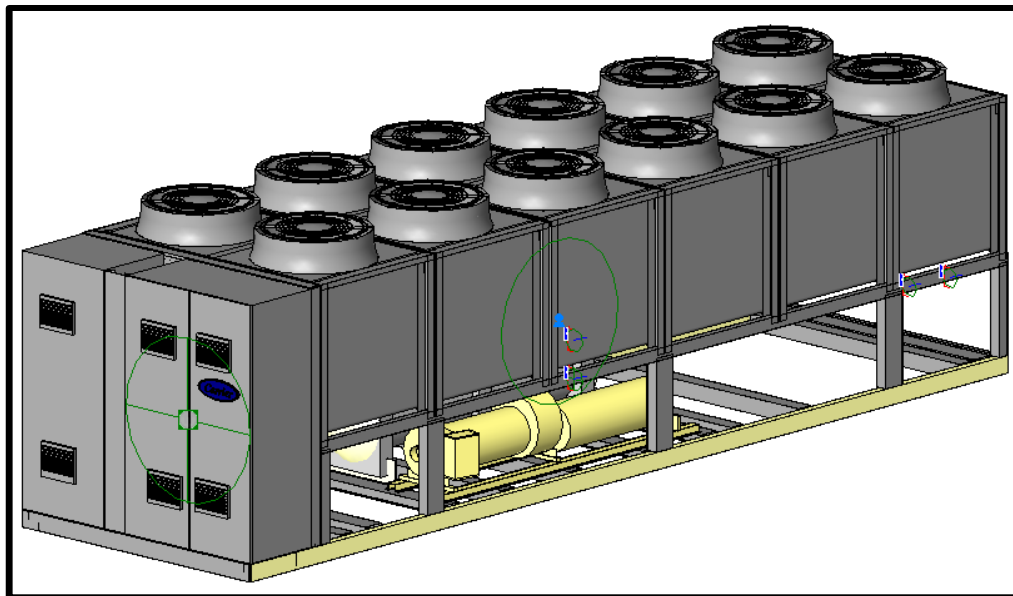


***30KAV0720-OPT119 / 30KAVZE0550-OPT119 /
30KAVP0720 / 30KAVPZE0550***



INDEX

Slide Number

- | | | |
|----|----------------------------------|-------|
| 1. | Excel sheet Data to Revit Option | 3 |
| 2. | Operation of Revit file | 4-41 |
| 3. | Connector Information | 42-50 |

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	Hyd_kit(opt-116)	Expansion Tank (opt293)	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)
30KAV0720-Opt119 / 30KAVZE0550- OPT119 / 30KAVP0720 / 30KAVPZE0550	x	x	x	x	x	x	x	x	x

SINGLE OPTION

SL NO	Revit Option	Description
1	30KAV0720-Opt119 / 30KAVZE0550-OPT119 / 30KAVP0720 / 30KAVPZE0550	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 116A	Standard Unit + Low pressureDouble pump(BP) VSD Controlled
6	Option 116A/119+	Standard Unit + Low pressureDouble pump(BP) For 119+ Option
7	Option 116W/119+	Standard Unit + Low pressureDouble pump(HP) For 119+ Option
8	Option 116W	Standard Unit + High Pressure Double pump(HP) VSD Controlled
9	Option 293	116+Expansion tank
10	Option 50	Total Heat Recovery
11	Option 49	Partial Heat Recovery
12	Option 266	Cooler hydraulic connection

REVIT FAMILY TABLE

Family Types

Type name: 30KAV0720-Opt119 / 30KAVZE0550-OPT119 / 30KAVP0720 / 30KAV1

Search param

Para

Construction

ATEX Zone

OPT266

OPT266_116

OPT49+ OPT

OPT49_ OPT

OPT50+ OPT

OPT50_ OPT

OPT50

OPT325 for C

OPT49

OPT325 for C

Pumps BP/H

VSD BOX

Service Area

Option23a

Option 293

Option 23

15LS/15L

Identity Data

How do I manage family types?

OK Cancel

Family Types

Type name: Opt 15L/LS + OPT23a + Opt 293+Opt116A/119+

Search param

Para

Construction

ATEX Zone

OPT266

OPT266_116

OPT49+ OPT

OPT49_ OPT

OPT50+ OPT

OPT50_ OPT

OPT50

OPT325 for C

OPT49

OPT325 for C

Pumps BP/H

VSD BOX

Service Area

Option23a

Option 293

Option 23

15LS/15L

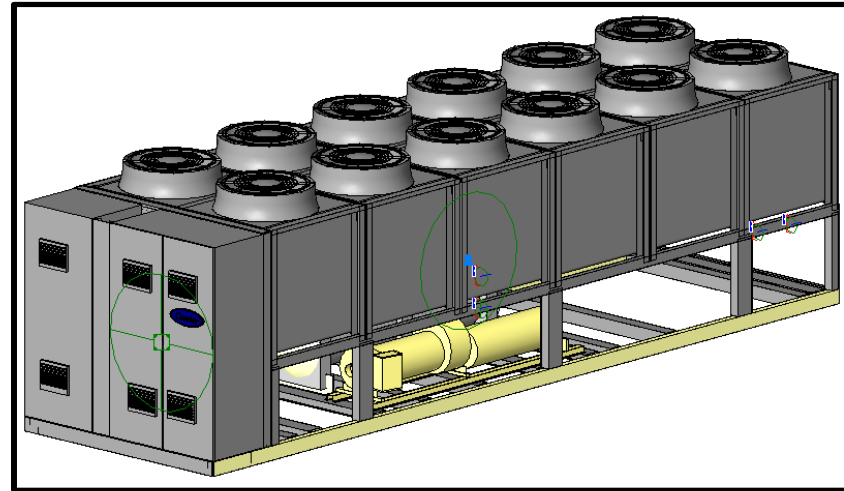
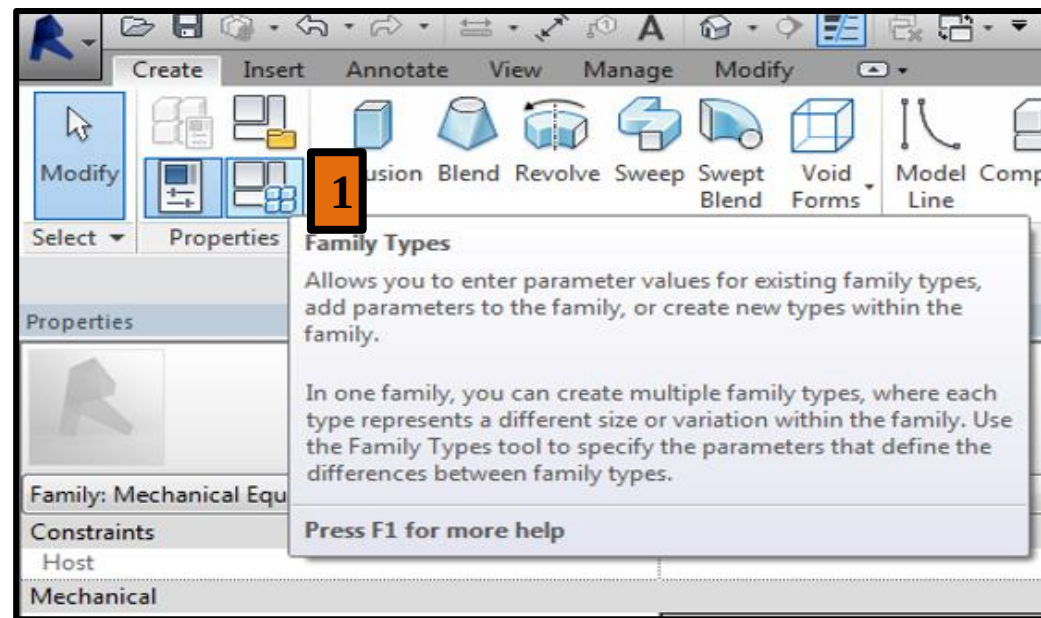
Identity Data

How do I manage family types?

OK Cancel

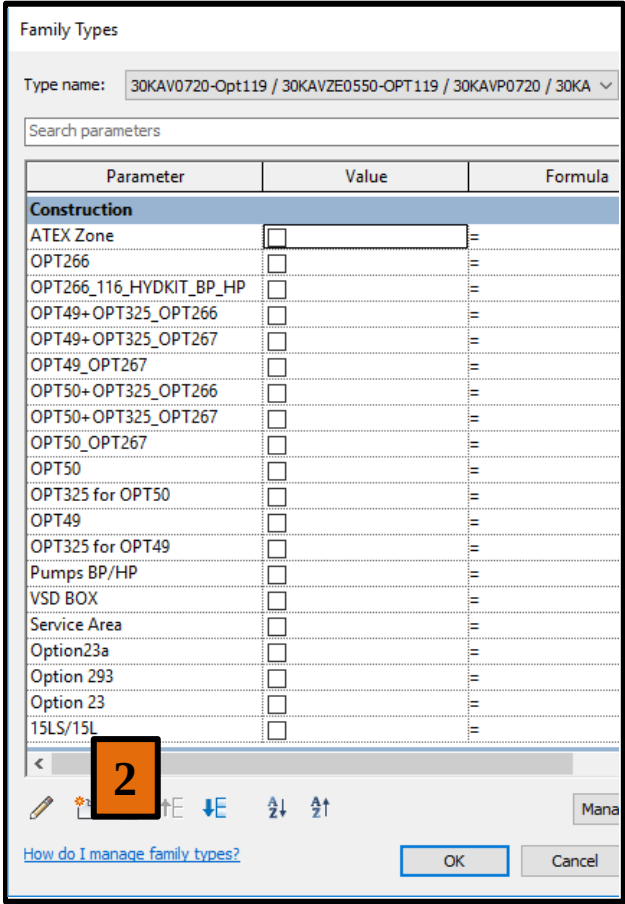
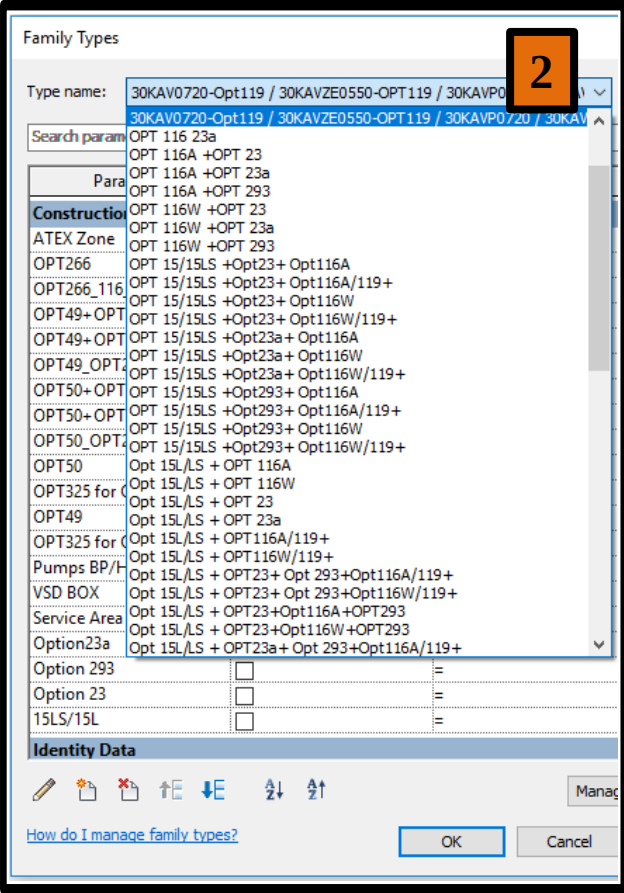
Operating Revit file

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



Step 2-After Opening Family Type Console, Pick Required Option from the drop Down as shown below and click OK.

Options are Configured for users.



Note: 1)Kindly don't modify the Option Configuration by checking and Unchecking the box.
2) All options can be viewed by following same process

Standard Unit Creation

30KAV0720-OPT119 / 30KAVZE0550-OPT119 / 30KAVP0720 / 30KAVPZE0550

Family Types

Type name: 30KAV0720-Opt119 / 30KAVZE0550-OPT119 / 30KAVP0720 / 30KA

Search parameters

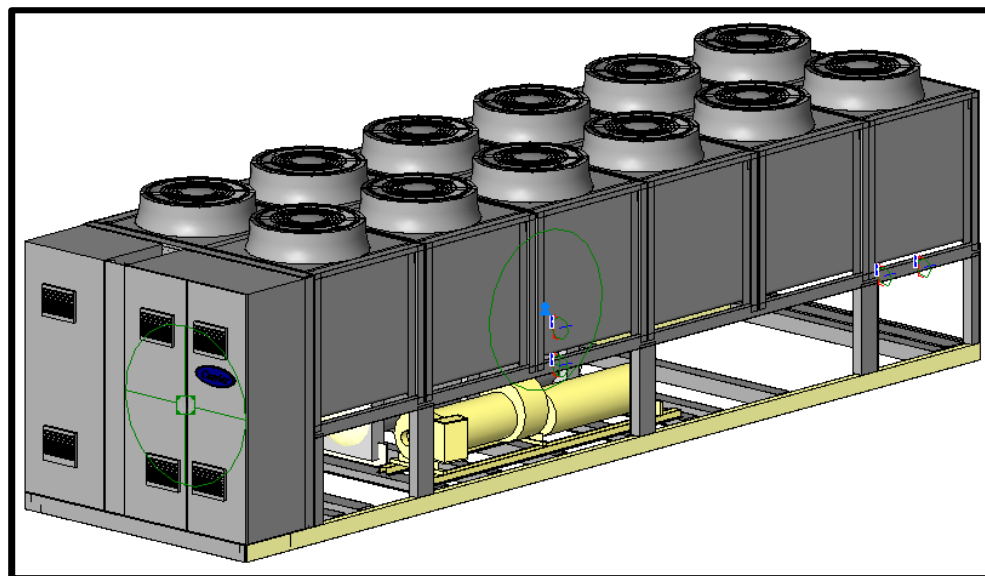
Parameter	Value	Formula
Construction		
ATEX Zone	☐	=
OPT266	☐	=
OPT266_116_HYDKIT_BP_HP	☐	=
OPT49+OPT325_OPT266	☐	=
OPT49+OPT325_OPT267	☐	=
OPT49_OPT267	☐	=
OPT50+OPT325_OPT266	☐	=
OPT50+OPT325_OPT267	☐	=
OPT50_OPT267	☐	=
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Pumps BP/HP	☐	=
VSD BOX	☐	=
Service Area	☐	=
Option23a	☐	=
Option 293	☐	=
Option 23	☐	=
15LS/15L	☐	=

<

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

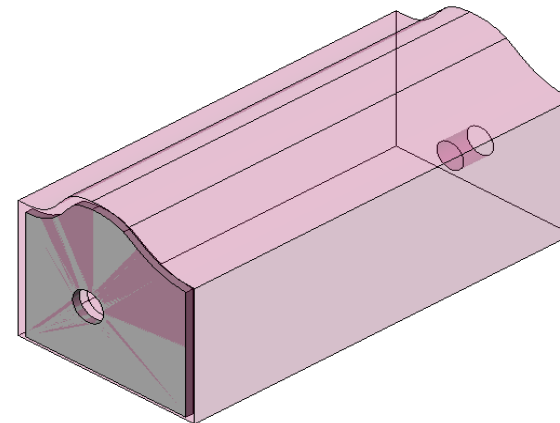
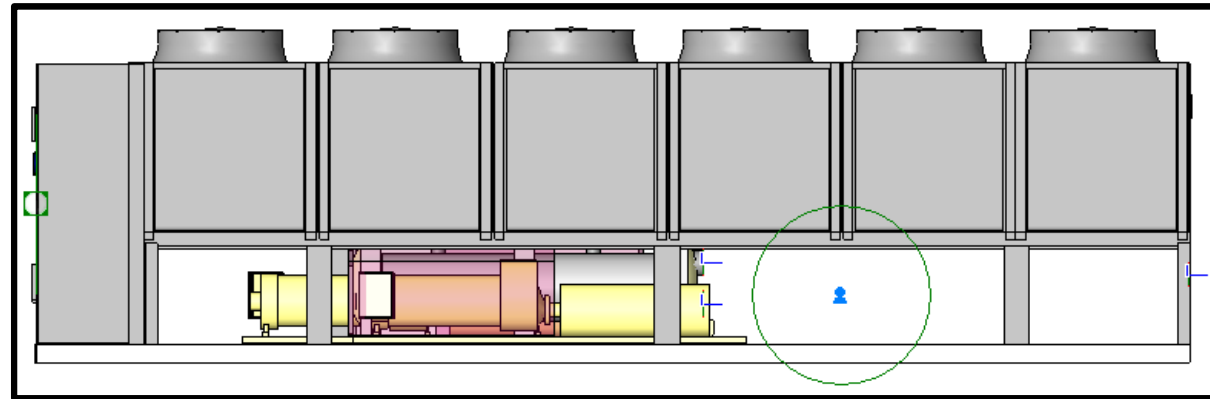
Family Types

Type name: OPT15/15LS

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Pumps BP/HP	☐
VSD BOX	☐
Service Area	☐
Option23a	☐
Option 293	☐
Option 23	☐
15LS/15L	☒
Identity Data	

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



Option 23

Coil panel protection

Standard unit + panel+ Grill

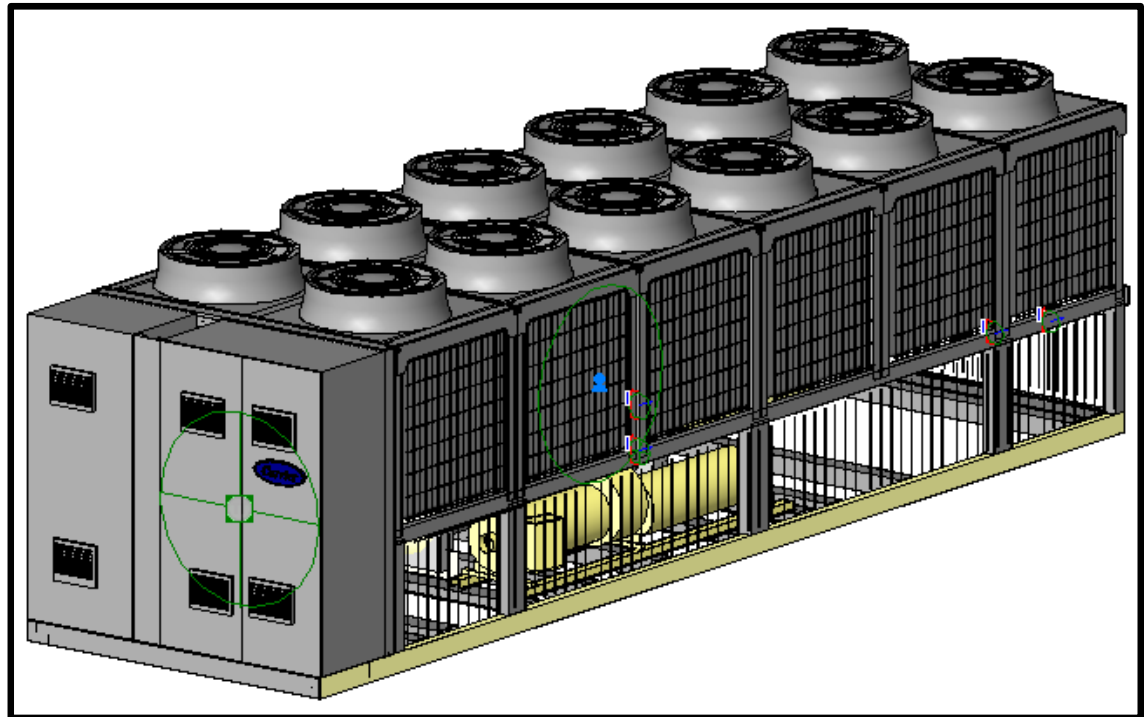
Family Types

Type name: OPT23

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Pumps BP/HP	☐
VSD BOX	☐
Service Area	☐
Option23a	☐
Option 293	☐
Option 23	☒
15LS/15L	☐
Identity Data	

How do I manage family types?



