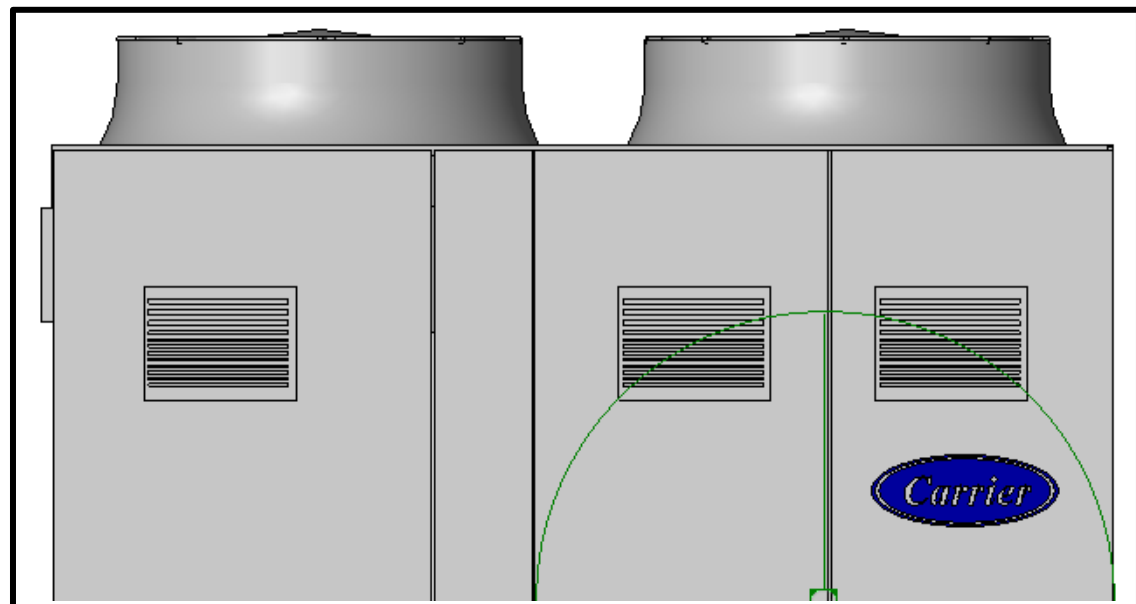
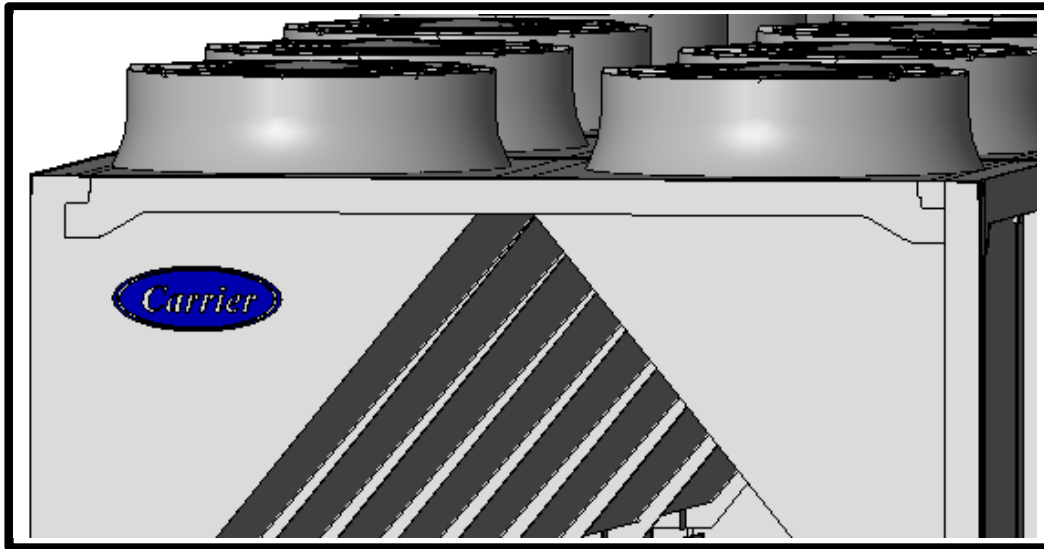
 Edit Type

Electrical - Loads ⬆

System Type	Power - Unbalanced
Number of Poles	1
Power Factor State	Lagging
Load Classification	Other
Load Sub-Classification Motor	☐
Voltage	0.00 V
Apparent Load Phase 1	0.00 VA
Apparent Load Phase 2	0.00 VA
Apparent Load Phase 3	0.00 VA
Power Factor	1.000000
Identity Data ⬆	
Utility	☐
Connector Description	Electrical_Connection30KAV...



Carrier Logo



Техника для климата

Доставляем оборудование по всей России от 3 дней транспортными компаниями. Реализуем проекты в десятках регионов — от Калининграда до Владивостока.

9600+

объектов и поставок

от 1 дня

отгрузка в транспортную компанию

Технические данные файла

Документ: Схема Carrier 30KAV/30KAVP, чиллеры с воздушным охлаждением: BIM-модель Revit 30KAV1000-OPT119 / 30KAVZE0750-OPT119 / 30KAVP1000 / 30KAVPZE0750, 01.2024

Идентификатор библиотеки: LIB-004026

Исходный файл: carrier-30kav1000-opt119-30kavze0750-opt119-revit-opt119-shema.pdf

SHA-256 оригинала: 198f97b3c9a20a9ed867df0a942f04c112625606943615f7ad402fb4471bc42a

Постоянная ссылка:

<https://iclim.ru/library/carrier-30kav1000-opt119-30kavze0750-opt119-revit-opt119-shema.pdf>

Копия сформирована: 03.10.2026 17:20 UTC