Option 23a

Coil panel protection Standard unit + panel

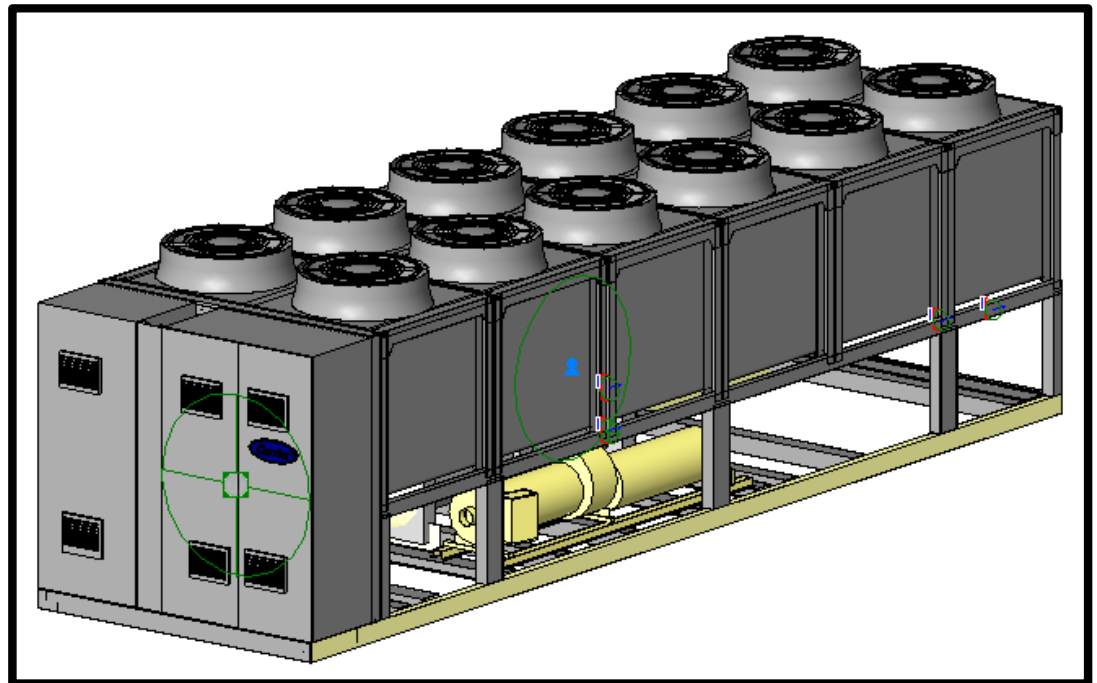
Family Types

Type name: Opt23a

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Pumps BP/HP	☐
VSD BOX	☐
Service Area	☐
Option23a	☒
Option 293	☐
Option 23	☐
15LS/15L	☐
Identity Data	

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



Option 116A

Low Pressure Double Pump STD Unit + VSD Controlled Pump(BP)

Family Types

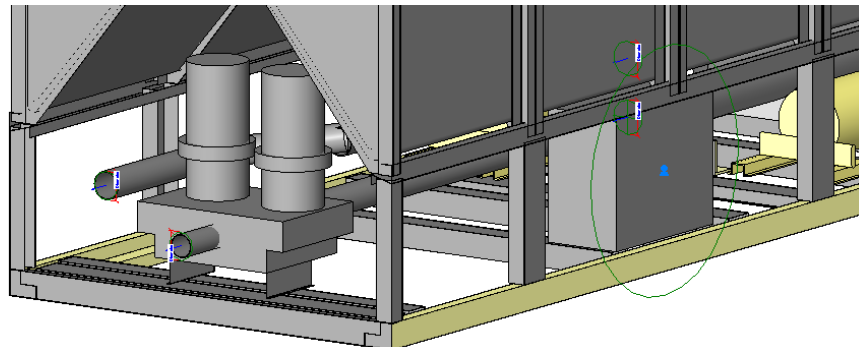
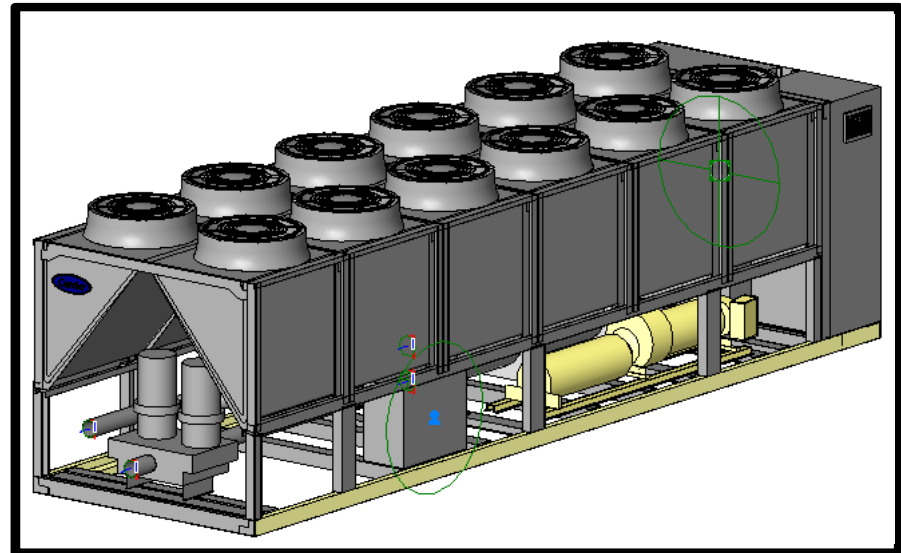
Type name: 116A

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Pumps BP/HP	☒
VSD BOX	☒
Service Area	☐
Option23a	☐
Option 293	☐
Option 23	☐
15LS/15L	☐
Identity Data	

How do I manage family types?

OK



Option 116W

High Pressure Double Pump STD Unit + VSD Controlled Pump(HP)

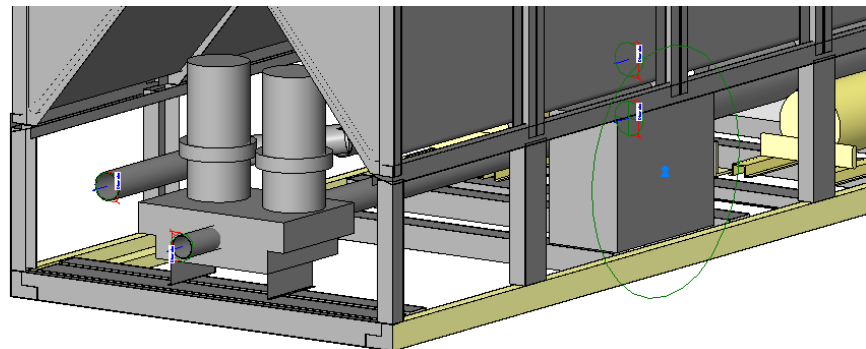
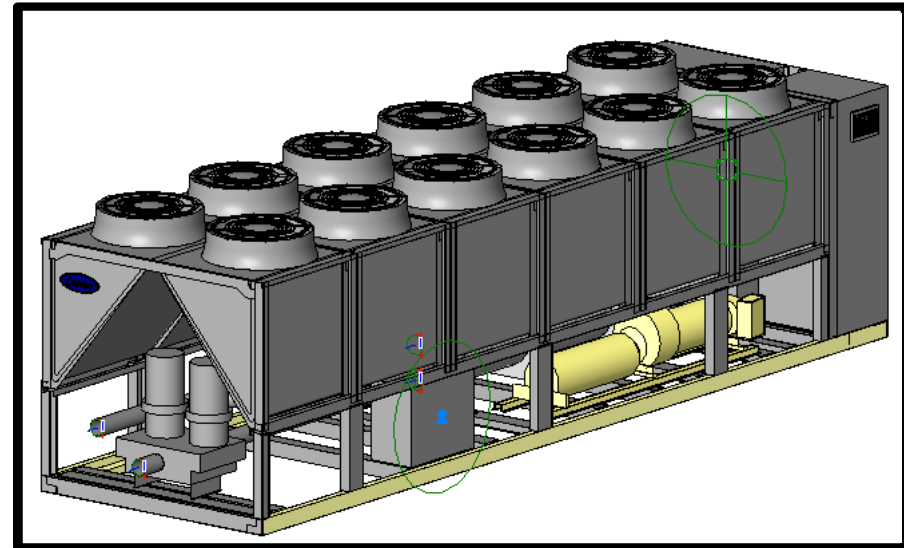
Family Types

Type name: 116W

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Pumps BP/HP	☒
VSD BOX	☒
Service Area	☐
Option23a	☐
Option 293	☐
Option 23	☐
15LS/15L	☐
Identity Data	

How do I manage family types? OK



Option 116A/119+

Low Pressure Double Pump STD Unit + Pump(BP) 119+ Option

Family Types

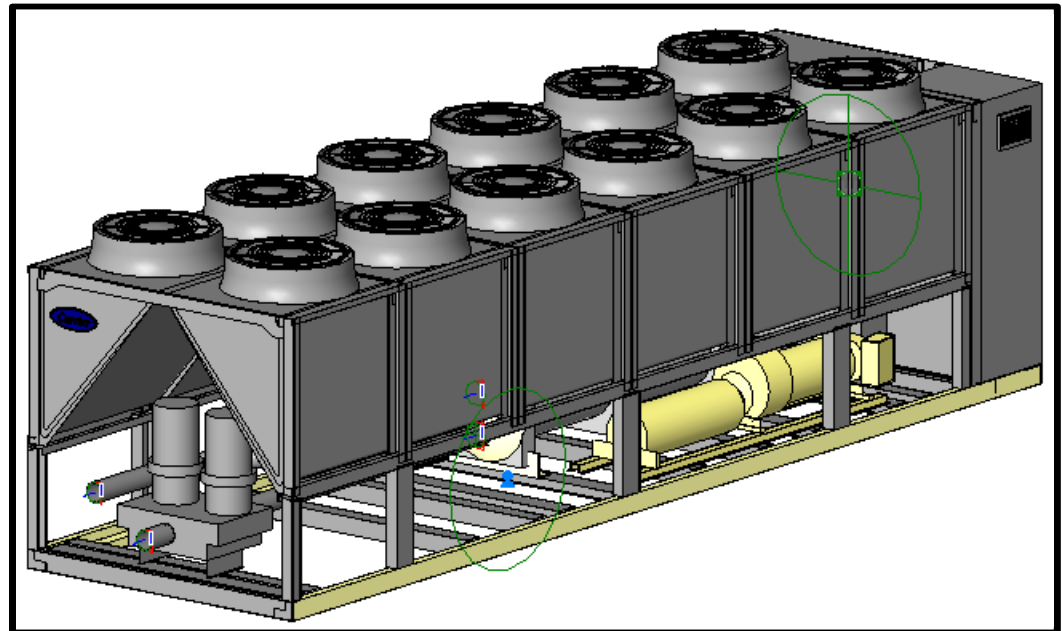
Type name: 116A/119+

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Pumps BP/HP	☒
VSD BOX	☐
Service Area	☐
Option23a	☐
Option 293	☐
Option 23	☐
15LS/15L	☐
Identity Data	

How do I manage family types?

OK



Option 116W/119+

High Pressure Double Pump STD Unit + Pump(HP) 119+ Option

Family Types

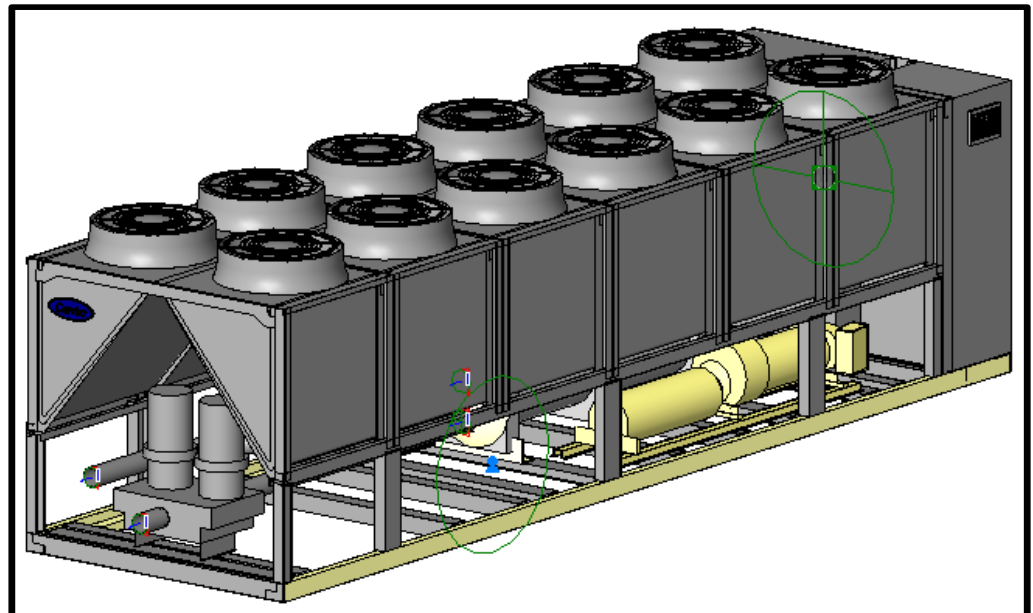
Type name: 116W/119+

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Pumps BP/HP	☒
VSD BOX	☐
Service Area	☐
Option23a	☐
Option 293	☐
Option 23	☐
15LS/15L	☐
Identity Data	

How do I manage family types?

OK



Option 293

Expansion Tank

Standard unit + Hyd Option(BP/HP) any one + Expansion tank

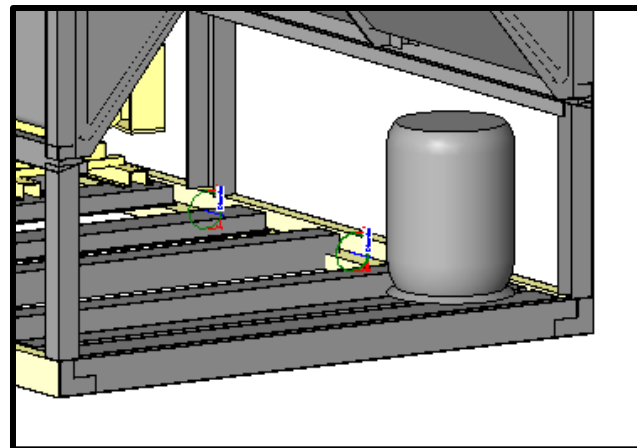
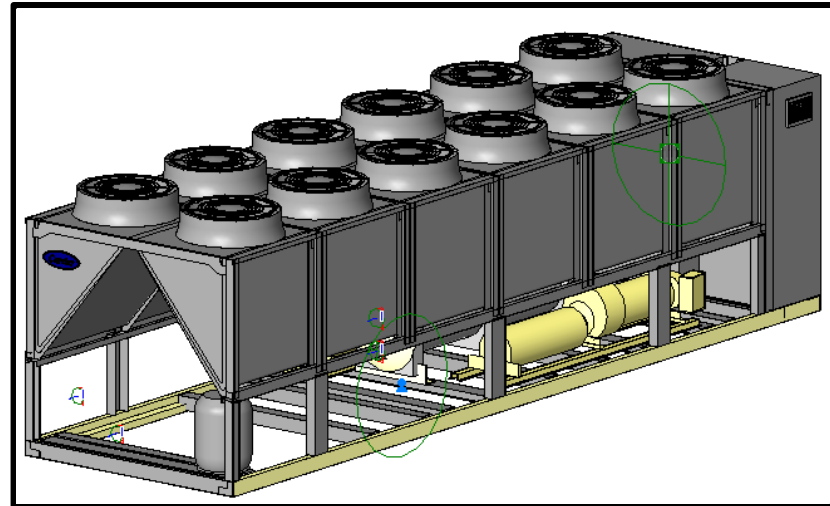
Family Types

Type name: Option 293

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Pumps BP/HP	☐
VSD BOX	☐
Service Area	☐
Option23a	☐
Option 293	☒
Option 23	☐
15LS/15L	☐
Identity Data	

How do I manage family types?



Option 50

Total Heat Recovery

Family Types

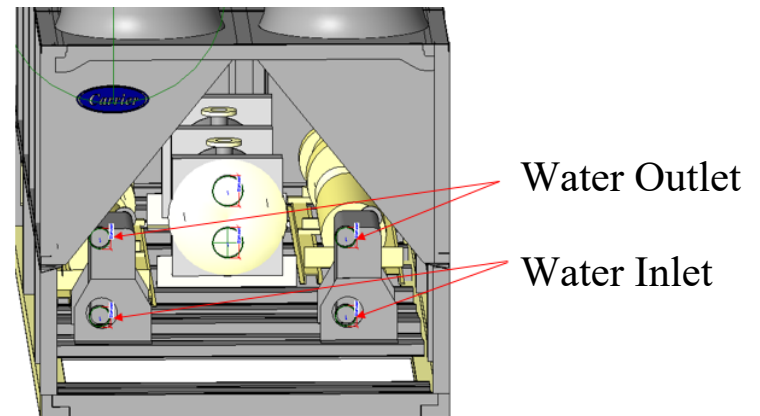
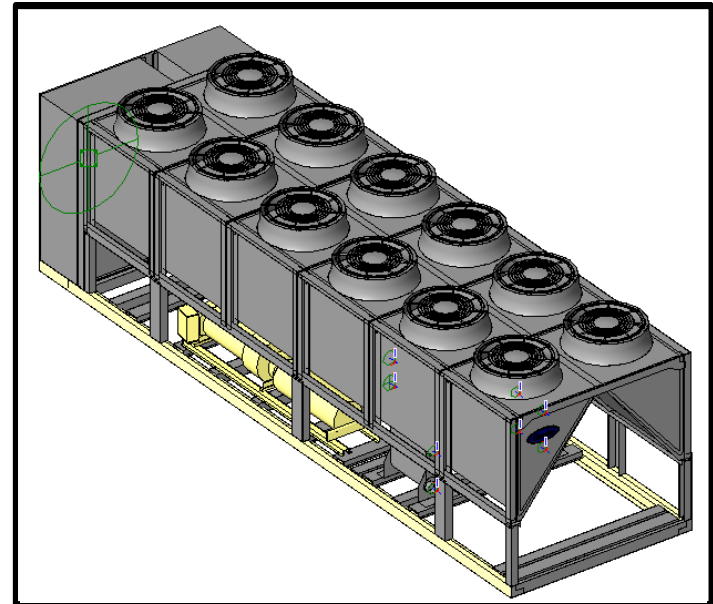
Type name: OPT50

Search parameters

Parameter	Value
Construction	
OPT50	☒
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Pumps BP/HP	☐
VSD BOX	☐
Service Area	☐
Option23a	☐
Option 293	☐
Option 23	☐
15LS/15L	☐
Identity Data	

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



Option 49

Partial Heat Recovery

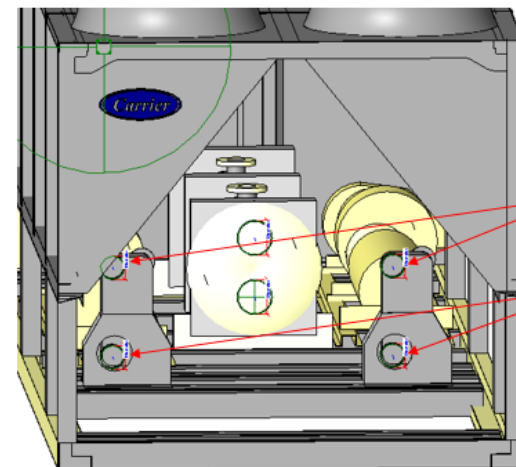
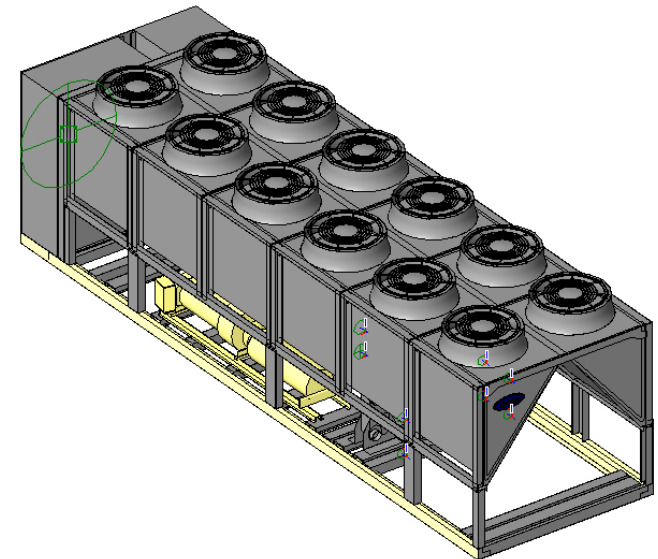
Family Types

Type name: OPT49

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☒
OPT325 for OPT49	☐
Pumps BP/HP	☐
VSD BOX	☐
Service Area	☐
Option23a	☐
Option 293	☐
Option 23	☐
15LS/15L	☐
Identity Data	

How do I manage family types?



Water Outlet
Water Inlet

Option 266

Cooler hydraulic connection

Family Types

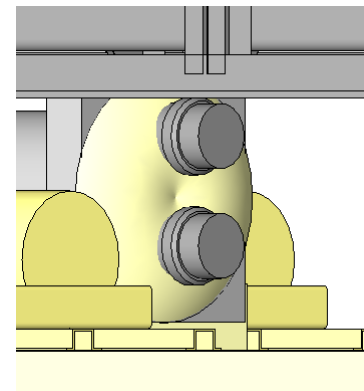
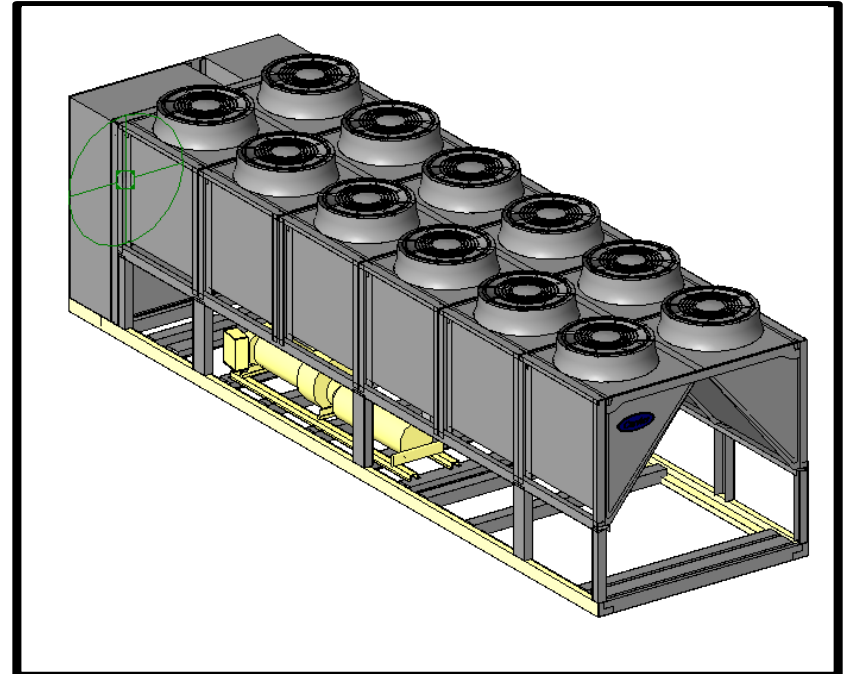
Type name: OPT266

Search parameters

Parameter	Value
Construction	
ATEX Zone	☐
OPT266	☒
OPT266_116_HYDKIT_BP_HP	☐
OPT49+OPT325_OPT266	☐
OPT49+OPT325_OPT267	☐
OPT49_OPT267	☐
OPT50+OPT325_OPT266	☐
OPT50+OPT325_OPT267	☐
OPT50_OPT267	☐
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Pumps BP/HP	☐
VSD BOX	☐
Service Area	☐
Option23a	☐
Option 293	☐
Option 23	☐
15LS/15L	☐

<

How do I manage family types? OK



Service Area Option

Service Area - Standard Unit / HYD Kit / Heat Recovery.

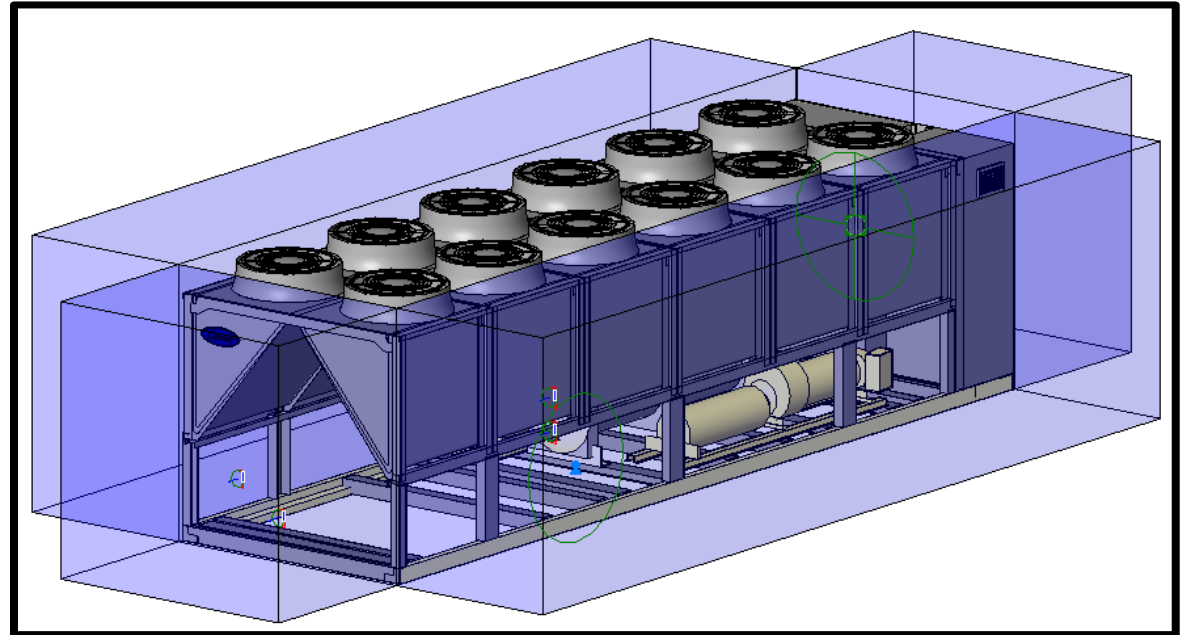
Family Types

Type name: Service Area

Search parameters

Parameter	Value
Construction	
ATEX Zone	☐
OPT266	☐
OPT266_116_HYDKIT_BP_HP	☐
OPT49+OPT325_OPT266	☐
OPT49+OPT325_OPT267	☐
OPT49_OPT267	☐
OPT50+OPT325_OPT266	☐
OPT50+OPT325_OPT267	☐
OPT50_OPT267	☐
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Pumps BP/HP	☐
VSD BOX	☐
Service Area	☒
Option23a	☐
Option 293	☐
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 / HYD Kit / Heat Recovery

Family Types

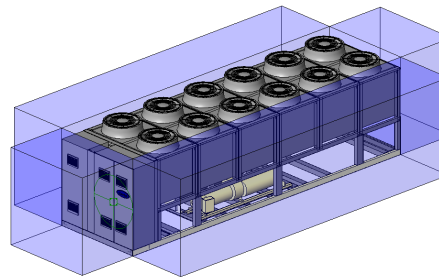
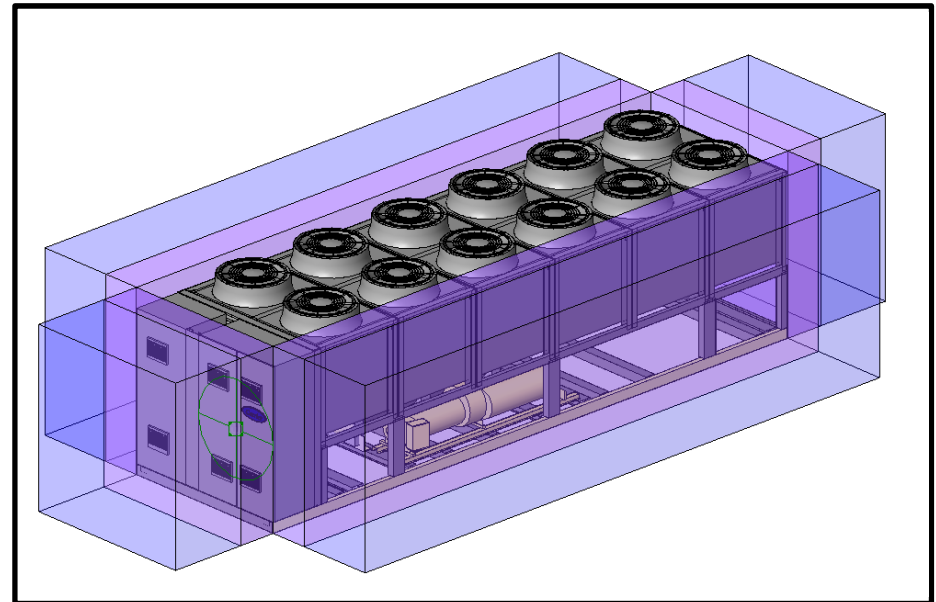
Type name: Service Area + ATEX Zone - Only ZE Units

Search parameters

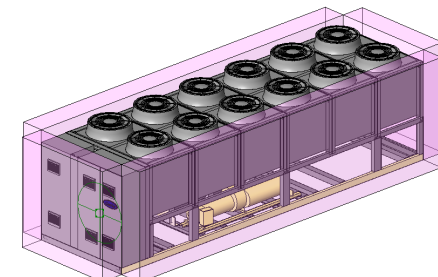
Parameter	Value
Construction	
ATEX Zone	☒
OPT266	☐
OPT266_116_HYDKIT_BP_HP	☐
OPT49+OPT325_OPT266	☐
OPT49+OPT325_OPT267	☐
OPT49_OPT267	☐
OPT50+OPT325_OPT266	☐
OPT50+OPT325_OPT267	☐
OPT50_OPT267	☐
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Pumps BP/HP	☐
VSD BOX	☐
Service Area	☒
Option23a	☐
Option 293	☐
Option 23	☐
15LS/15L	☐
Identity Data	

How do I manage family types?

OK



Service Area



ATEX Zone

Dual Combo Units

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

30KAV / 30KAVZE / 30KAVP / 30KAVPZE RANGE	Options Combinations								
	Opt 15L/LS + OPT 23	Opt 15L/LS + OPT23a	Opt 15L/LS + OPT116	OPT 23 + OPT 116	OPT 23a + OPT 116	Opt 116+ Opt 293	Opt50 + Opt325	Opt49 + Opt325	Opt 116+ Opt 266
30KAV0720-Opt119 / 30KAVZE0550-OPT119 / 30KAVP0720 / 30KAVPZE0550	x	x	x	x	x	x	x	x	x

SL NO	Revit Option	Description
1	Opt 15L/LS + OPT 23	Comp Enclosure+ Grill/panel
2	Opt 15L/LS + OPT 23a	Comp Enclosure+ panel
3	Opt 15L/LS + OPT116A	Comp Enclosure + Hydro Kit VSD(BP)
4	Opt 15L/LS + OPT116W	Comp Enclosure + Hydro Kit VSD(HP)
5	Opt 15L/LS + OPT116A/119+	Comp Enclosure + Hydro Kit (BP) For 119+ Option
6	Opt 15L/LS + OPT116W/119+	Comp Enclosure + Hydro Kit (HP) For 119+ Option
7	OPT 23 + OPT 116A	Grill/Panel + Hydro Kit VSD (BP)
8	OPT 23a + OPT 116A	Panel + Hydro Kit VSD (BP)
9	OPT 23 + OPT 116W	Grill/Panel + Hydro Kit VSD (HP)
10	OPT 23a + OPT 116W	Panel + Hydro Kit VSD (HP)
11	OPT 23 + OPT 116A/119+	Grill/Panel + Hydro Kit (BP) For 119+ Option
12	OPT 23a + OPT 116A/119+	Panel + Hydro Kit (BP) For 119+ Option
13	OPT 23 + OPT 116W/119+	Grill/Panel + Hydro Kit (HP) For 119+ Option
14	OPT 23a + OPT 116W/119+	Panel + Hydro Kit (HP) For 119+ Option
15	Opt 116A+ Opt 293	expansion tank+Hydro Kit VSD (BP)
16	Opt 116W+ Opt 293	expansion tank+Hydro Kit VSD (HP)
17	Opt 293+OPT 116A/119+	expansion tank+Hydro Kit (BP) For 119+ Option
18	Opt 293+OPT 116W/119+	expansion tank+Hydro Kit (HP) For 119+ Option
19	Opt 50 + Opt 325	Total Heat Recovery + Water Pipe
20	Opt 49 + Opt 325	Partial Heat Recovery + Water Pipe
21	Opt 116A + Opt 266	Hydro Kit (BP) + Cooler hydraulic connection
22	Opt 116W + Opt 266	Hydro Kit (HP) + Cooler hydraulic connection

Option 15/15LS+Option23

Family Types

Type name:

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Pumps BP/HP	☐	=
VSD BOX	☐	=
Service Area	☐	=
Option23a	☐	=
Option 293	☐	=
Option 23	☒	=
15LS/15L	☒	=
Identity Data		



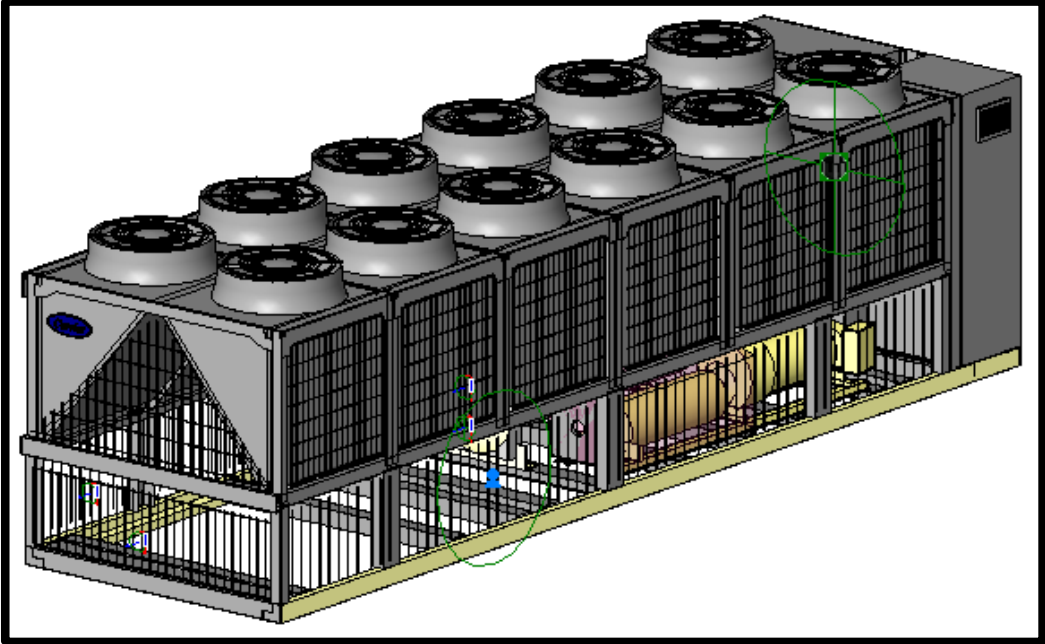






[How do I manage family types?](#)

OK



Option 15/15LS+Option23a

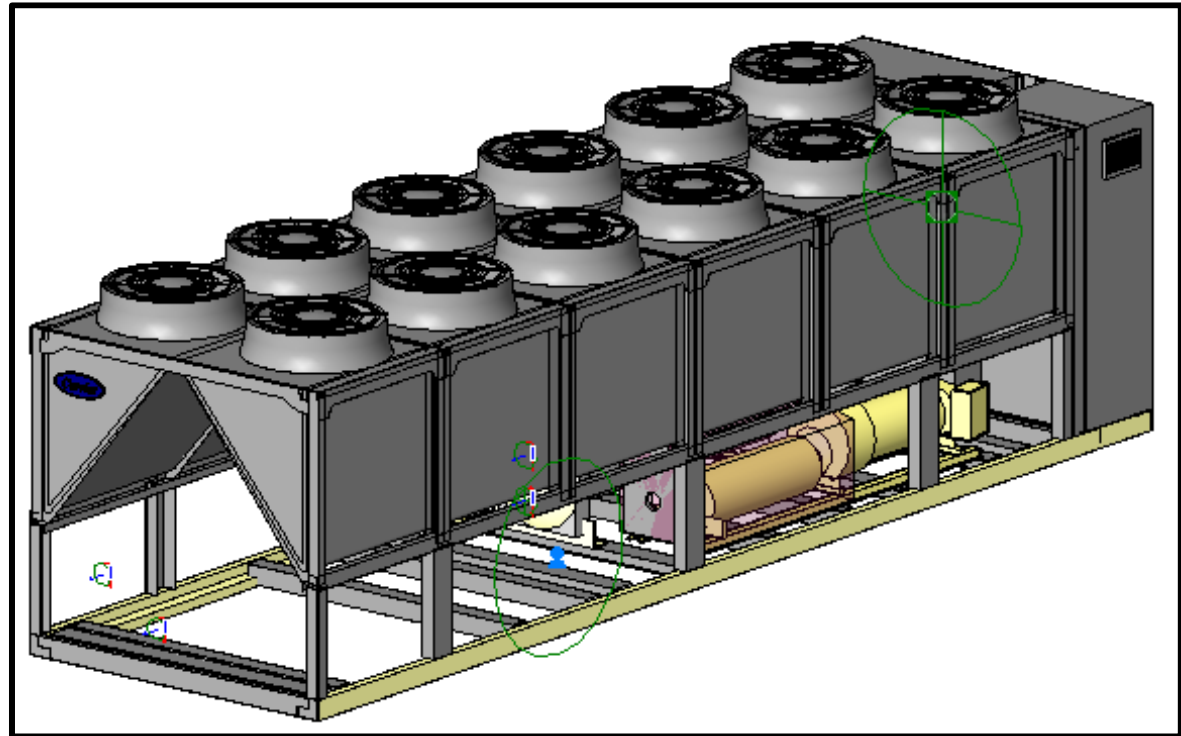
Family Types

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

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Pumps BP/HP	☐
VSD BOX	☐
Service Area	☐
Option23a	☒
Option 293	☐
Option 23	☐
15LS/15L	☒
Identity Data	

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



Option 116A+Option15/15LS

1) In this slide only 116A is shown. Same way 116W, 116A/119+, 116W/119+ is also configured

Family Types

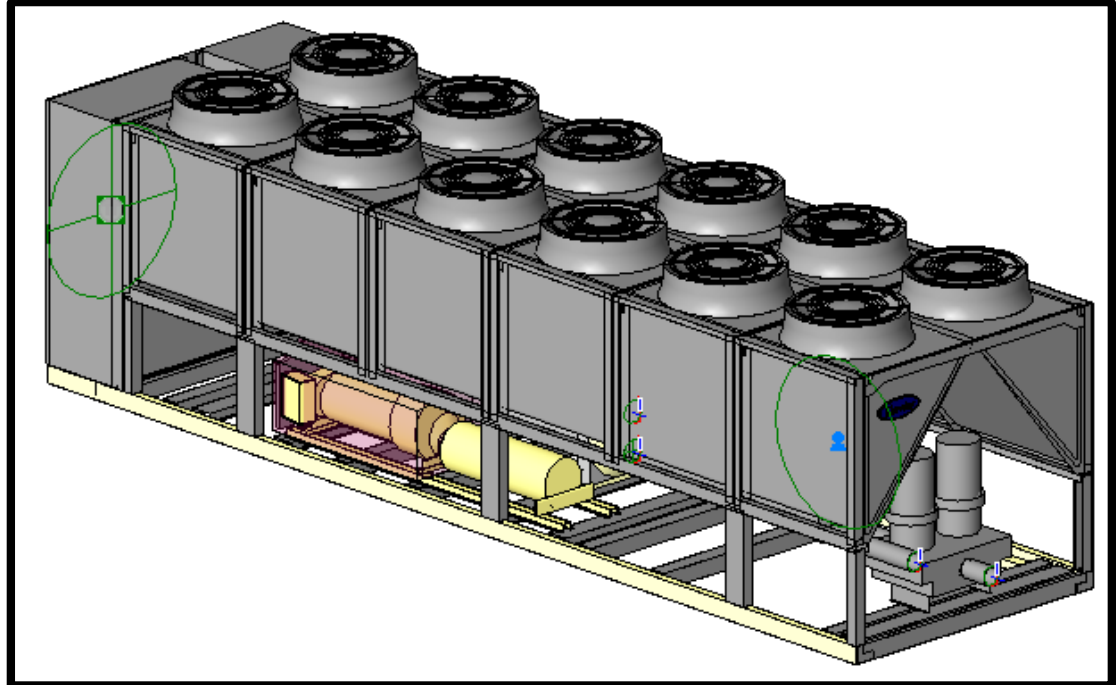
Type name:

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Pumps BP/HP	☒
VSD BOX	☒
Service Area	☐
Option23a	☐
Option 293	☐
Option 23	☐
15LS/15L	☒
Identity Data	

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



Option 116A+Option23

1) In this slide only 116A is shown. Same way 116W, 116A/119+, 116W/119+ is also configured

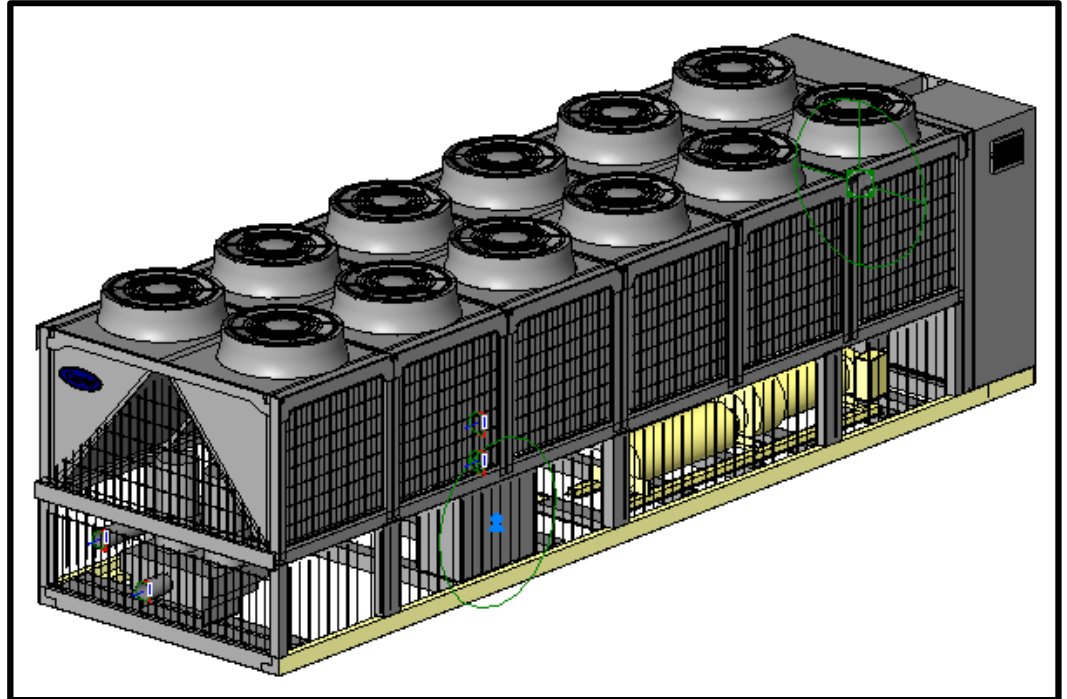
Family Types

Type name: OPT 23 + OPT 116A

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Pumps BP/HP	☒	=
VSD BOX	☒	=
Service Area	☐	=
Option23a	☐	=
Option 293	☐	=
Option 23	☒	=
15LS/15L	☐	=
Identity Data		

How do I manage family types?



Option 116A+Option23a

1) In this slide only 116A is shown. Same way 116W, 116A/119+, 116W/119+ is also configured

Family Types

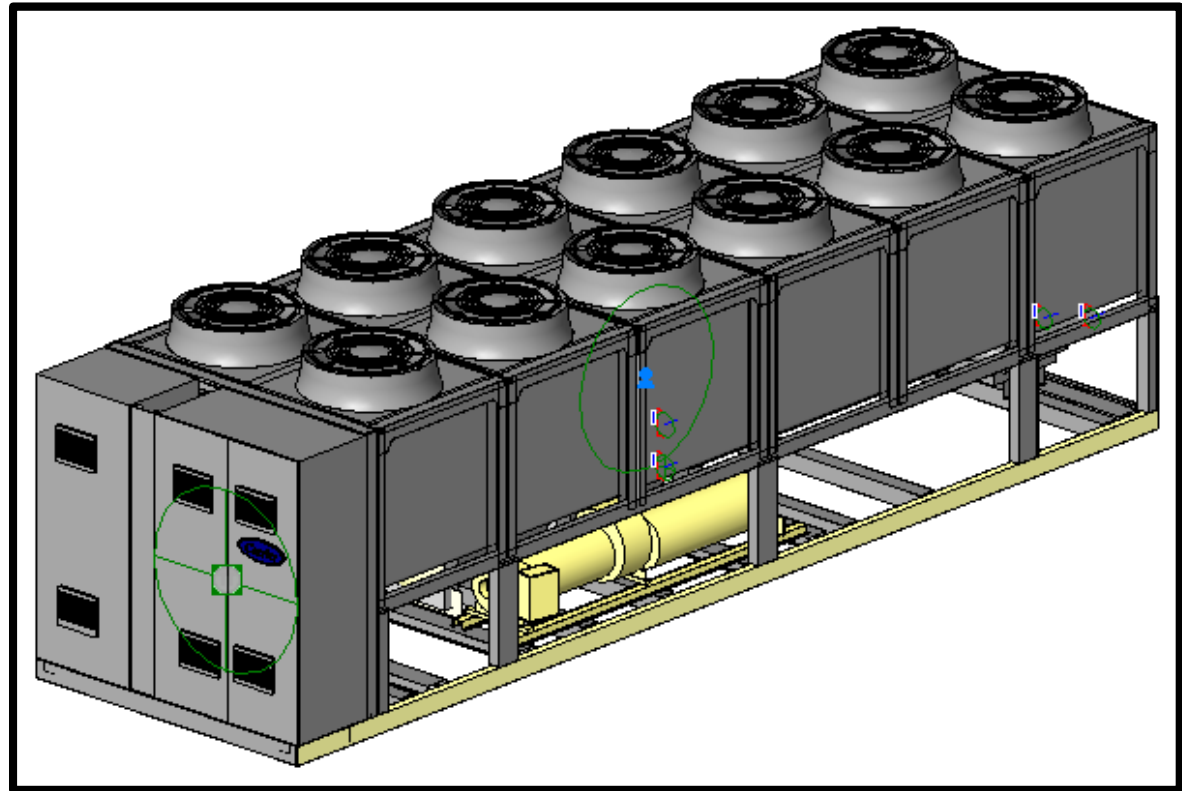
Type name: OPT 23a + OPT 116A

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Pumps BP/HP	☒
VSD BOX	☒
Service Area	☐
Option23a	☒
Option 293	☐
Option 23	☐
15LS/15L	☐
Identity Data	

How do I manage family types?

OK



Option 116+Option293

1) In this slide only 116A is shown. Same way 116W, 116A/119+, 116W/119+ is also configured

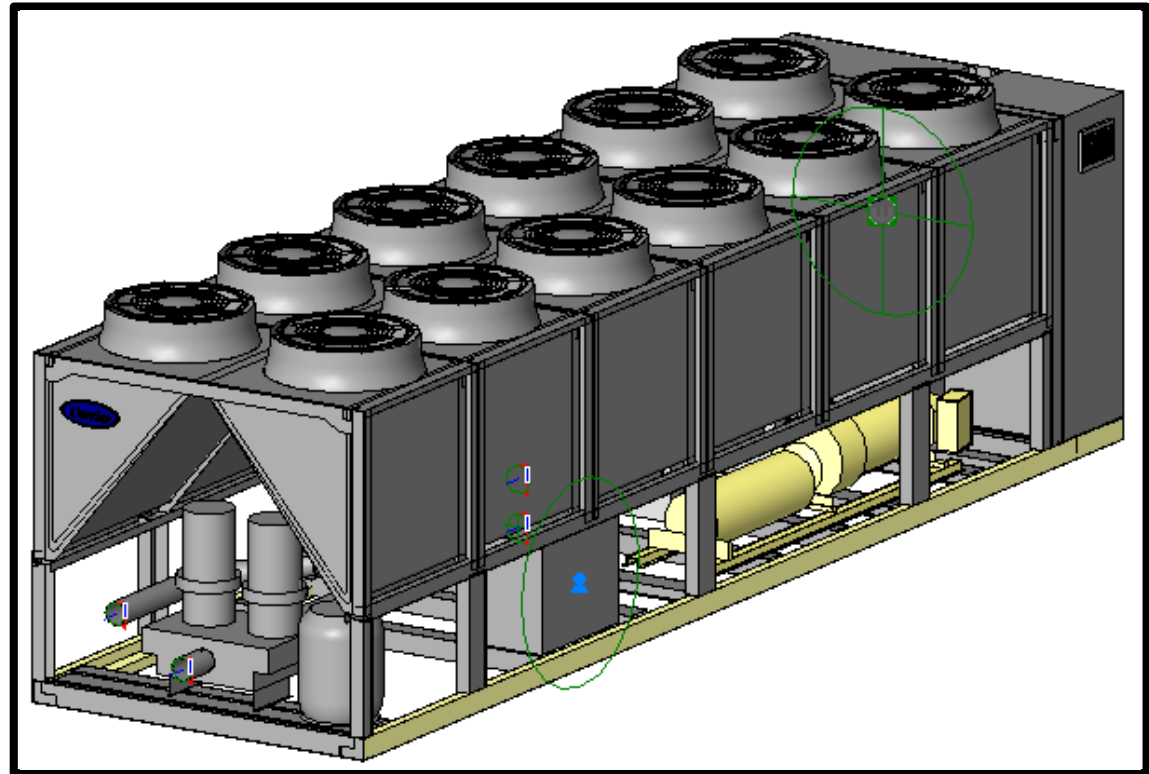
Family Types

Type name:

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Pumps BP/HP	☒
VSD BOX	☒
Service Area	☐
Option23a	☐
Option 293	☒
Option 23	☐
15LS/15L	☐
Identity Data	

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



Option50 + Option325

Family Types

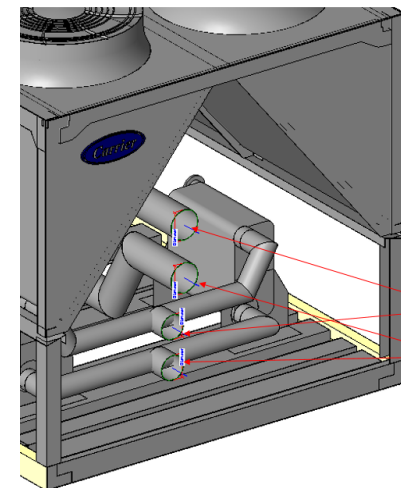
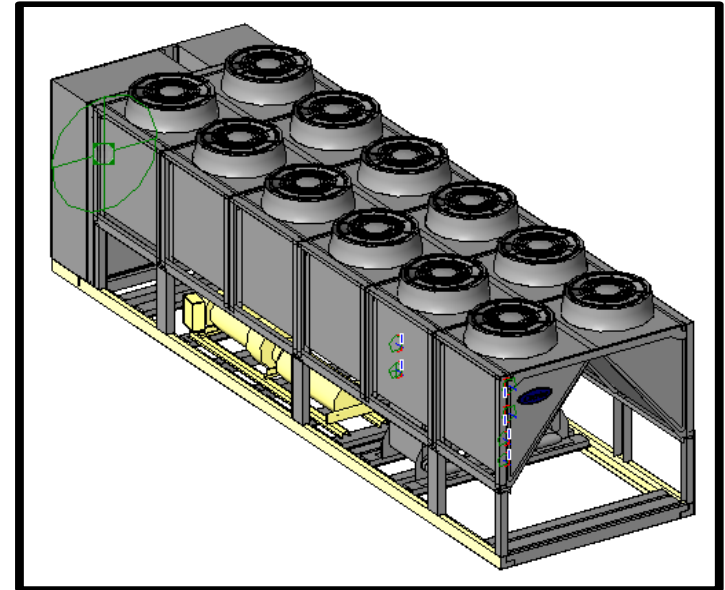
Type name: OPT50 + OPT325

Search parameters

Parameter	Value
Construction	
OPT50	☒
OPT325 for OPT50	☒
OPT49	☐
OPT325 for OPT49	☐
Pumps BP/HP	☐
VSD BOX	☐
Service Area	☐
Option23a	☐
Option 293	☐
Option 23	☐
15LS/15L	☐
Identity Data	

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



Water Outlet
Water Inlet

Option49 + Option325

Family Types

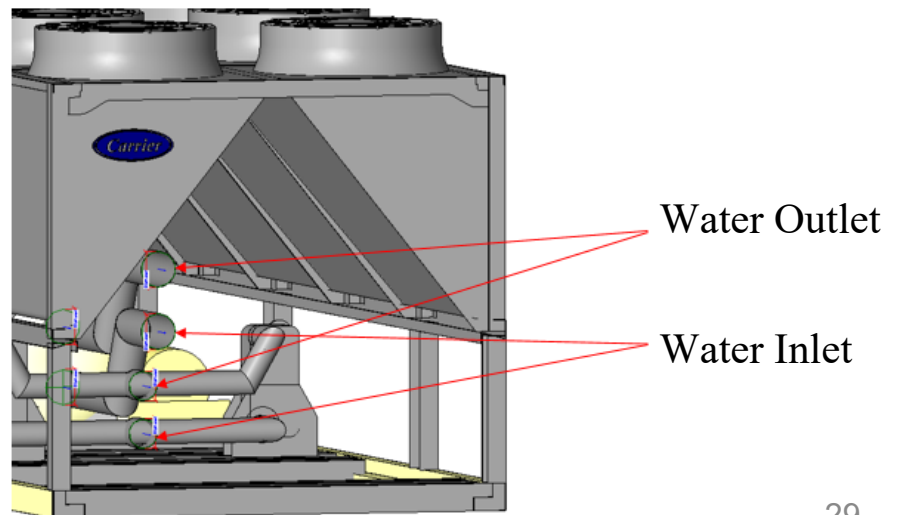
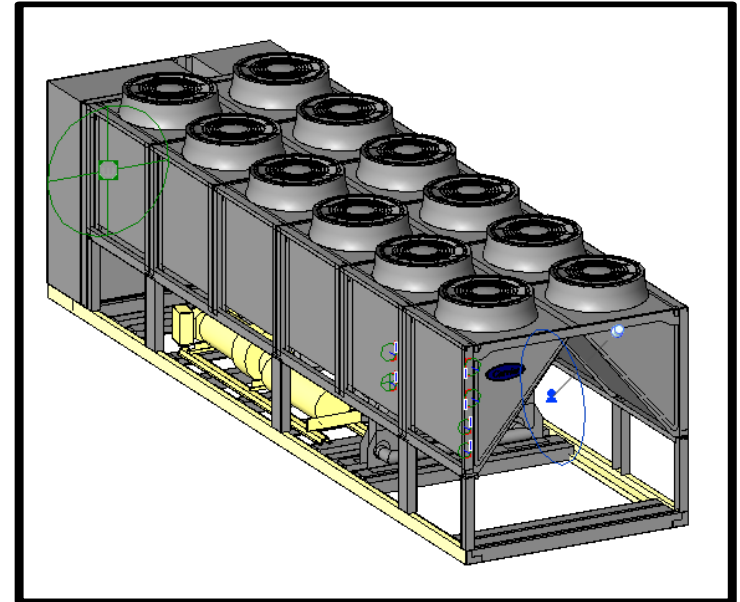
Type name: OPT49 + OPT325

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☒
OPT325 for OPT49	☒
Pumps BP/HP	☐
VSD BOX	☐
Service Area	☐
Option23a	☐
Option 293	☐
Option 23	☐
15LS/15L	☐
Identity Data	

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



Option 116 + Option 266

1) In this slide only Opt116A is shown. Same way Opt116W is also configured.

Family Types

Type name: OPT116A + OPT266

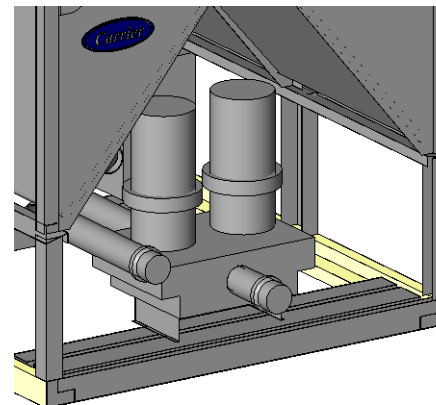
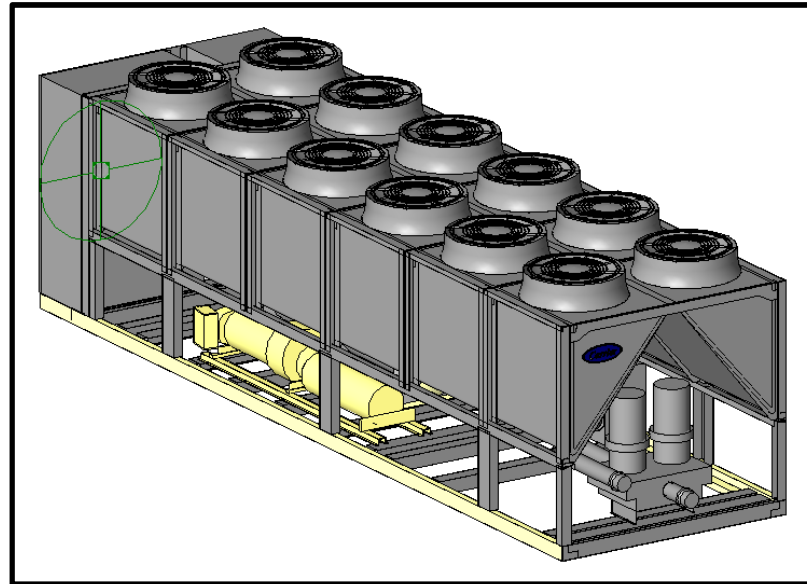
Search parameters

Parameter	Value
Construction	
ATEX Zone	☐
OPT266	☐
OPT266_116_HYDKIT_BP_HP	☒
OPT49+OPT325_OPT266	☐
OPT49+OPT325_OPT267	☐
OPT49_OPT267	☐
OPT50+OPT325_OPT266	☐
OPT50+OPT325_OPT267	☐
OPT50_OPT267	☐
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Pumps BP/HP	☒
VSD BOX	☒
Service Area	
Option23a	☐
Option 293	☐
Option 23	☐
15LS/15L	☐

<

How do I manage family types?

OK



Triple Combo Units

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

30KAV / 30KAVZE / 30KAVP / 30KAVPZE RANGE

Options Combinations

Opt 15L/LS + OPT23+Opt116

Opt 15L/LS + OPT23a+Opt116

Opt 15L/LS + OPT293+Opt116

OPT 23 + OPT 116+Opt293

OPT 23a + OPT 116+Opt293

OPT 50 + OPT 266 + Opt267

OPT 49 + OPT 266 + Opt267

30KAV0720-Opt119 / 30KAVZE0550-OPT119 /
30KAVP0720 / 30KAVPZE0550

x

x

x

x

x

x

x

SL NO	Revit Option	Description
1	Opt 15L/LS + OPT23+Opt116A	Comp Enclosure+ Grill/panel+Hydro Kit VSD(BP)
2	Opt 15L/LS + OPT23a+Opt116A	Comp Enclosure+ panel+Hydro Kit VSD(BP)
3	Opt 15L/LS + OPT23+Opt116W	Comp Enclosure+ Grill/panel+Hydro Kit VSD(HP)
4	Opt 15L/LS + OPT23a+Opt116W	Comp Enclosure+ panel+Hydro Kit VSD(HP)
5	Opt 15L/LS + OPT23+Opt116A/119+	Comp Enclosure+ Grill/panel+Hydro Kit (BP) For 119+ Option
6	Opt 15L/LS + OPT23a+Opt116A/119+	Comp Enclosure+ panel+Hydro Kit (BP) For 119+ Option
7	Opt 15L/LS + OPT23+Opt116W/119+	Comp Enclosure+ Grill/panel+Hydro Kit (HP) For 119+ Option
8	Opt 15L/LS + OPT23a+Opt116W/119+	Comp Enclosure+ panel+Hydro Kit (HP) For 119+ Option
9	Opt 15L/LS + OPT293+Opt116A	Comp Enclosure+ expansion tank+Hydro Kit VSD (BP)
10	Opt 15L/LS + OPT293+Opt116W	Comp Enclosure+ expansion tank+Hydro Kit VSD (HP)
11	Opt 15L/LS + OPT293+Opt116A/119+	Comp Enclosure+ expansion tank+Hydro Kit (BP) For 119+ Option
12	Opt 15L/LS + OPT293+Opt116W/119+	Comp Enclosure+ expansion tank+Hydro Kit (HP) VSD For 119+ Option
13	OPT 23/23a + OPT 116A+Opt293	Grill/panel+ expansion tank+Hydro Kit (BP)
14	OPT 23/23a +Opt293+ Opt 116A/119+	Grill/panel+ expansion tank+Hydro Kit (BP) Option For 119+
15	OPT 23/23a +Opt293+ Opt 116W/119+	Grill/panel+ expansion tank+Hydro Kit (HP) For 119+ Option
16	OPT 23/23a + OPT 116W+Opt293	Grill/panel+ expansion tank+Hydro Kit (HP)
17	OPT 50 + OPT 266 + Opt267	Total Heat Recovery + Cooler hydraulic connection + BPHE hydraulic connection
18	OPT 49 + OPT 266 + Opt267	Partial Heat Recovery + Cooler hydraulic connection + BPHE hydraulic connection

Option 15L/15LS+Option23 + Option116

1) In this slide only 116A is shown. Same way 116W, 116A/119+, 116W/119+ is also configured

Family Types

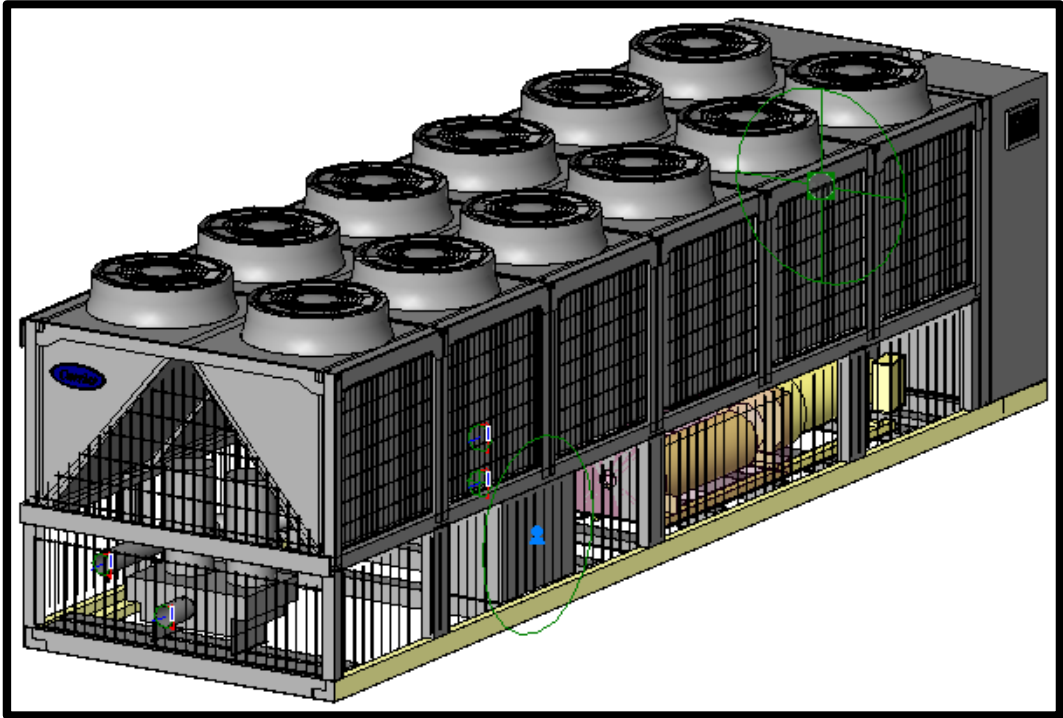
Type name: OPT 15/15LS +Opt23+ Opt116A/119+

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Pumps BP/HP	☒	=
VSD BOX	☐	=
Service Area	☐	=
Option23a	☐	=
Option 293	☐	=
Option 23	☒	=
15LS/15L	☒	=
Identity Data		

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

OK



Option 15L/15LS+Option23a + Option116

1) In this slide only 116A is shown. Same way 116W, 116A/119+, 116W/119+ is also configured

Family Types

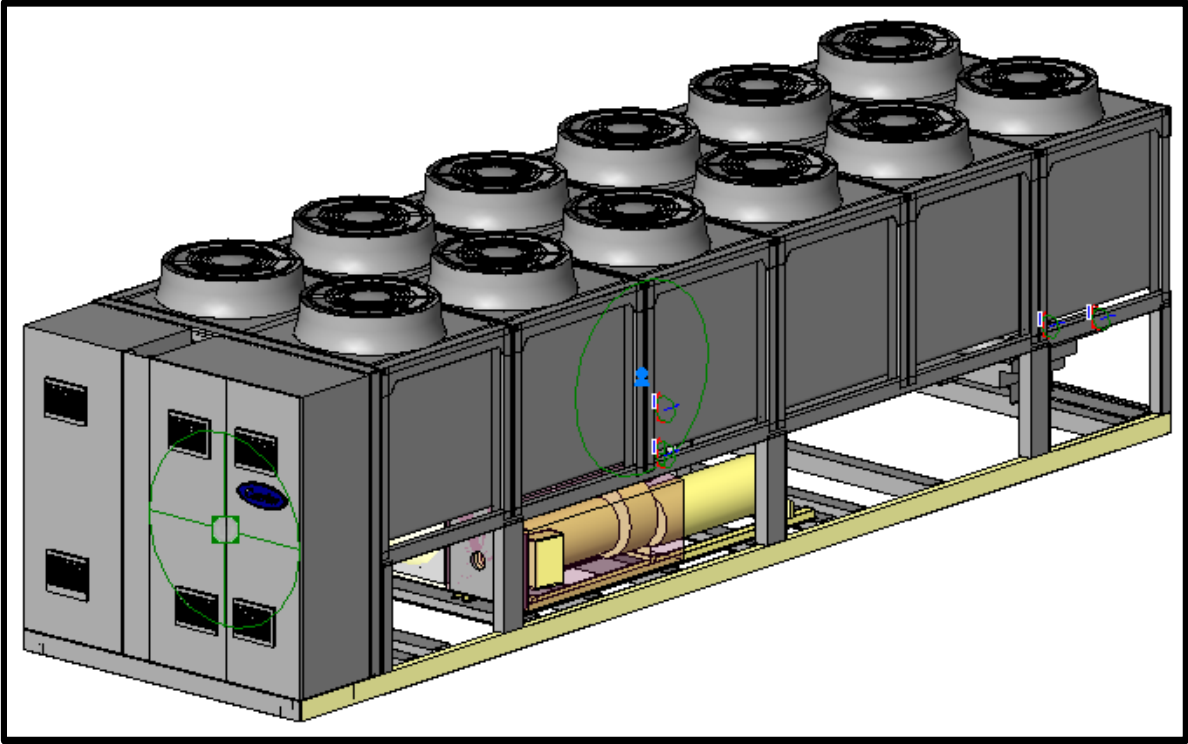
Type name:

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Pumps BP/HP	☒	=
VSD BOX	☒	=
Service Area	☐	=
Option23a	☒	=
Option 293	☐	=
Option 23	☐	=
15LS/15L	☒	=
Identity Data		

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

OK



Option 15L/15LS+Option293 + Option116

1) In this slide only 116A is shown. Same way 116W, 116A/119+, 116W/119+ is also configured

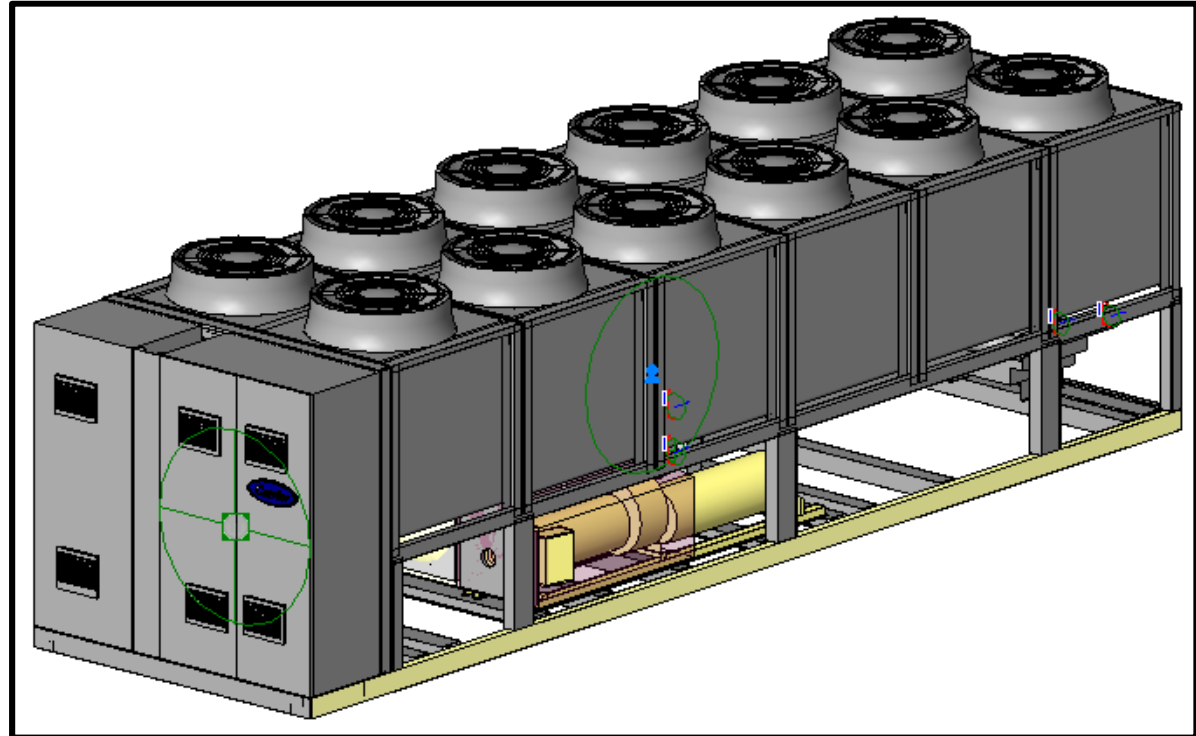
Family Types

Type name: OPT 15/15LS +Opt293+ Opt116A

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Pumps BP/HP	☒
VSD BOX	☒
Service Area	☐
Option23a	☐
Option 293	☒
Option 23	☐
15LS/15L	☒
Identity Data	

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



OPT 23+ OPT 116+Opt293

1) In this slide only 116A is shown. Same way 116W, 116A/119+, 116W/119+ is also configured

Family Types

Type name:

Search parameters

Parameter	Value
Construction	
OPT50	☐ =
OPT325 for OPT50	☐ =
OPT49	☐ =
OPT325 for OPT49	☐ =
Pumps BP/HP	☒ =
VSD BOX	☒ =
Service Area	☐ =
Option23a	☐ =
Option 293	☒ =
Option 23	☒ =
15LS/15L	☐ =
Identity Data	

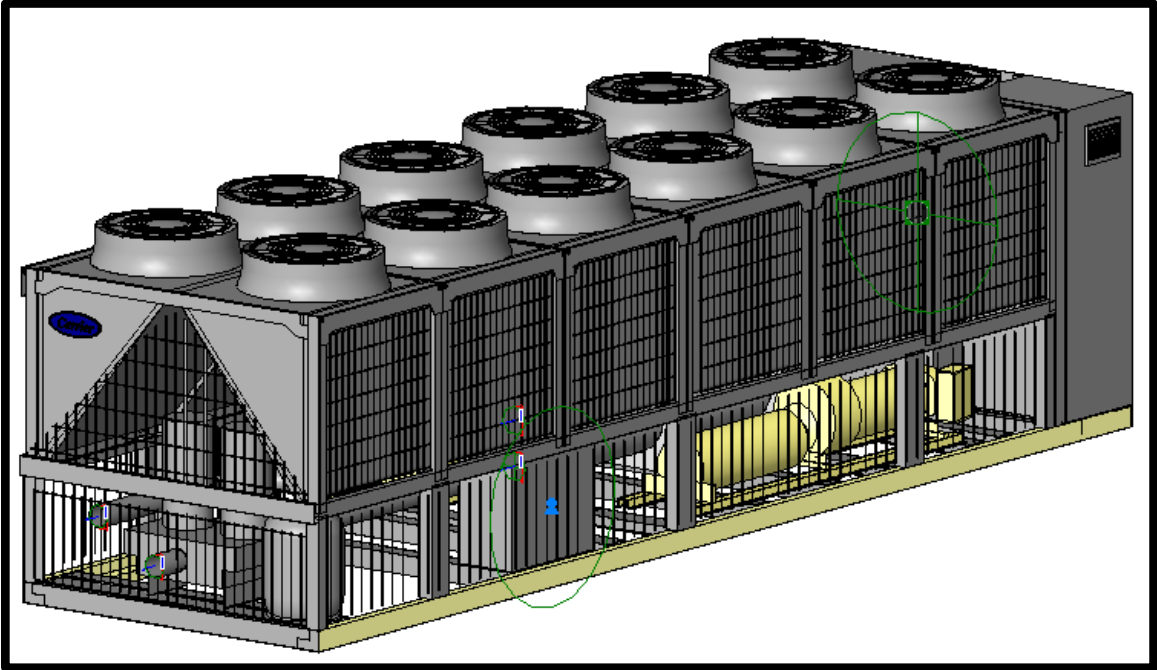








[How do I manage family types?](#) OK



OPT 23a+ OPT 116+Opt293

1) In this slide only 116A is shown. Same way 116W, 116A/119+, 116W/119+ is also configured

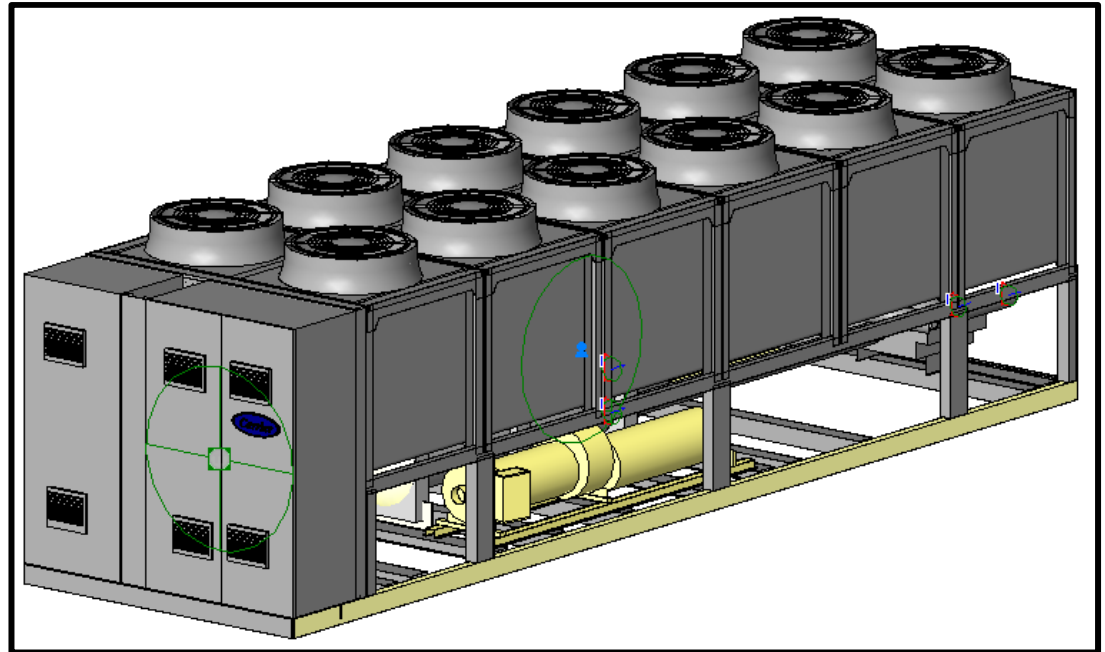
Family Types

Type name:

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Pumps BP/HP	☒
VSD BOX	☒
Service Area	☐
Option23a	☒
Option 293	☒
Option 23	☐
15LS/15L	☐
Identity Data	

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



OPT 50 + OPT 266 + Opt267

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

Family Types

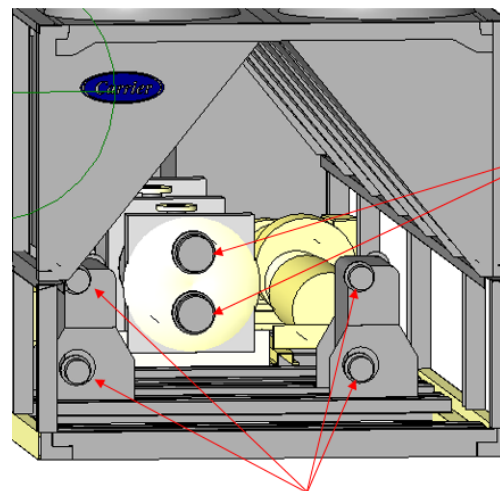
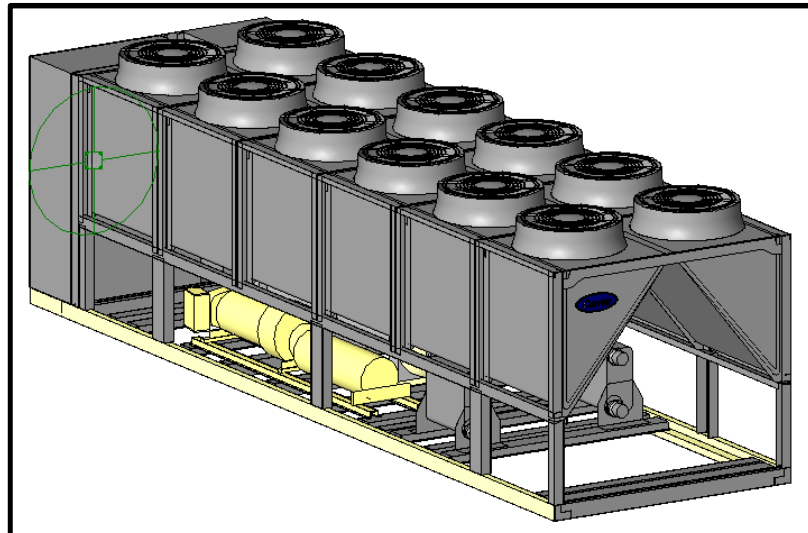
Type name: OPT50 + OPT266 + OPT267

Search parameters

Parameter	Value
Construction	
ATEX Zone	☐
OPT266	☒
OPT266_116_HYDKIT_BP_HP	☐
OPT49+OPT325_OPT266	☐
OPT49+OPT325_OPT267	☐
OPT49_OPT267	☐
OPT50+OPT325_OPT266	☐
OPT50+OPT325_OPT267	☐
OPT50_OPT267	☒
OPT50	☒
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Pumps BP/HP	☐
VSD BOX	☐
Service Area	☐
Option23a	☐
Option 293	☐
Option 23	☐
15LS/15L	☐

How do I manage family types?

OK



Opt 266

Opt 267

4 Combo Units

<i>30KAV / 30KAVZE / 30KAVP / 30KAVPZE REVIT DATABASE</i>				
<u>30KAV / 30KAVZE / 30KAVP / 30KAVPZE RANGE</u>	<u>Options Combinations</u>			
	Opt 15L/LS + OPT23+Opt116+OPT293	Opt 15L/LS + OPT23a+Opt116+OPT293	Opt 50 + Opt 325 + Opt266 + Opt267	Opt 49 + Opt 325 + Opt266 + Opt267
30KAV0720-Opt119 / 30KAVZE0550-OPT119 / 30KAVP0720 / 30KAVPZE0550	x	x	x	x

SL NO	Revit Option	Description
1	Opt 15L/LS + OPT23+Opt116A+OPT293	Comp Enclosure+ Grill/panel+expansion tank+Hydro Kit VSD (BP)
2	Opt 15L/LS + OPT23a+Opt116A+OPT293	Comp Enclosure+ panel+expansion tank+Hydro Kit VSD (BP)
3	Opt 15L/LS + OPT23+OPT293+Opt116A/119+	Comp Enclosure+ Grill/panel+expansion tank+Hydro Kit (BP) For 119+ Option
4	Opt 15L/LS + OPT23a+OPT293+Opt116A/119+	Comp Enclosure+ panel+expansion tank+Hydro Kit (BP) For 119+ Option
5	Opt 15L/LS + OPT23+OPT293+Opt116W/119+	Comp Enclosure+ Grill/panel+expansion tank+Hydro Kit (HP) For 119+ Option
6	Opt 15L/LS + OPT23a+OPT293+Opt116W/119+	Comp Enclosure+ panel+expansion tank+Hydro Kit (HP) For 119+ Option
7	Opt 15L/LS + OPT23+Opt116W+OPT293	Comp Enclosure+ Grill/panel+expansion tank+Hydro Kit VSD (BP)
8	Opt 15L/LS + OPT23a+Opt116W+OPT293	Comp Enclosure+ panel+expansion tank+Hydro Kit VSD (BP)
9	OPT 50 + OPT325 + OPT 266 + Opt267	Total Heat Recovery + Water pipe + Cooler hydraulic connection + BPHE hydraulic connection
10	OPT 49 + OPT325 + OPT 266 + Opt267	Partial Heat Recovery + Water pipe + Cooler hydraulic connection + BPHE hydraulic connection

Opt 15L/LS + OPT23+Opt116 +OPT293

1) In this slide only 116A is shown. Same way 116W, 116A/119+, 116W/119+ is also configured

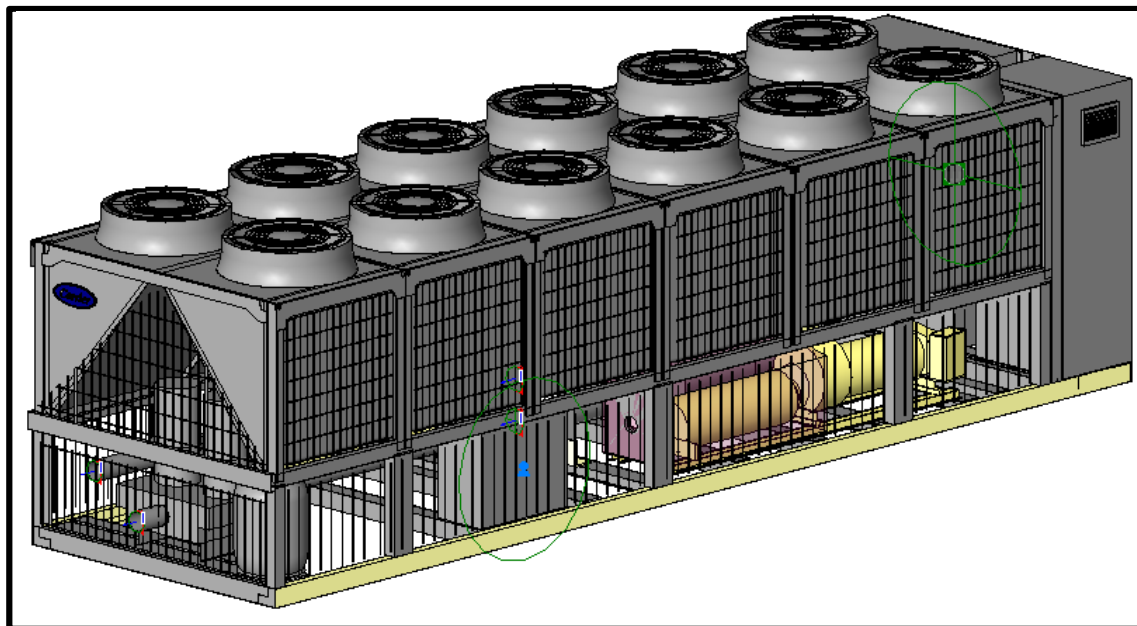
Family Types

Type name:

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Pumps BP/HP	☒
VSD BOX	☒
Service Area	☐
Option23a	☐
Option 293	☒
Option 23	☒
15LS/15L	☒
Identity Data	

How do I manage family types?



Opt 15L/LS + OPT23a+Opt116 +OPT293

1) In this slide only 116A is shown. Same way 116W, 116A/119+, 116W/119+ is also configured

Family Types

Type name:

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Pumps BP/HP	☒	=
VSD BOX	☒	=
Service Area	☐	=
Option23a	☒	=
Option 293	☒	=
Option 23	☐	=
15LS/15L	☒	=
Identity Data		

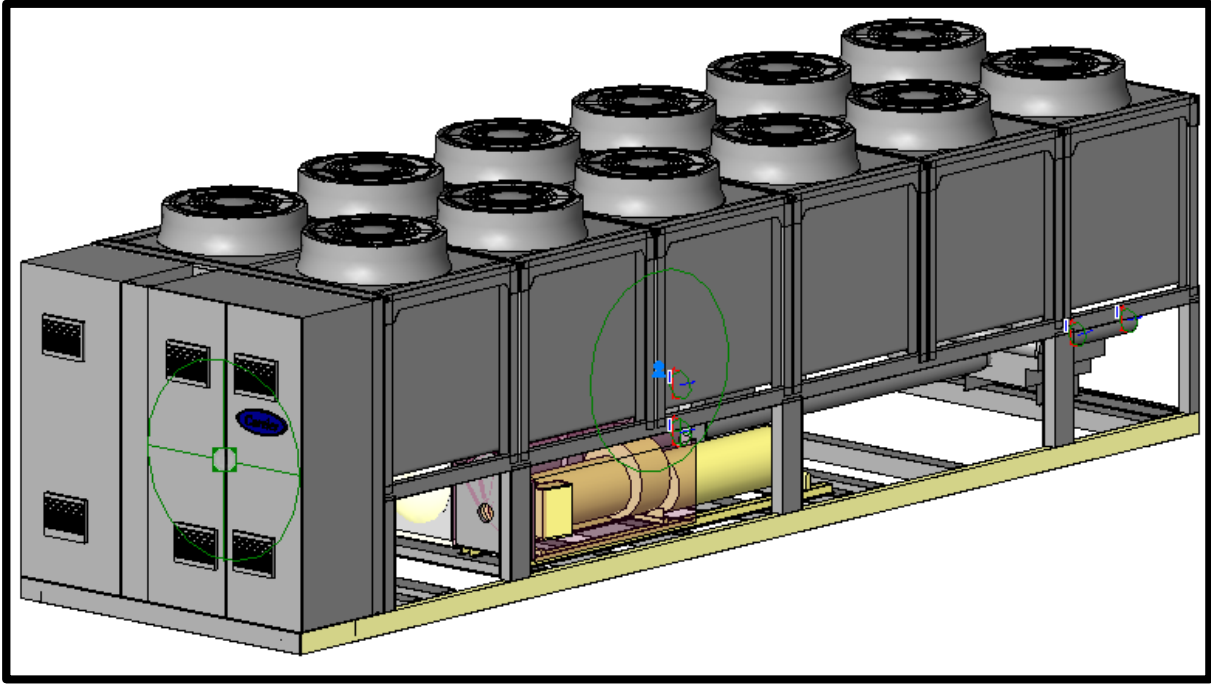








[How do I manage family types?](#) OK



OPT 50 + OPT325 + OPT 266 + Opt267

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

Family Types

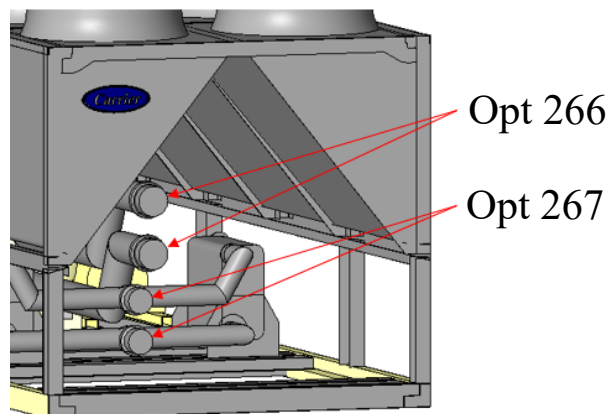
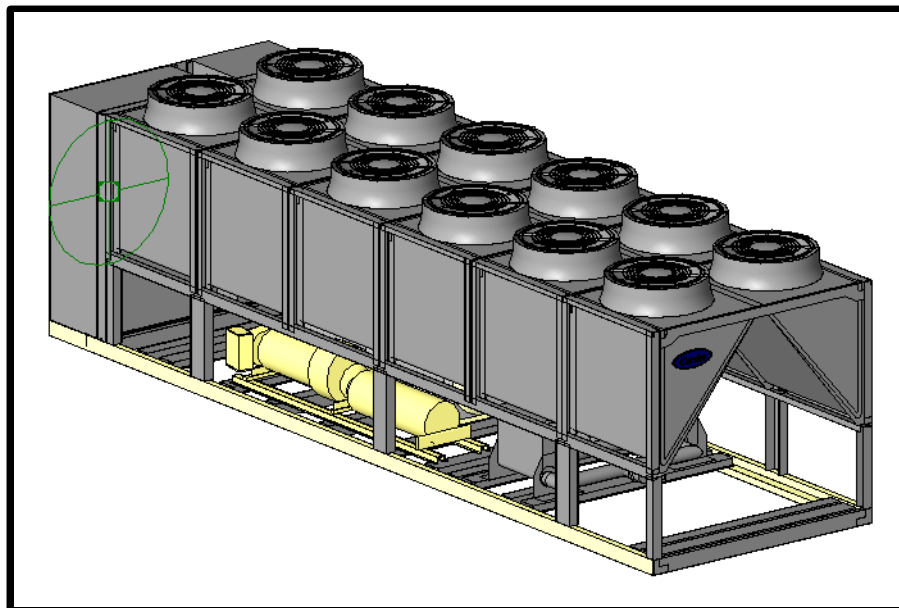
Type name: OPT50 + OPT325 + OPT266 + OPT267

Search parameters

Parameter	Value
Construction	
ATEX Zone	☐
OPT266	☐
OPT266_116_HYDKIT_BP_HP	☐
OPT49+OPT325_OPT266	☐
OPT49+OPT325_OPT267	☐
OPT49_OPT267	☐
OPT50+OPT325_OPT266	☒
OPT50+OPT325_OPT267	☒
OPT50_OPT267	☐
OPT50	☒
OPT325 for OPT50	☒
OPT49	☐
OPT325 for OPT49	☐
Pumps BP/HP	☐
VSD BOX	☐
Service Area	
Option23a	☐
Option 293	☐
Option 23	☐
15LS/15L	☐

<

How do I manage family types? OK



IMPORTANT:-

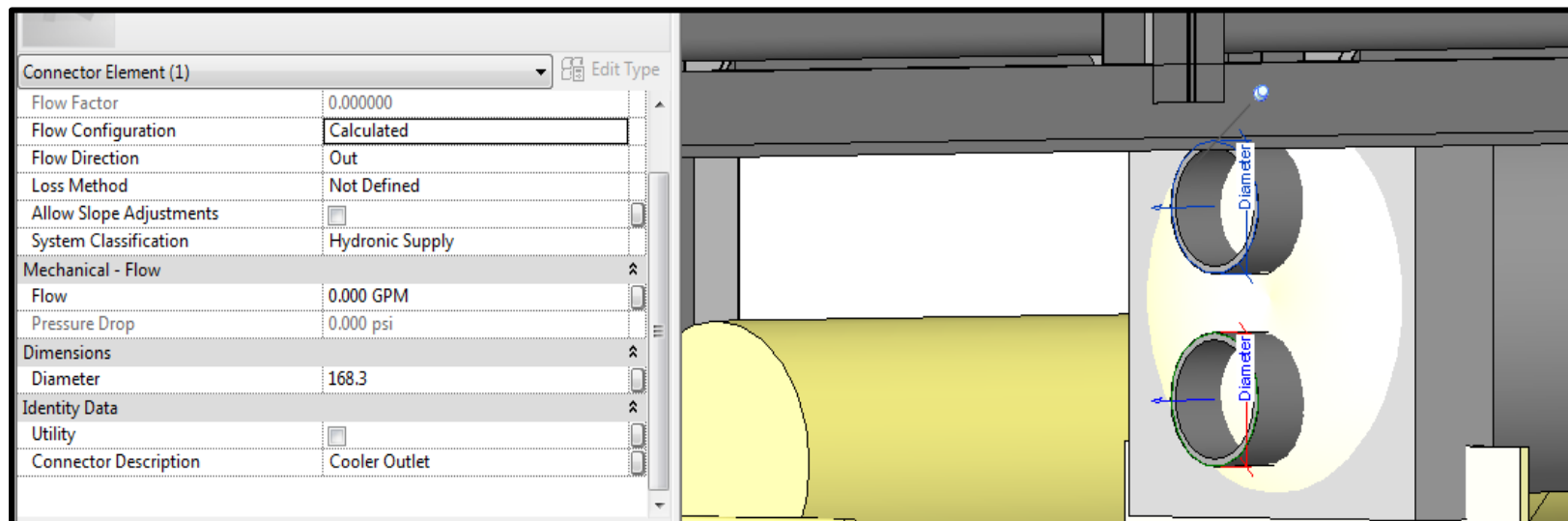
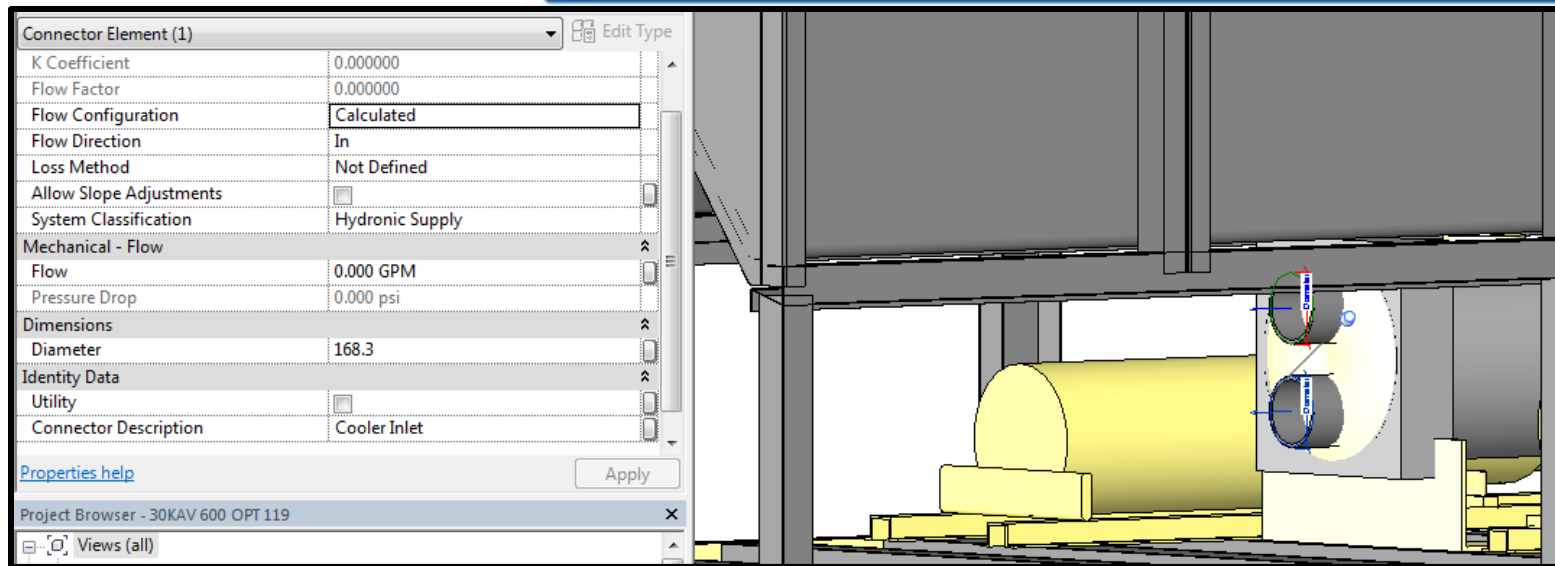
Connectors Used-

- 1) Cooler Inlet /Outlet
- 2) Chiller Inlet/ Pump Inlet.
- 3) Chiller Outlet.
- 4) Total Heat Recovery (Opt50) Inlet / Outlet
- 5) Partial Heat Recovery (Opt49) Inlet / Outlet
- 6) Total Heat Recovery (Opt50) + Opt325 Inlet / Outlet
- 7) Partial Heat Recovery (Opt49) + Opt325 Inlet / Outlet
- 8) 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



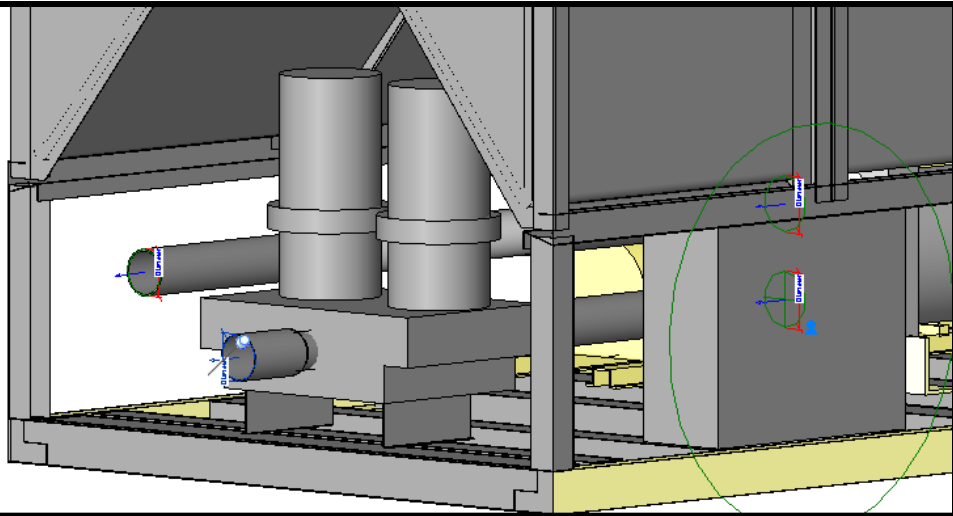
Chiller Inlet / Outlet (Customer Connection)

Connector Element (1) Edit Type

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
Dimensions	
Diameter	139.7
Identity Data	
Utility	☐
Connector Description	Chiller Inlet

[Properties help](#) Apply

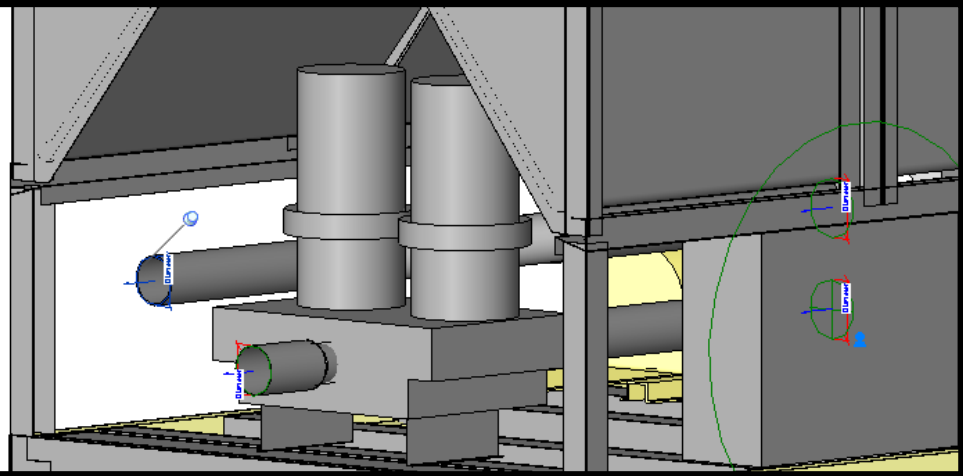
Project Browser - 30KAV800 X



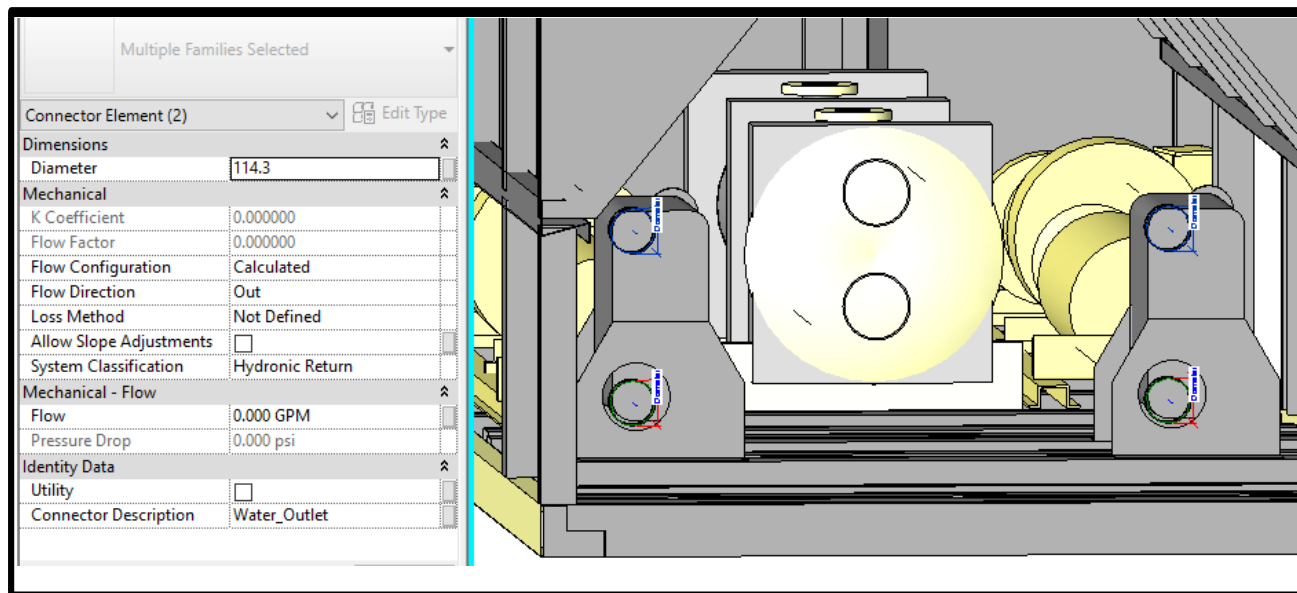
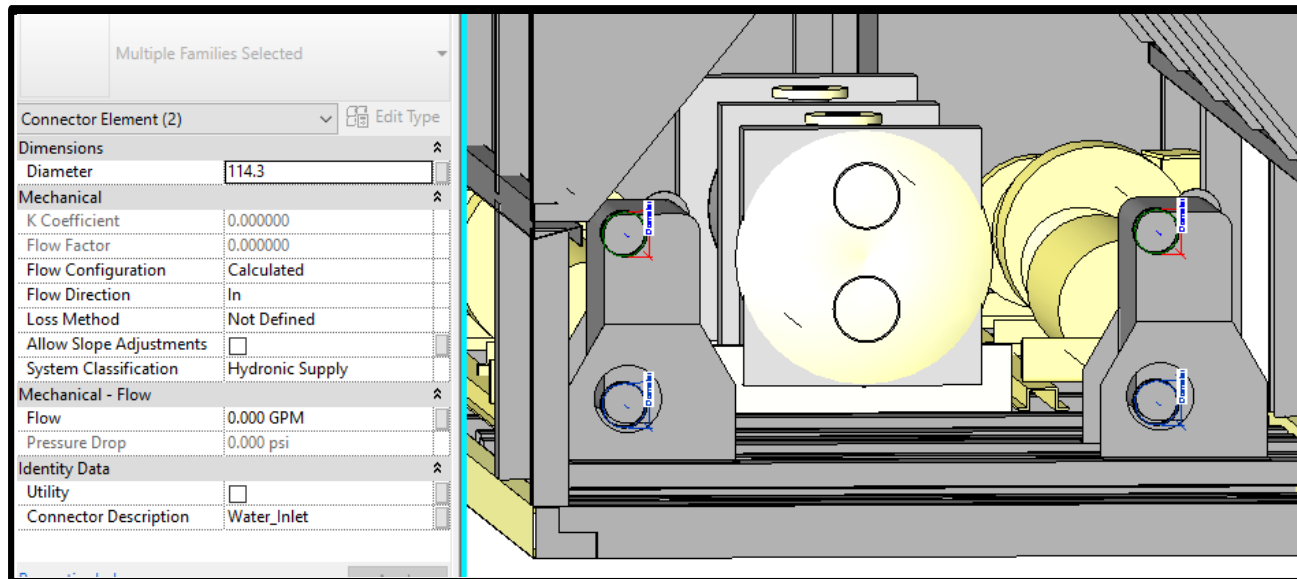
Connector Element (1) Edit Type

Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	Out
Loss Method	Not Defined
Allow Slope Adjustments	☐
System Classification	Hydronic Supply
Mechanical - Flow	
Flow	0.000 GPM
Pressure Drop	0.000 psi
Dimensions	
Diameter	139.7
Identity Data	
Utility	☐
Connector Description	Chiller Outlet

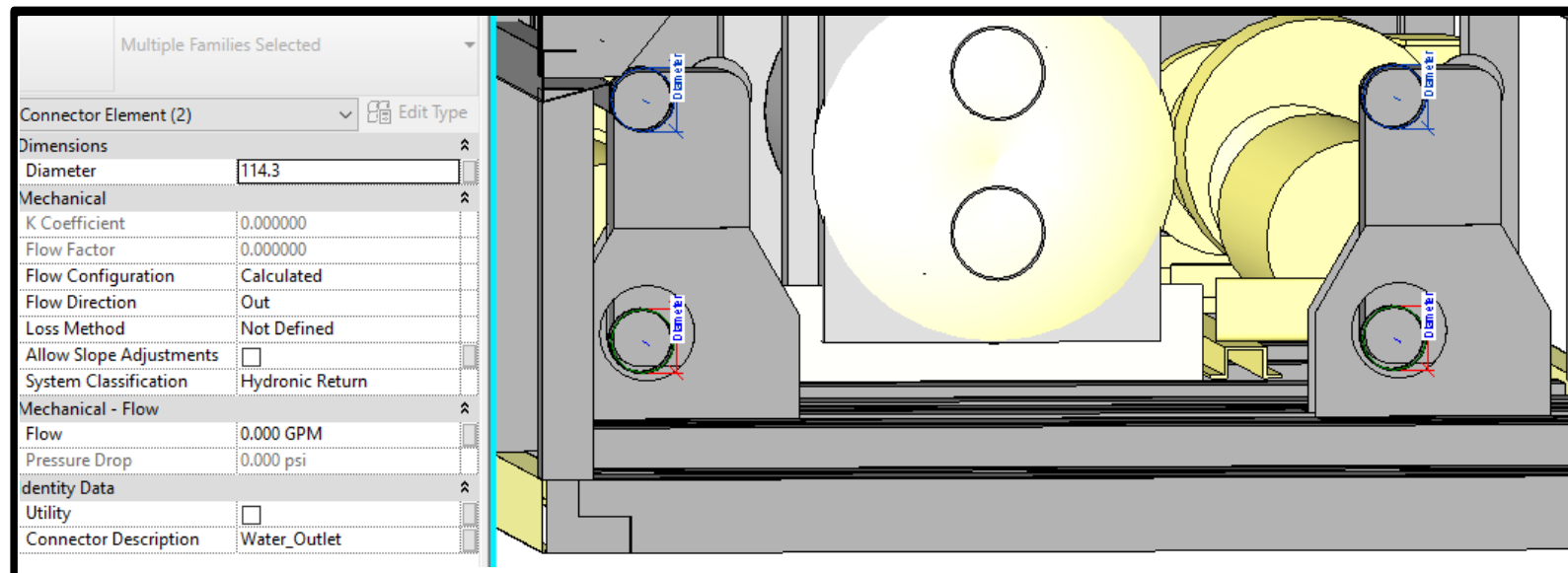
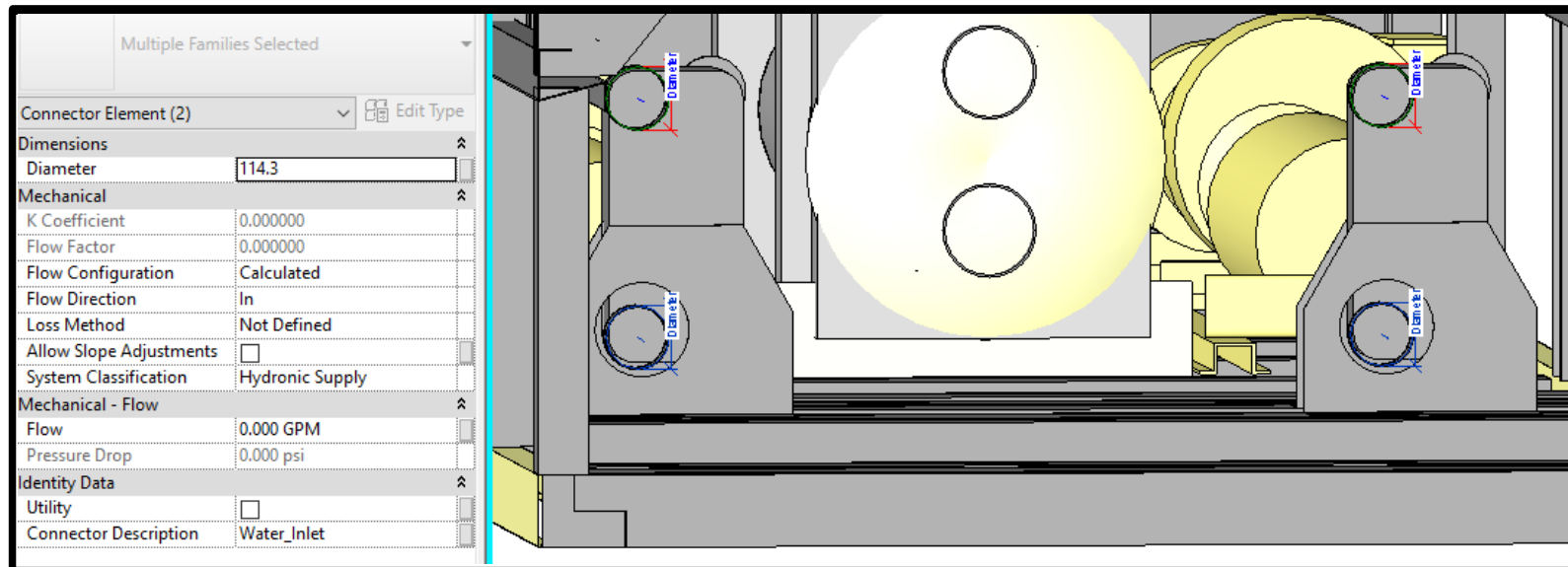
[Properties help](#) Apply



Total Heat Recovery (Opt50) Inlet / Outlet



Partial Heat Recovery (Opt49) Inlet / Outlet



Total Heat Recovery (Opt50) + Opt325 Inlet / Outlet

R

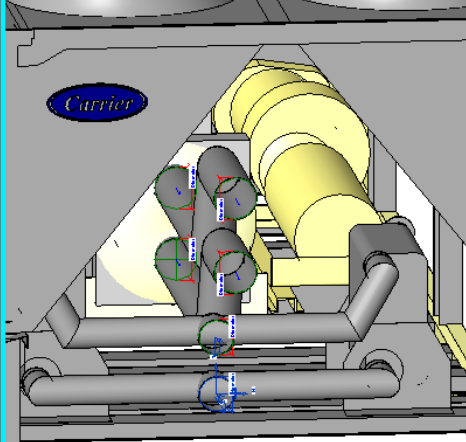
Connector Element (1) Edit Type

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

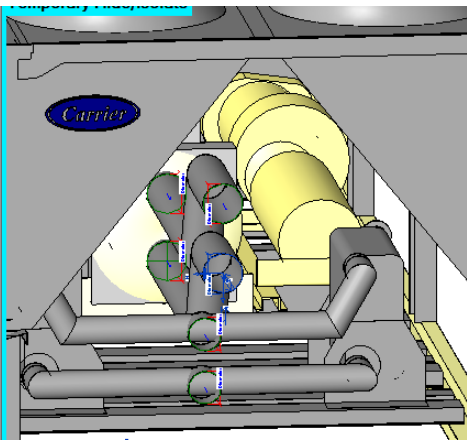
Connector Element (1) Edit Type

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

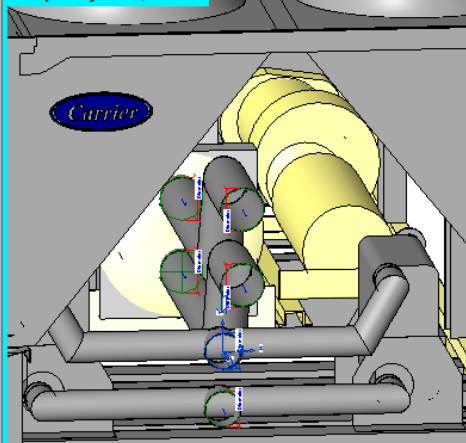
Connector Element (1) Edit Type

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

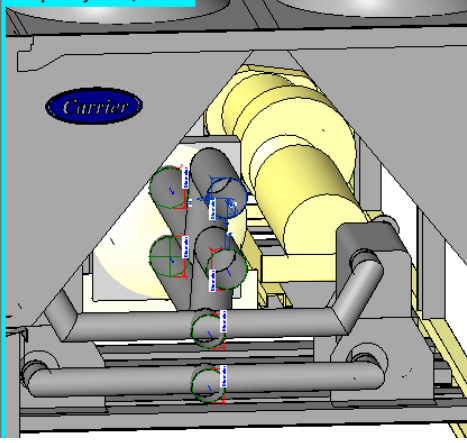
Connector Element (1) Edit Type

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



Partial Heat Recovery (Opt49) + Opt325 Inlet / Outlet

R

Connector Element (1) Edit Type

Dimensions

Diameter

Mechanical

K Coefficient

Flow Factor

Flow Configuration

Flow Direction

Loss Method

Allow Slope Adjustments ☐

System Classification

Mechanical - Flow

Flow

Pressure Drop

Identity Data

Utility ☐

Connector Description

R

Connector Element (1) Edit Type

Dimensions

Diameter

Mechanical

K Coefficient

Flow Factor

Flow Configuration

Flow Direction

Loss Method

Allow Slope Adjustments ☐

System Classification

Mechanical - Flow

Flow

Pressure Drop

Identity Data

Utility ☐

Connector Description

R

Connector Element (1) Edit Type

Dimensions

Diameter

Mechanical

K Coefficient

Flow Factor

Flow Configuration

Flow Direction

Loss Method

Allow Slope Adjustments ☐

System Classification

Mechanical - Flow

Flow

Pressure Drop

Identity Data

Utility ☐

Connector Description

R

Connector Element (1) Edit Type

Dimensions

Diameter

Mechanical

K Coefficient

Flow Factor

Flow Configuration

Flow Direction

Loss Method

Allow Slope Adjustments ☐

System Classification

Mechanical - Flow

Flow

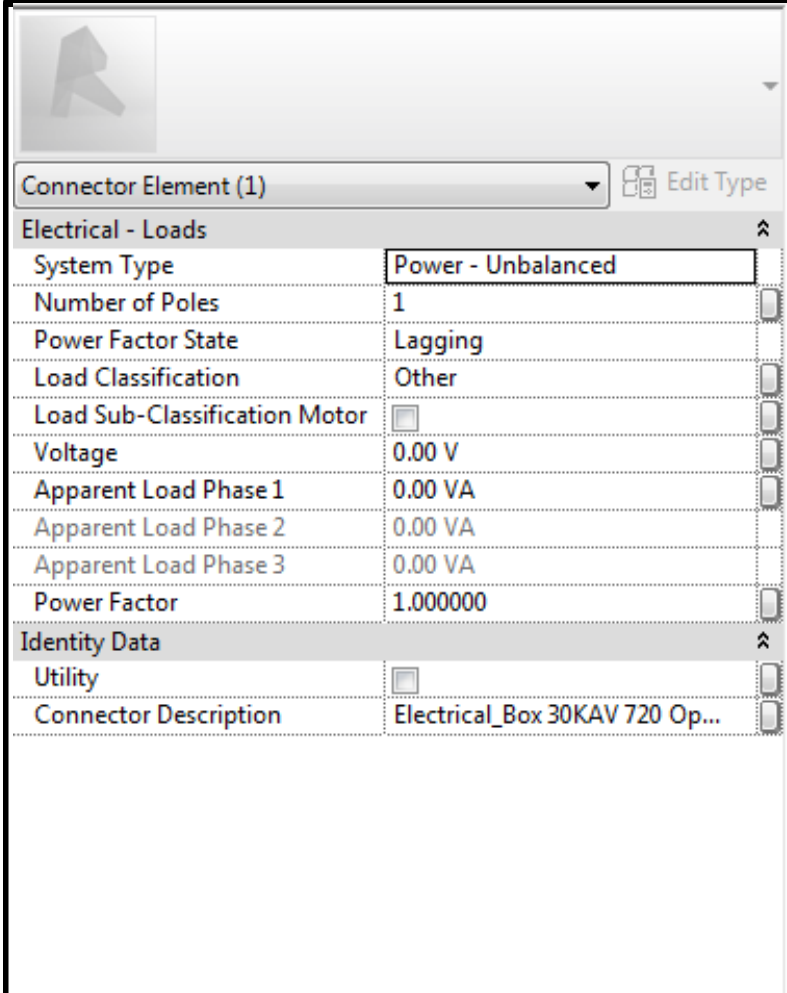
Pressure Drop

Identity Data

Utility ☐

Connector Description

Electrical Box Connection



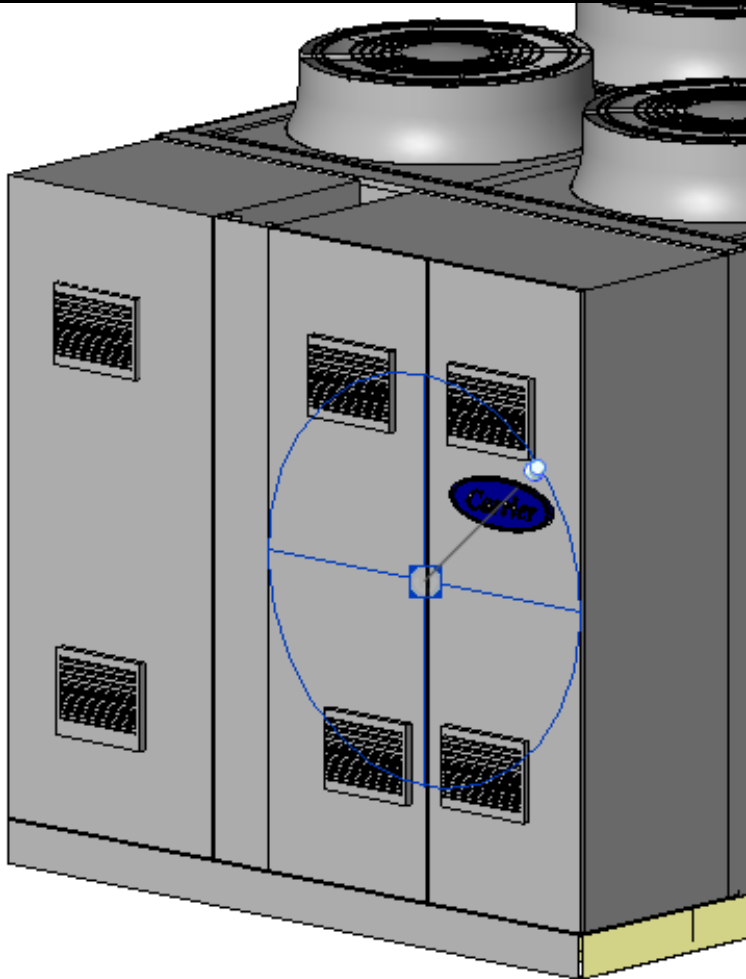
Connector Element (1)  Edit Type

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

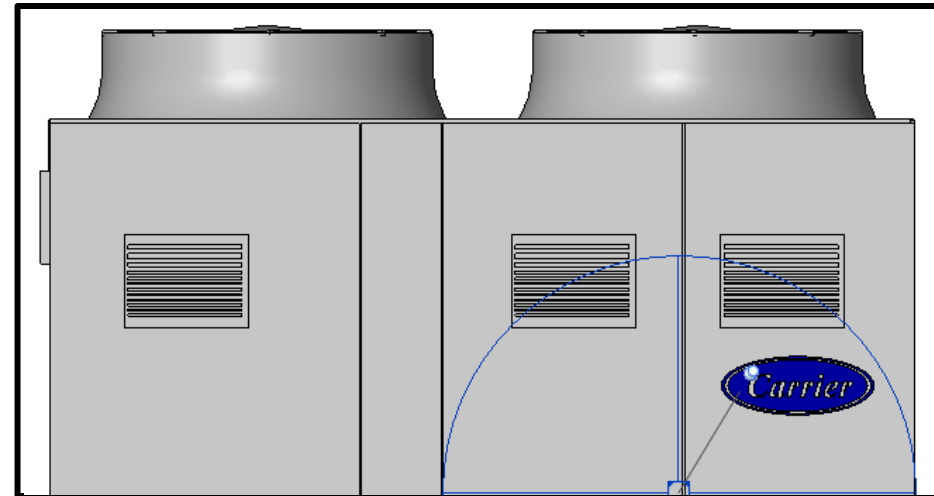
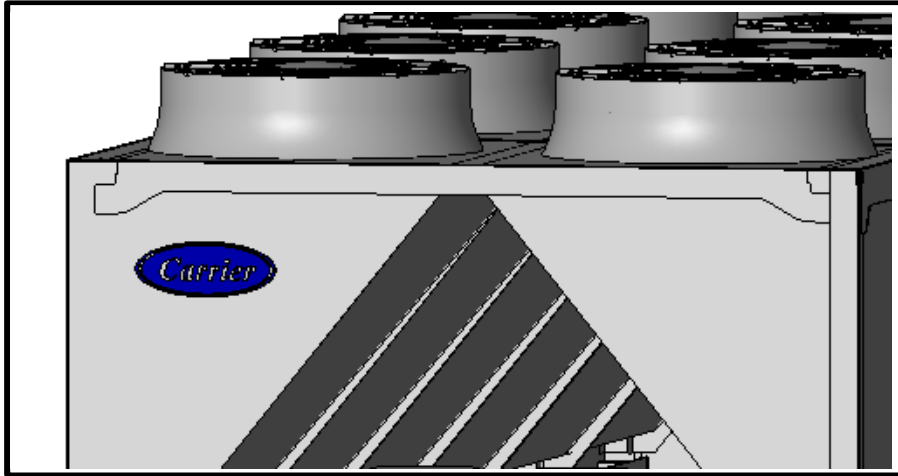
Identity Data

Utility	☐
Connector Description	Electrical_Box 30KAV 720 Op...



A 3D perspective view of a grey electrical box with two large circular cooling fans on top. The front panel features four rectangular access ports. A blue schematic diagram is overlaid on the front panel, showing a central square node connected to four circular nodes, each positioned near one of the access ports. A blue oval labeled 'Center' is located near the top-right circular node.

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

отгрузки в транспортную компанию

Технические данные файла

Документ: Схема Carrier 30KAV/30KAVP, чиллеры с воздушным охлаждением: BIM-модель Revit 30KAV0720-OPT119 / 30KAVZE0550-OPT119 / 30KAVP0720 / 30KAVPZE0550, 01.2024

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Постоянная ссылка:

<https://iclim.ru/library/carrier-30kav0720-opt119-30kavze0550-opt119-revit-opt119-shema.pdf>

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